

LAMPIRAN SOURCE CODE

Form Agen

```
unit u_agen;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,  
Dialogs, Menus, jpeg, ExtCtrls;
```

```
type
```

```
Tfrmmenu = class(TForm)
```

```
  mainmenu: TMainMenu;
```

```
  Data1: TMenuItem;
```

```
  Customer1: TMenuItem;
```

```
  Staff1: TMenuItem;
```

```
  Reservasi1: TMenuItem;
```

```
  ransaksi1: TMenuItem;
```

```
  PembayaranTunai1: TMenuItem;
```

```
  PembayaranKredit1: TMenuItem;
```

```
  Pelunasan1: TMenuItem;
```

```
  Other1: TMenuItem;
```

```
  LG: TMenuItem;
```

```
  iketPesawat1: TMenuItem;
```

```
  VoucherHotel1: TMenuItem;
```

```
  ourPackages1: TMenuItem;
```

```
  iketPesawat2: TMenuItem;
```

```
  VoucherHotel2: TMenuItem;
```

```
  ourPackages2: TMenuItem;
```

```
  Exit: TMenuItem;
```

```
  Image1: TImage;
```

```
  Image2: TImage;
```

```
  Image3: TImage;
```

```
  Image4: TImage;
```

```
  procedure Customer1Click(Sender: TObject);
```

```
  procedure VoucherHotel2Click(Sender: TObject);
```

```
  procedure ourPackages2Click(Sender: TObject);
```

```
  procedure ourPackages1Click(Sender: TObject);
```

```
  procedure VoucherHotel1Click(Sender: TObject);
```

```
  procedure iketPesawat1Click(Sender: TObject);
```

```
  procedure PembayaranTunai1Click(Sender: TObject);
```

```
  procedure PembayaranKredit1Click(Sender: TObject);
```

```
  procedure Pelunasan1Click(Sender: TObject);
```

```
  procedure iketPesawat2Click(Sender: TObject);
```

```
  procedure LGClick(Sender: TObject);
```

```
  procedure Staff1Click(Sender: TObject);
```

```
  procedure ExitClick(Sender: TObject);
```

```
private
```

```

{ Private declarations }
public
{ Public declarations }
end;

var
frmmenu: Tfrmmenu;

implementation
uses u_module, u_customer, u_voucher,u_tiket, u_tour, u_psnTour, u_PsnVoucher,
u_PsnTiket,u_tunai,u_kredit,u_pelunasan,u_letter,u_staff;

{$R *.dfm}

procedure Tfrmmenu.Customer1Click(Sender: TObject);
begin
frmcustomer.Show;
end;

procedure Tfrmmenu.VoucherHotel2Click(Sender: TObject);
begin
frmhotel.Show;
end;

procedure Tfrmmenu.ourPackages2Click(Sender: TObject);
begin
frmTour.show;
end;

procedure Tfrmmenu.ourPackages1Click(Sender: TObject);
begin
frmPsnTour.Show;
end;

procedure Tfrmmenu.VoucherHotel1Click(Sender: TObject);
begin
frmPsnVoucher.Show;
end;

procedure Tfrmmenu.iketPesawat1Click(Sender: TObject);
begin
frmPsnTiket.Show;
end;

procedure Tfrmmenu.PembayaranTunai1Click(Sender: TObject);
begin
frmtunai.Show;
end;

```

```
procedure Tfrmmenu.PembayaranKredit1Click(Sender: TObject);
begin
frmkredit.Show;
end;
```

```
procedure Tfrmmenu.Pelunasan1Click(Sender: TObject);
begin
frmpelunasan.Show;
end;
```

```
procedure Tfrmmenu.iketPesawat2Click(Sender: TObject);
begin
frmtiket.Show;
end;
```

```
procedure Tfrmmenu.LGClick(Sender: TObject);
begin
frmlg.Show;
end;
```

```
procedure Tfrmmenu.Staff1Click(Sender: TObject);
begin
frmstaff.Show;
end;
```

```
procedure Tfrmmenu.ExitClick(Sender: TObject);
begin
close;
end;
```

```
end.
procedure Tfrmmenu.iketPesawat2Click(Sender: TObject);
begin
frmtiket.Show;
end;
```

```
procedure Tfrmmenu.LGClick(Sender: TObject);
begin
frmlg.Show;
end;
```

```
procedure Tfrmmenu.Staff1Click(Sender: TObject);
begin
    frmstaff.Show;
end;
```

```
end.
```

Form Customer

unit u_customer;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, Grids, DBGrids, StdCtrls, ExtCtrls, DB, IBCustomDataSet, IBQuery,
RpRave, RpDefine, RpCon, RpConDS;

type

TfrmCustomer = class(TForm)
 GroupBox1: TGroupBox;
 Label1: TLabel;
 Label2: TLabel;
 Label3: TLabel;
 Label4: TLabel;
 Label5: TLabel;
 Label6: TLabel;
 Label7: TLabel;
 edKodecust: TEdit;
 edNamacust: TEdit;
 edUmur: TEdit;
 edAlamatcust: TEdit;
 edTelepon: TEdit;
 edemail: TEdit;
 GroupBox2: TGroupBox;
 btSimpan: TButton;
 btHapus: TButton;
 btCetak: TButton;
 GroupBox4: TGroupBox;
 btKeluar: TButton;
 DBGrid1: TDBGrid;
 edHp: TEdit;
 labelhp: TLabel;
 Label8: TLabel;
 rbCari: TRadioGroup;
 edCari: TEdit;
 QCustomer: TIBQuery;
 QCustomerKODECUST: TIBStringField;
 QCustomerNAMACUST: TIBStringField;
 QCustomerUMUR: TIBStringField;
 QCustomerJK: TIBStringField;
 QCustomerALAMAT: TIBStringField;
 QCustomerKOTA: TIBStringField;
 QCustomerTELEPON: TIBStringField;
 QCustomerHP: TIBStringField;
 QCustomerEMAIL: TIBStringField;
 cmbJk: TComboBox;
 cmbKota: TComboBox;

```

RvDataSetConnection1: TRvDataSetConnection;
RvProject1: TRvProject;
procedure btSimpanClick(Sender: TObject);
procedure btHapusClick(Sender: TObject);
procedure edCariChange(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure btCetakClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
end;

var
frmCustomer: TfrmCustomer;

implementation

uses u_module;
{$R *.dfm}

procedure TfrmCustomer.btSimpanClick(Sender: TObject);
begin
//proses menyimpan data
With dm.Qdata Do
Begin
Close;
Sql.Clear;
Sql.Add('Insert
Customer(kodecust,namacust,umur,jk,alamat,kota,telepon,hp,email)+'
'Values(:kc,:nc,:ur,:jk,:al,:kt,:tl,:hp,:em)');
Prepare;
ParambyName('kc').AsString:=edKodecust.Text;
ParambyName('nc').AsString:=edNamacust.Text;
ParambyName('ur').AsString:=edUmur.Text;
ParambyName('jk').AsString:=cmbJk.Text;
ParambyName('al').AsString:=edAlamatcust.Text;
ParambyName('kt').AsString:=cmbkota.Text;
ParambyName('tl').AsString:=edTelepon.Text;
ParambyName('hp').AsString:=edHp.Text;
ParambyName('em').AsString:=edEmail.Text;
ExecSql;
End;

dm.trAgen.Commit;

edKodecust.Clear;
edNamacust.Clear;
edUmur.Clear;

```

Into

```

edAlamatcust.Clear;
edTelepon.Clear;
edHp.Clear;
edEmail.Clear;
edKodecust.SetFocus;
messagedlg('Data Customer telah disimpan',mtInformation,[mbOk],0);

With dm.Qproses do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodecust,namacust,umur,alamat,kota,telepon,hp,email From Customer');
Open;
End;

end;

procedure TfrmCustomer.btHapusClick(Sender: TObject);
begin
//proses menghapus data
if messagedlg('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
begin
With dm.Qproses do
Begin
Close;
Sql.Clear;
Sql.Add('Delete from Customer');
Sql.Add('Where kodecust=:kc');
Prepare;
ParamByName('kc').AsString:=edKodecust.Text;
ExecSql;
End;

dm.trAgen.Commit;
end;

With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Select      kodecust,namacust,umur,jk,alamat,kota,telepon,hp,email      From
customer');
Open;
End;

end;

```

```

procedure TfrmCustomer.edCariChange(Sender: TObject);
begin
//proses pencarian data
With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Select*From Customer');

//pencarian berdasarkan item yang dipilih
if rbCari.ItemIndex=0 Then
Begin
Sql.Add('Where Kodecust Like :kc');
Prepare;
ParamByName('kc').AsString:='%'+edCari.Text+'%';
End
Else

if rbCari.ItemIndex=1 Then
Begin
Sql.Add('Where Namacust Like :nc');
Prepare;
ParamByName('nc').AsString:='%'+edCari.Text+'%';
End
Else

if rbCari.ItemIndex=2 Then
Begin
Sql.Add('Where Alamat Like :al');
Prepare;
ParamByName('al').AsString:='%'+edCari.Text+'%';
End
Else

if rbCari.ItemIndex=3 Then
Begin
Sql.Add('Where Kota Like :kt');
Prepare;
ParamByName('kt').AsString:='%'+edCari.Text+'%';
End
Else

```

```

if rbCari.ItemIndex=4 Then
Begin
Sql.Add('Where hp Like :hp');
Prepare;
ParamByName('hp').AsString:='%'+edCari.Text+'%';
End;
Open;
End;

end;

procedure TfrmCustomer.btKeluarClick(Sender: TObject);
begin
close;
end;

procedure TfrmCustomer.FormActivate(Sender: TObject);
begin
with dm.Qproses do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodecust,namacust,alamat,kota,hp,email From Customer');
Open;
End;
end;

procedure TfrmCustomer.btCetakClick(Sender: TObject);
begin
With Qcustomer do
Begin
Close;
Open;
end;
rvproject1.Execute;

end;

end.

```


Form Supplier

unit u_staff;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, Grids, DBGrids, StdCtrls, ExtCtrls, DB, IBCustomDataSet, IBQuery,
RpCon, RpConDS, RpDefine, RpRave;

type

```
Tfrmstaff = class(TForm)
GroupBox1: TGroupBox;
Label1: TLabel;
Label2: TLabel;
Label3: TLabel;
edNamastaff: TEdit;
edAlamatstaff: TEdit;
edTlpstaff: TEdit;
Label4: TLabel;
edKodestaff: TEdit;
GroupBox2: TGroupBox;
btSimpan: TButton;
btHapus: TButton;
GroupBox4: TGroupBox;
DBGrid1: TDBGrid;
btCetak: TButton;
btKeluar: TButton;
rbCari: TRadioGroup;
Label7: TLabel;
edHp: TEdit;
edCari: TEdit;
Qstaff: TIBQuery;
RvProject1: TRvProject;
RvDataSetConnection2: TRvDataSetConnection;
QstaffKODESTAFF: TIBStringField;
QstaffNAMASTAFF: TIBStringField;
QstaffALAMAT: TIBStringField;
QstaffTELEPON: TIBStringField;
QstaffHP: TIBStringField;
procedure btSimpanClick(Sender: TObject);
procedure btHapusClick(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure edCariChange(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure btCetakClick(Sender: TObject);
private
{ Private declarations }
public
{ Public declarations }
```

```

end;

var
frmstaff: Tfrmstaff;

implementation

uses u_module;

{$R *.dfm}

procedure Tfrmstaff.btSimpanClick(Sender: TObject);
begin
//proses menyimpan data
With dm.Qdata Do
Begin
Close;
Sql.Clear;
Sql.Add('Insert Into Staff(kodestaff,namastaff,alamat,telepon,hp)'+
'Values(:ks,:ns,:al,:tl,:hp)');
Prepare;
ParamByName('ks').AsString:=edKodestaff.Text;
ParamByName('ns').AsString:=edNamastaff.Text;
ParamByName('al').AsString:=edAlamatstaff.Text;
ParamByName('tl').AsString:=edTlpstaff.Text;
ParamByName('hp').AsString:=edHp.Text;
ExecSql;
End;

dm.trAgen.Commit;

edKodestaff.Clear;
edNamastaff.Clear;
edAlamatstaff.Clear;
edTlpstaff.Clear;
edHp.Clear;
edKodestaff.SetFocus;
messagedlg('Data Staff telah disimpan',mtInformation,[mbOk],0);

With dm.Qproses do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodestaff,namastaff,alamat,telepon,hp from staff');
Open;
End;
end;

```

```

procedure Tfrmstaff.btHapusClick(Sender: TObject);
begin
//proses menghapus data
If messagedlg ('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
begin
With dm.Qproses do
Begin
Close;
Sql.Clear;
Sql.Add('Delete from Staff');
Sql.Add('Where kodestaff=:ks');
Prepare;
ParamByName('ks').AsString:=edKodestaff.Text;
ExecSql;
End;

dm.trAgen.Commit;
end;

With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodestaff,namastaff,alamat,telepon,hp from staff');
Open;
End;
end;

procedure Tfrmstaff.btKeluarClick(Sender: TObject);
begin
Close;
end;

procedure Tfrmstaff.edCariChange(Sender: TObject);
begin
//proses pencarian data
With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Select*From Staff');

```

```

//pencarian berdasarkan item yang dipilih
if rbCari.ItemIndex=0 Then
Begin
Sql.Add('Where Kodestaff Like :ks');
Prepare;
ParamByName('ks').AsString:='%'+edCari.Text+'%';
End
Else

if rbCari.ItemIndex=1 Then
Begin
Sql.Add('Where Namastaff Like :ns');
Prepare;
ParamByName('ns').AsString:='%'+edCari.Text+'%';
End
Else

if rbCari.ItemIndex=2 Then
Begin
Sql.Add('Where Alamat Like :al');
Prepare;
ParamByName('al').AsString:='%'+edCari.Text+'%';
End;
Open;
End;
end;

procedure Tfrmstaff.FormActivate(Sender: TObject);
begin
With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodestaff,namastaff,alamat,telepon,hp from staff');
Open;
End;
end;

procedure Tfrmstaff.btCetakClick(Sender: TObject);
begin
With Qstaff do
Begin
Close;
Open;
end;
rvproject1.Execute;

end;

```

end.

Form Tiket Pesawat

unit u_tiket;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, Grids, DBGrids, ExtCtrls, StdCtrls, DB, IBCustomDataSet, IBQuery,
RpCon, RpConDS, RpDefine, RpRave, ComCtrls;

type

```
Tfrmtiket = class(TForm)
  GroupBox1: TGroupBox;
  GroupBox2: TGroupBox;
  edKodeairline: TEdit;
  edAirline: TEdit;
  Label1: TLabel;
  Label2: TLabel;
  btSimpan: TButton;
  btHapus: TButton;
  rbCari: TRadioGroup;
  edcari: TEdit;
  Label5: TLabel;
  Label6: TLabel;
  Label7: TLabel;
  Label8: TLabel;
  edKodeAir: TEdit;
  edKodetiket: TEdit;
  edKodePswt: TEdit;
  Label10: TLabel;
  Label11: TLabel;
  edDeparture: TEdit;
  edArrival: TEdit;
  edKelas: TEdit;
  Label12: TLabel;
  edHrgjual: TEdit;
  Label13: TLabel;
  rbCari1: TRadioGroup;
  edCari1: TEdit;
  btSimpan1: TButton;
  btHapus1: TButton;
  DBGrid1: TDBGrid;
  GroupBox3: TGroupBox;
  btKeluar: TButton;
  Label4: TLabel;
  Label3: TLabel;
  edStok: TEdit;
  btCetak: TButton;
```

```

QTiket: TIBQuery;
Rvtiket: TRvDataSetConnection;
RvProject1: TRvProject;
QTiketKODEAIRLINE: TIBStringField;
QTiketKODETIKET: TIBStringField;
QTiketKODEPESAWAT: TIBStringField;
QTiketAIRLINE: TIBStringField;
QTiketSOURCEAIR: TIBStringField;
QTiketDESTINATIONAIR: TIBStringField;
QTiketDEPARTURE: TIBStringField;
QTiketARRIVAL: TIBStringField;
QTiketKELAS: TIBStringField;
QTiketHARGAJUAL: TIBBCDField;
cbsourceair: TComboBox;
cbdestair: TComboBox;
edtanggal: TEdit;
procedure btSimpanClick(Sender: TObject);
procedure btSimpan1Click(Sender: TObject);
procedure btHapusClick(Sender: TObject);
procedure btHapus1Click(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure edcariChange(Sender: TObject);
procedure edCari1Change(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure btCetakClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  frm tiket: Tfrm tiket;

implementation
uses u_module;

{$R *.dfm}

procedure Tfrm tiket.btSimpanClick(Sender: TObject);
begin
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Insert Into Airline(Kodeairline,Airline)'+ 'Values(:ka,:al)');
    Prepare;
    ParamByName('ka').AsString:=edkodeairline.Text;
    ParamByName('al').AsString:=edairline.Text;
    ExecSql;
  End;
end;

```

```

End;

dm.trAgen.Commit;
messagedlg('Data Airline telah disimpan',mtInformation,[mbOk],0);

end;

procedure TfrmTiket.btSimpan1Click(Sender: TObject);
begin
  With dm.Qdata Do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('Insert
Airlinedetail(Kodeairline,kodetiket,kodepesawat,airline,tanggal,sourceair,destinationair,d
eparture,arrival,kelas,hargajual)
+ 'Values(:ka,:kt,:kp,:al,:tg,:sa,:da,:dp,:ar,:kl,:hj)');
      Prepare;
      ParamByName('ka').AsString:=edkodeairline.Text;
      ParamByName('kt').AsString:=edkodetiket.Text;
      ParamByName('kp').AsString:=edkodepswt.Text;
      ParamByName('al').AsString:=edairline.Text;
      ParamByName('tg').AsString:=edtanggal.text;
      ParamByName('sa').AsString:=cbsourceair.Text;
      ParamByName('da').AsString:=cbdestair.Text;
      ParamByName('dp').AsString:=eddeparture.Text;
      ParamByName('ar').AsString:=edarrival.Text;
      ParamByName('kl').AsString:=edkelas.Text;
      ParamByName('hj').AsFloat:=strtofloat(edhrjual.Text);
      //ParamByName('jt').AsFloat:=strtofloat(edstok.Text);
      ExecSql;
    End;

dm.trAgen.Commit;

edkodetiket.Clear;
edkodepswt.Clear;
edtanggal.Clear;
eddeparture.Clear;
edarrival.Clear;
edkelas.Clear;
edhrjual.Text:='0';
messagedlg('Data Tiket Pesawat telah disimpan',mtInformation,[mbOk],0);

With dm.Qproses Do
  Begin
    Close;
    Sql.Clear;

```

```

    Sql.Add('Select
kodeairline,kodepesawat,kodetiket,airline,tanggal,sourceair,destinationair,departure,arrival,kelas,hargajual from Airlinedetail');
    Open;
    End;

```

```
end;
```

```

procedure TfrmTiket.btHapusClick(Sender: TObject);
begin
if messagedlg('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
begin
With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Delete From Airline');
Sql.Add('Where Kodeairline=:ka');
Prepare;
ParamByName('ka').AsString:=edkodeairline.Text;
ExecSql;
End;

```

```

dm.trAgen.Commit;
end;

```

```
end;
```

```

procedure TfrmTiket.btHapus1Click(Sender: TObject);
begin
if messagedlg('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
begin
With dm.Qproses Do
Begin
Close;
Sql.Clear;
Sql.Add('Delete From Airlinedetail');
Sql.Add('Where Kodetiket=:kt');
Prepare;
ParamByName('kt').AsString:=edkodetiket.Text;
ExecSql;
End;

```

```

dm.trAgen.Commit;
end;

```

```

With dm.Qproses Do
Begin
Close;

```



```

    Sql.Clear;
    Sql.Add('Select
Kodeairline,kodetiket,kodepesawat,airline,tanggal,sourceair,destinationair,departure,arrival,kelas,hargajual from Airlinedetail');
    Open;
    End;
end;

```

```

procedure TfrmTiket.FormActivate(Sender: TObject);
begin
    With dm.Qproses Do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select
kodeairline,kodepesawat,kodetiket,airline,tanggal,sourceair,destinationair,departure,arrival,kelas,hargajual from Airlinedetail');
            Open;
            End;
        end;
end;

```

```

procedure TfrmTiket.edcariChange(Sender: TObject);
begin
    With dm.Qproses Do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select*From Airline');

            //Pencarian berdasarkan kode airline
            if rbCari.ItemIndex=0 Then
                Begin
                    Sql.Add('Where kodeairline like:ka');
                    Prepare;
                    ParamByName('ka').AsString:='%'+edCari.Text+'%';
                End
            Else
                //Pencarian berdasarkan nama airline
                if rbCari.ItemIndex=1 Then
                    Begin
                        Sql.Add('Where airline like:al');
                        Prepare;
                        ParamByName('al').AsString:='%'+edCari.Text+'%';
                    End;
                Open;
            End;
        end;
end;

```

```

procedure TfrmTiket.edCari1Change(Sender: TObject);
begin
  With dm.Qproses Do
  Begin
  Close;
  Sql.Clear;
  Sql.Add('Select*From Airlinedetail');

  //Pencarian berdasarkan tanggal
  if rbCari1.ItemIndex=0 Then
  Begin
  Sql.Add('Where tanggal like:tg');
  Prepare;
  ParamByName('tg').AsString:='%'+edCari1.Text+'%';
  End
  Else

  //Pencarian berdasarkan source airline
  if rbCari1.ItemIndex=1 Then
  Begin
  Sql.Add('Where sourceair like:sa');
  Prepare;
  ParamByName('sa').AsString:='%'+edCari1.Text+'%';
  End
  Else

  //Pencarian berdasarkan destination airline
  if rbCari1.ItemIndex=2 Then
  Begin
  Sql.Add('Where destinationair like:da');
  Prepare;
  ParamByName('da').AsString:='%'+edCari1.Text+'%';
  End
  Else

  if rbCari1.ItemIndex=3 Then
  Begin
  Sql.Add('Where departure like:dp');
  Prepare;
  ParamByName('dp').AsString:='%'+edCari1.Text+'%';
  End
  Else

  if rbCari1.ItemIndex=4 Then
  Begin
  Sql.Add('Where arrival like:ar');
  Prepare;
  ParamByName('ar').AsString:='%'+edCari1.Text+'%';
  End
  Else

```

```

if rbCari1.ItemIndex=5 Then
  Begin
    Sql.Add('Where kelas like:kl');
    Prepare;
    ParamByName('kl').AsString:='%'+edCari1.Text+'%';
    End;
    Open;
    End;

end;

procedure TfrmTiket.btKeluarClick(Sender: TObject);
begin
  Close;
end;

procedure TfrmTiket.btCetakClick(Sender: TObject);
begin
  With Qtiket do
    Begin
    Close;
    End;
  rvproject1.Execute;
end;

end.

```

Form Voucher Hotel

```
unit u_voucher;
```

```
interface
```

```
uses
```

```
Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, Grids, DBGrids, ExtCtrls, DB, IBCustomDataSet, IBQuery,
RpRave, RpDefine, RpCon, RpConDS;
```

```
type
```

```
Tfrmhotel = class(TForm)
  GroupBox1: TGroupBox;
  DBGrid1: TDBGrid;
  GroupBox4: TGroupBox;
  Label1: TLabel;
  Label2: TLabel;
  Label3: TLabel;
  Label4: TLabel;
  edKodehotel: TEdit;
  edNamahotel: TEdit;
  edAlamahotel: TEdit;
end;

```

```

edKota: TEdit;
btKeluar: TButton;
rbCari: TRadioGroup;
edCari: TEdit;
edTelepon: TEdit;
Label8: TLabel;
edBintang: TEdit;
Label9: TLabel;
GroupBox3: TGroupBox;
Label5: TLabel;
Label6: TLabel;
Label7: TLabel;
edJmlkamar: TEdit;
edTipe: TEdit;
edHrgjual: TEdit;
btSimpan1: TButton;
btHapus1: TButton;
btSimpan: TButton;
btHapus: TButton;
rbCari1: TRadioGroup;
edCari1: TEdit;
btCetak: TButton;
QHotel: TIBQuery;
RvHotel: TRvDataSetConnection;
RvProject1: TRvProject;
procedure btSimpanClick(Sender: TObject);
procedure btSimpan1Click(Sender: TObject);
procedure btHapusClick(Sender: TObject);
procedure btHapus1Click(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure edCariChange(Sender: TObject);
procedure edCari1Change(Sender: TObject);
procedure btCetakClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmhotel: Tfrmhotel;

implementation
uses u_module;

{$R *.dfm}

procedure Tfrmhotel.btSimpanClick(Sender: TObject);
begin

```

```

//proses penyimpanan data hotel
With dm.Qdata do
Begin
    Close;
    Sql.Clear;
    Sql.Add('Insert
Hotel(kodehotel,namahotel,alamat,kota,telepon,bintang)+'Values(:kh,:nh,:al,:kt,:tl,:bn)');
    Prepare;
    ParamByName('kh').AsString:=edkodehotel.Text;
    ParamByName('nh').AsString:=ednamahotel.Text;
    ParamByName('al').AsString:=edalamahotel.Text;
    ParamByName('kt').AsString:=edkota.Text;
    ParamByName('tl').AsString:=edtelepon.Text;
    ParamByName('bn').AsString:=edbintang.Text;
    ExecSql;
End;

dm.trAgen.Commit;

edalamahotel.Clear;
edkota.Clear;
edtelepon.Clear;
edbintang.Clear;
messagedlg('Data Hotel telah disimpan',mtInformation,[mbOk],0);
end;

procedure Tfrmhotel.btSimpan1Click(Sender: TObject);
begin
    //proses penyimpanan data hotel
    With dm.Qdata do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Insert
Hoteldetail(kodehotel,namahotel,tipe,jumlahkamar,hargajual)+'Values(:kh,:nh,:tp,:jk,:hj)');
        Prepare;
        ParamByName('kh').AsString:=edkodehotel.Text;
        ParamByName('nh').AsString:=ednamahotel.Text;
        ParamByName('tp').AsString:=ed tipe.Text;
        ParamByName('jk').AsFloat:=StrToFloat(edjmlkamar.Text);
        ParamByName('hj').AsFloat:=StrToFloat(edhrjgual.Text);
        ExecSql;
    End;

    dm.trAgen.Commit;

    edjmlkamar.Text:='0';
    ed tipe.Clear;
    edhrjgual.Text:='0';

```

```

messagedlg('Data Kamar telah disimpan',mtInformation,[mbOk],0);

With dm.Qproses do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Kodehotel,namahotel,tipe,jumlahkamar,hargajual from hoteldetail');
  Open;
End;

end;

procedure Tfrmhotel.btHapusClick(Sender: TObject);
begin
  //prose menghapus data pada tabel hotel
  if messagedlg('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
  begin
    With dm.Qproses do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('Delete From Hotel');
      Sql.Add('Where Kodehotel=:kh');
      Prepare;
      ParamByName('kh').AsString:=edKodehotel.Text;
      ExecSql;
    End;

    dm.trAgen.Commit;
  end;
end;

procedure Tfrmhotel.btHapus1Click(Sender: TObject);
begin
if messagedlg('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
  begin
    With dm.Qproses do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('Delete From Hoteldetail');
      Sql.Add('Where kodehotel =:kh');
      Prepare;
      //ParamByName('tp').AsString:=edtipe.Text;
      ParamByName('kh').AsString:=edkodehotel.Text;
      ExecSql;
    End;
  end;
end;

```

```

    dm.trAgen.Commit;
End;

With dm.Qproses Do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Select kodehotel,namahotel,tipe,jumlahkamar,hargajual from hoteldetail');
        Open;
    End;
end;

procedure Tfrmhotel.btKeluarClick(Sender: TObject);
begin
    close;
end;

procedure Tfrmhotel.FormActivate(Sender: TObject);
begin
    With dm.Qproses do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select kodehotel,namahotel,tipe,jumlahkamar,hargajual from hoteldetail');
            Open;
        End;
end;

procedure Tfrmhotel.edCariChange(Sender: TObject);
begin
    With dm.Qproses Do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select*From Hotel');

            //Pencarian berdasarkan nama hotel
            if rbCari.ItemIndex=0 Then
                Begin
                    Sql.Add('Where namahotel like:nh');
                    Prepare;
                    ParamByName('nh').AsString:='%'+edCari.Text+'%';
                End
            Else

            //Pencarian berdasarkan kota
            if rbCari.ItemIndex=1 Then
                Begin
                    Sql.Add('Where kota like:kt');

```

```

    Prepare;
    ParamByName('kt').AsString:='%'+edCari.Text+'%';
End;
Open;

//Pencarian berdasarkan bintang
if rbCari.ItemIndex=2 Then
Begin
    Sql.Add('Where bintang like:bn');
    Prepare;
    ParamByName('bn').AsString:='%'+edCari.Text+'%';
End;
Open;
End;

end;

procedure Tfrmhotel.edCari1Change(Sender: TObject);
begin
    With dm.Qproses Do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select*From Hoteldetail');

            //Pencarian berdasarkan tipe
            if rbCari1.ItemIndex=0 Then
                Begin
                    Sql.Add('Where tipe like:tp');
                    Prepare;
                    ParamByName('tp').AsString:='%'+edCari1.Text+'%';
                End;
                Open;
            End;
        End;

end;

procedure Tfrmhotel.btCetakClick(Sender: TObject);
begin
    With Qhotel do
        Begin
            Close;
            Open;
        end;
        rvproject1.Execute;
    end;

end.

```


Form Tour

unit u_tour;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, DB, IBCustomDataSet, IBQuery, ExtCtrls, StdCtrls, Grids, DBGrids,
RpRave, RpDefine, RpCon, RpConDS, ComCtrls;

type

```
TfrmTour = class(TForm)
  GroupBox1: TGroupBox;
  edcari: TEdit;
  edkodetour: TEdit;
  ednama: TEdit;
  edkapasitas: TEdit;
  edharga: TEdit;
  btSimpan: TButton;
  btHapus: TButton;
  DBGrid1: TDBGrid;
  btKeluar: TButton;
  Label1: TLabel;
  Label2: TLabel;
  Label3: TLabel;
  Label4: TLabel;
  Label5: TLabel;
  rbCari: TRadioGroup;
  QTour: TIBQuery;
  QTourKODETOUR: TIBStringField;
  QTourNAMATOUR: TIBStringField;
  QTourKAPASITAS: TIntegerField;
  QTourHARGAJUAL: TIBBCDField;
  QTourTANGGAL: TDateTimeField;
  RvTour: TRvDataSetConnection;
  RvProject1: TRvProject;
  btCetak: TButton;
  edtanggal1: TDateTimePicker;
  procedure btSimpanClick(Sender: TObject);
  procedure btHapusClick(Sender: TObject);
  procedure btKeluarClick(Sender: TObject);
  procedure FormActivate(Sender: TObject);
  procedure btCetakClick(Sender: TObject);
  procedure edcariChange(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;
```

```

var
    frmTour: TfrmTour;

implementation
uses u_module;

{$R *.dfm}

procedure TfrmTour.btSimpanClick(Sender: TObject);
begin
    with dm.Qdata do
        begin
            close;
            sql.Clear;
            sql.Add('Insert Into Tour(kodetour,namatour,kapasitas,hargajual,tanggal)'+
                'values(:kt,:nt,:ks,:hj,:tg)');
            Prepare;
            ParamByName('kt').AsString:=edkodetour.Text;
            ParamByName('nt').AsString:=ednama.Text;
            ParamByName('ks').AsString:=edkapasitas.Text;
            ParamByName('hj').AsFloat:=strtofloat(edharga.Text);
            ParamByName('tg').AsDate:=edtanggal1.Date;
            ExecSql;
            messagedlg('Data Tour telah disimpan',mtInformation,[mbOk],0);
        End;

        dm.trAgen.Commit;
        edkodetour.Clear;
        ednama.Clear;
        edkapasitas.Clear;
        edharga.Clear;
        edkodetour.SetFocus;

        With dm.Qproses do
            Begin
                Close;
                Sql.Clear;
                Sql.Add('Select kodetour,namatour,kapasitas,hargajual,tanggal from Tour');
                Open;
            End;
        end;

procedure TfrmTour.btHapusClick(Sender: TObject);
begin
if messagedlg('Ingin menghapus data ini?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
    begin
        With dm.Qproses do
            Begin
                Close;
            End;
    end;
end;

```

```

    Sql.Clear;
    Sql.Add('Delete from Tour');
    Sql.Add('Where Kodetour =:kt');
    Prepare;
    ParambyName('kt').AsString:=edkodetour.Text;
    Execsql;
End;

dm.trAgen.Commit;
End;

With dm.Qproses do
Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodetour,namatour,kapasitas,hargajual,tanggal from Tour');
    Open;
End;
end;

procedure TfrmTour.btKeluarClick(Sender: TObject);
begin
    close;
end;

procedure TfrmTour.FormActivate(Sender: TObject);
begin
    with dm.Qproses do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select kodetour,namatour,kapasitas,hargajual,tanggal from Tour');
            Open;
        End;
end;

procedure TfrmTour.btCetakClick(Sender: TObject);
begin
    With QTour do
        Begin
            Close;
            Open;
        end;
    rvproject1.Execute;
end;

procedure TfrmTour.edcariChange(Sender: TObject);
begin
    With dm.Qproses Do

```

```

Begin
Close;
Sql.Clear;
Sql.Add('Select*From Tour');

//Pencarian berdasarkan tipe
if rbCari.ItemIndex=0 Then
Begin
  Sql.Add('Where namatour like:nt');
  Prepare;
  ParamByName('nt').AsString:='%'+edCari.Text+'%';
End
Else
if rbCari.ItemIndex=1 Then
Begin
  Sql.Add('Where tanggal like:tg');
  Prepare;
  ParamByName('tg').AsString:='%'+edCari.Text+'%';
End;
Open;
End;
end;

end.

```

Form Pesan Tiket

unit u_psntiket;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, Grids, DBGrids, DB, IBCustomDataSet, IBQuery, RpRave,
RpDefine, RpCon, RpConDS;

type

```
TfrmPsnTiket = class(TForm)
  GroupBox1: TGroupBox;
  GroupBox2: TGroupBox;
  GroupBox3: TGroupBox;
  GroupBox4: TGroupBox;
  btsimpan: TButton;
  btCetak: TButton;
  btNew: TButton;
  Label1: TLabel;
  edtgl: TEdit;
  Label2: TLabel;
  edkodepesan: TEdit;
  Label3: TLabel;
  Label4: TLabel;
  Label5: TLabel;
  cmbNamacust: TComboBox;
  edkodecust: TEdit;
  edAlamatcust: TEdit;
  Label6: TLabel;
  Label7: TLabel;
  cmbAirline: TComboBox;
  Label8: TLabel;
  Label9: TLabel;
  Label11: TLabel;
  Label12: TLabel;
  Harga: TLabel;
  edHrgjual: TEdit;
  cmbFrom: TComboBox;
  Label14: TLabel;
  cmbTo: TComboBox;
  Label15: TLabel;
  cmbTanggal: TComboBox;
  cmbDept: TComboBox;
  cmbArr: TComboBox;
  edKodepswt: TEdit;
  edKodetiket: TEdit;
  btKeluaar: TButton;
  edJumlahtotal: TEdit;
  Label10: TLabel;
```

```

dbgPsnTiket: TDBGrid;
btBayar: TButton;
edjenispesan: TEdit;
QTiket: TIBQuery;
QTiketdetail: TIBQuery;
RvTiket: TRvDataSetConnection;
RvTiketdetail: TRvDataSetConnection;
Label13: TLabel;
cmbkelas: TComboBox;
RvProject1: TRvProject;
procedure cmbNamacustChange(Sender: TObject);
procedure FormShow(Sender: TObject);
procedure cmbAirlineChange(Sender: TObject);
procedure btKeluaarClick(Sender: TObject);
procedure Jumlahtotal;
procedure Tampilkansemua;
procedure Tampilkanitem;
procedure btsimpanClick(Sender: TObject);
procedure btNewClick(Sender: TObject);
procedure btBayarClick(Sender: TObject);
procedure TotalBayar;
procedure btCetakClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure dbgPsnTiketDbClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmPsnTiket: TfrmPsnTiket;

implementation
uses u_module, u_tunai, u_kredit;

{$R *.dfm}

procedure TfrmPsnTiket.cmbNamacustChange(Sender: TObject);
begin
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Kodecust,Alamat From Customer');
    Sql.Add('Where namacust=:nc');
    Prepare;
    ParamByName('nc').AsString:=cmbNamacust.Text;
    Open;
    edkodecust.Text:=Trim(Fields[0].AsString);
  End;
end;

```

```

    edalamatcust.Text:=Trim(Fields[1].AsString);
end;

if cmbnamacust.Text <> '' Then
Begin
    With dm.Qproses do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('update tiket set kodecust=:kc');
        Sql.Add('Where kodepesan=:kp');
        Prepare;
        ParamByName('kp').AsString:=Trim(edkodepesan.Text);
        ParamByName('kc').AsString:=Trim(edkodecust.Text);
        Execsql;
    End;
    dm.trAgen.Commit;
End
Else
    Begin
        ShowMessage('Identitas Customer harus di Isi');
        cmbnamacust.SetFocus;
    end;

//menampilkan seluruh tampilan
    TampilkanSemua;
end;

procedure TfrmPsnTiket.FormShow(Sender: TObject);
begin
    //menampilkan kode pesan di edkodepesan
    with dm.Qdata do
    begin
        close;
        sql.Clear;
        sql.Add('select kodepesan from tiket');
        open;
        //pengecekan kode pesan baru
        if fields[0].IsNull then
        begin
            edkodepesan.Text:='00001';
        end else
        //melihat kode pesan terakhir
        begin
            with dm.Qdata do
            begin
                close;
                sql.Clear;
                sql.Add('select max(kodepesan)from tiket');
                open;

```

```

    edkodepesan.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
  end;
end;
end;

//tampilkan tanggal di edtgl
edtgl.Text:=DateToStr(Date);

//mengambil namacust ke cmbkodecust
cmbnamacust.Clear;
With dm.Qproses Do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Distinct namacust from Customer');
  Sql.Add('Order by namacust');
  Open;
  while not Eof do
  begin
    cmbnamacust.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;
//mengambil nama airline ke cmb airline
cmbairline.Clear;
with dm.Qproses Do
Begin
  Close;
  Sql.Clear;
  sql.Add('Select Distinct Airline from Airlinedetail');
  Sql.Add('Order by Airline');
  Open;
  while not Eof do
  begin
    cmbairline.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

//mengambil tanggal ke cmbtanggal
cmbtanggal.Clear;
with dm.Qproses Do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Distinct Tanggal from Airlinedetail');
  Sql.Add('Order by Tanggal');
  Open;
  while not Eof do
  begin

```



```

    cmbtanggal.Items.Add(Trim(Fields[0].AsString));
    Next;
end;
end;

//mengambil source air ke cmbfrom
cmbFrom.Clear;
with dm.Qproses do
Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Distinct Sourceair from Airlinedetail');
    Sql.Add('Order by Sourceair');
    Open;
    while not Eof do
    begin
        cmbfrom.Items.Add(Trim(Fields[0].AsString));
        Next;
    end;
end;

//mengambil destinationair air ke cmbto
cmbTo.Clear;
with dm.Qproses do
Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Distinct Destinationair from Airlinedetail');
    Sql.Add('Order by Destinationair');
    Open;
    while not Eof do
    begin
        cmbto.Items.Add(Trim(Fields[0].AsString));
        Next;
    end;
end;
end;

```

```

//mengambil departure ke cmbdepart
cmbdept.Clear;
with dm.Qproses do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Distinct Departure from Airlinedetail');
  Sql.Add('Order by Departure');
  Open;
  while not Eof do
  begin
    cmbdept.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

//mengambil arrival ke cmbarr
cmbarr.Clear;
with dm.Qproses do
begin
  Close;
  sql.Clear;
  sql.Add('Select Distinct Arrival from Airlinedetail');
  sql.Add('Order by Arrival');
  Open;
  while not Eof do
  begin
    cmbarr.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

//mengambil kelas ke cmbkelas
cmbkelas.Clear;
with dm.Qproses do
begin
  Close;
  sql.Clear;
  sql.Add('Select Distinct Kelas from Airlinedetail');
  sql.Add('Order by Kelas');
  Open;
  while not Eof do
  begin
    cmbkelas.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
End;
end;

```

```

procedure TfrmPsnTiket.cmbAirlineChange(Sender: TObject);
begin
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodetiket,kodepesawat,hargajual from Airlinedetail');
    sql.Add('Where airline=:al and tanggal like:tg and sourceair like:sa and destinationair
like:da and departure like:dp and arrival like:ar and kelas like:kl');
    Prepare;
    ParamByName('al').AsString:=Trim(cmbairline.Text);
    ParamByName('tg').AsString:=Trim('%'+cmbtanggal.Text+'%');
    ParamByName('sa').AsString:=Trim('%'+cmbfrom.Text+'%');
    ParamByName('da').AsString:=Trim('%'+cmbto.Text+'%');
    ParamByName('dp').AsString:=Trim('%'+cmbdept.Text+'%');
    ParamByName('ar').AsString:=Trim('%'+cmbarr.Text+'%');
    ParamByName('kl').AsString:=Trim('%'+cmbkelas.Text+'%');
    Open;
    edkodetiket.Text:=Trim(Fields[0].Value);
    edkodepswt.Text:=Trim(Fields[1].Value);
    edhrjual.Text:=(FloatToStr(Fields[2].Value));
    //edjmltiket.text:=Trim('1');
  end;
end;

```

```

procedure TfrmPsnTiket.btKeluarClick(Sender: TObject);
begin
  Close;
end;

```

```

procedure TfrmPsnTiket.Jumlahtotal;
Begin
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Sum(hrgtiket)As TotalBayar From Tiketdetail');
    Sql.Add('Where Tiketdetail.kodepesan=:kp');
    Prepare;
    ParamByName('kp').AsString:=Trim(edkodepesan.Text);
    Open;
    edjumlahtotal.Text:=FloatToStr(Fields[0].AsFloat);
  end;
end;

```

```

Procedure TfrmPsnTiket.Tampilkanitem;
Begin
  //menampilkan seluruh data
  With dm.Qproses do

```

```

Begin
  close;
  sql.Clear;
  sql.Add('select tiketdetail.kodetiket,airlinedetail.airline,airlinedetail.sourceair, '+
    'airlinedetail.destinationair,airlinedetail.departure,airlinedetail.arrival, '+
    'airlinedetail.kelas,tiketdetail.hrgtiket,(tiketdetail.hrgtiket) as Jumlah from
Tiketdetail');
  Sql.Add('inner join airtlinedetail on airtlinedetail.kodetiket=tiketdetail.kodetiket');
  Sql.Add('Where tiketdetail.kodepesan=:kp');
  Prepare;
  ParamByName('kp').AsString:=trim(edkodepesan.Text);
  Open;
end;
end;

```

```

Procedure TfrmPsnTiket.Tampilkansemua;

```

```

Begin
  Tampilkanitem;
  JumlahTotal;
end;

```

```

procedure TfrmPsnTiket.btsimpanClick(Sender: TObject);
//var jumlahtiket:Double;
begin
  With dm.Qdata do
    Begin
    Close;
    Sql.Clear;
    Sql.Add('Insert Into Tiketdetail(kodepesan,kodetiket,hrgtiket)'+
      'values(:kp,:kt,:ht)');
    Prepare;
    ParamByName('kp').AsString:=Trim(edkodepesan.Text);
    ParamByName('kt').AsString:=Trim(edkodetiket.Text);
    ParamByName('ht').AsFloat:=StrToFloat(edhrkjual.Text);
    Execsql;
    End;

```

```

dm.trAgen.Commit;
edkodepswt.Clear;
edhrkjual.Text:=Trim("");
cmbtanggal.Text:=Trim("");
cmbfrom.Text:=Trim("");
cmbto.Text:=Trim("");
cmbdept.Text:=Trim("");
cmbarr.Text:=Trim("");
cmbairline.SetFocus;
Tampilkansemua;
messagedlg('Data Pesanan telah tersimpan',mtInformation,[mbOK],0);
btbayar.Enabled:=false;
btcetak.Enabled:=true;

```

end;

```
procedure TfrmPsnTiket.btNewClick(Sender: TObject);  
begin
```

```
  //tampilkan bonjual
```

```
  with dm.Qdata do
```

```
    begin
```

```
      Close;
```

```
      sql.Clear;
```

```
      sql.Add('select kodepesan from tiket');
```

```
      open;
```

```
      //pengecekan kode pesan baru
```

```
      if fields [0].IsNull then
```

```
        begin
```

```
          edkodepesan.Text:='00001';
```

```
        end
```

```
      else
```

```
        //melihat kode pesan terakhir
```

```
        begin
```

```
          with dm.Qdata do
```

```
            begin
```

```
              close;
```

```
              sql.Clear;
```

```
              sql.Add('select max(Kodepesan)from Tiket');
```

```
              Open;
```

```
              edkodepesan.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
```

```
            end;
```

```
          end;
```

```
With dm.Qproses do
```

```
Begin
```

```
  Close;
```

```
  Sql.Clear;
```

```
  Sql.Add('Delete From Airlinedetail');
```

```
  Sql.Add('Where kodetiket=:kt');
```

```
  Prepare;
```

```
  ParamByName('kt').AsString:=Trim(edkodepesan.Text);
```

```
  Execsql;
```

```
End;
```

```
dm.tragen.Commit;
```

```
end;
```

```
//Menyimpan kodepesan ke dalam tabel tiket ke field kodepesan
```

```
With dm.Qproses do
```

```
Begin
```

```
  Close;
```

```
  Sql.Clear;
```

```
  Sql.Add('Insert Into Tiket(Kodepesan,tanggalpesan,kodecust)Values(:kp,:tp,:kc)');
```

```

Prepare;
ParamByName('kp').AsString:=edkodepesan.Text;
ParamByName('tp').AsDate:=StrToDate(edtgl.Text);
ParamByName('kc').AsString:=edkodecust.Text;
Execsql;
end;

```

```

dm.trAgen.Commit;
edkodetiket.Clear;
edhrjual.Text:=Trim("");
edkodepswt.Clear;
cmbairline.Text:=Trim("");
cmbtanggal.Text:=Trim("");
cmbdept.Text:=Trim("");
cmbarr.Text:=Trim("");
cmbfrom.Text:=Trim("");
cmbto.Text:=Trim("");
Tampilkansemua;
btbayar.Visible:=true;
end;

```

```

procedure TfrmPsnTiket.btBayarClick(Sender: TObject);
begin
  Totalbayar;
  if messagedlg('Pembayaran Secara Tunai?',mtConfirmation,[mbYes,mbNo],0)=mrYes
  then
    begin
      frmtunai.Show;
    end else
      frmkredit.Show;
  end;
end;

```

```

procedure TfrmPsnTiket.totalbayar;
Begin
  With dm.Qproses do
    Begin
      Sql.Clear;
      Sql.Add('Insert
TotalBayar(kodepesan,kodecust,tanggal,totalbayar,jenispesan,vendor,details)'+
      'values(:kp,:kc,:tg,:tb,:jp,:vd,:dl)');
      Prepare;
      ParamByName('kp').AsString:=edkodepesan.Text;
      ParamByName('kc').AsString:=edkodecust.Text;
      ParamByName('tg').AsString:=edtgl.Text;
      ParamByName('tb').AsFloat:=StrToFloat(edjumlahtotal.Text);
      ParamByName('jp').AsString:=edjenispesan.Text;
      ParamByName('vd').AsString:=cmbairline.Text;
      ParamByName('dl').AsString:=edkodetiket.Text;
      Execsql;
    end;
  end;
end;

```

```

end;
dm.trAgen.Commit;
end;

procedure TfrmPsnTiket.btCetakClick(Sender: TObject);
begin
with QTiket do
begin
close;
prepare;
ParamByName ('kp').asString := Trim(edkodepesan.Text);
open;
end;

with QTiketdetail do
begin
close;
prepare;
ParamByName ('kp').asString := Trim(edkodepesan.Text);
open;
end;
Rvproject1.Execute;

btbayar.Enabled:=true;
end;

procedure TfrmPsnTiket.FormActivate(Sender: TObject);
begin
btbayar.Enabled:=false;
btcetak.Enabled:=false;
end;

procedure TfrmPsnTiket.dbgPsnTiketDbClick(Sender: TObject);
var kodetiket : string;
begin
if MessageDlg('Hapus Data?!',mtConfirmation,[mbYes,mbNo],0)=mrYes Then
Begin
With dm.Qdata do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodetiket from Airlinedetail');
Sql.Add('Where Kodetiket=: kt');
Parambyname('kt').AsString:=Trim(dbgPsnTiket.Fields[0].AsString);
Open;
Kodetiket :=Fields[0].AsString;
dm.Qdata.Close;
dm.Qdata.SQL.Clear;
dm.Qdata.SQL.Add('Update Airlinedetail set Kodetiket =:kt');
dm.Qdata.SQL.Add('Where kodetiket=:kt');

```

```

Prepare;
ParamByName('kt').AsString:=Trim(dbgPsnTiket.Fields[0].AsString);
Execsql;
end;

With dm.Qdata do
Begin
close;
sql.Clear;
sql.Add('Delete from Tiketdetail');
sql.Add('Where kodetiket=:kt');
Prepare;
ParamByName('kp').AsString:=Trim(edkodepesan.Text);
ParamByName('kt').AsString:=dbgPsnTiket.Fields[0].AsString;
Execsql;
End;
dm.trAgen.Commit;
Tampilkansemua;
End;
end;

end.

```


Form Pesan Voucher Hotel

unit u_psnvoucher;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, Grids, DBGrids, DB, IBCustomDataSet, IBQuery, ComCtrls,
RpRave, RpDefine, RpCon, RpConDS;

type

```
TfrmPsnvoucher = class(TForm)
  GroupBox1: TGroupBox;
  Label1: TLabel;
  edTanggal: TEdit;
  Label2: TLabel;
  edKodepesan: TEdit;
  GroupBox2: TGroupBox;
  Label3: TLabel;
  Label4: TLabel;
  cmbnamacust: TComboBox;
  edkodecust: TEdit;
  Label5: TLabel;
  edAlamatcust: TEdit;
  GroupBox3: TGroupBox;
  Label6: TLabel;
  edKodehotel: TEdit;
  Label7: TLabel;
  cmbNamahotel: TComboBox;
  Label8: TLabel;
  cmbTipe: TComboBox;
  Label9: TLabel;
  edHrgjual: TEdit;
  Label10: TLabel;
  edJmlhari: TEdit;
  Label11: TLabel;
  Label12: TLabel;
  dbgPsnvoucher: TDBGrid;
  GroupBox4: TGroupBox;
  btSimpan: TButton;
  btTambah: TButton;
  btCetak: TButton;
  btKeluar: TButton;
  GroupBox5: TGroupBox;
  edTotal: TEdit;
  edJmlkamar: TEdit;
  Label13: TLabel;
  edcheckin: TDateTimePicker;
  edcheckout: TDateTimePicker;
  btBayar: TButton;
```

```

edVoucher: TEdit;
QVoucher: TIBQuery;
QVoucherdetail: TIBQuery;
RvVoucher: TRvDataSetConnection;
Rvvoucherdetail: TRvDataSetConnection;
RvProject1: TRvProject;
procedure cmbnamacustChange(Sender: TObject);
procedure FormShow(Sender: TObject);
procedure cmbNamahotelChange(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure Jumlahtotal;
procedure TampilkanItem;
procedure Tampilkansemua;
procedure btSimpanClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure btTambahClick(Sender: TObject);
procedure Totalbayar;
procedure btBayarClick(Sender: TObject);
procedure btCetakClick(Sender: TObject);
procedure dbgPsnvoucherDbClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmPsnvoucher: TfrmPsnvoucher;

implementation
uses u_module,u_tunai,u_kredit;

{$R *.dfm}

procedure TfrmPsnvoucher.cmbnamacustChange(Sender: TObject);
begin
  //menampilkan nama customer dan alamat customer dari table Customer
  //sesuai dengan kode customer yang berada pada cmbKodecust
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Kodecust,Alamat From Customer');
    Sql.Add('Where namacust=:nc');
    Prepare;
    ParamByName('nc').AsString:=cmbnamacust.Text;
    Open;
    edkodecust.Text:=Trim(Fields[0].AsString);
    edalamatcust.Text:=Trim(Fields[1].AsString);
  end;

```

```

//jika cmbkodecust tidak kosong maka update field nama customer dari
//tabel voucher sesuai dengan no bon yang aktif

if cmbnamacust.Text <> '' Then
Begin
  With dm.Qproses do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('update voucher set kodecust=:kc');
    Sql.Add('Where kodepesan=:kp');
    Prepare;
    ParamByName('kp').AsString:=Trim(edkodepesan.Text);
    ParamByName('kc').AsString:=Trim(edkodecust.Text);
    Execsql;
  End;
  dm.trAgen.Commit;
End
Else
  Begin
    ShowMessage('Identitas Customer harus di Isi');
    cmbnamacust.SetFocus;
  end;

  //menampilkan seluruh tampilan
  TampilkanSemua;
end;

```

```

procedure TfrmPsnvoucher.FormShow(Sender: TObject);
begin
  //menampilkan kode pesan pada edkodepesan
  With dm.Qdata do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodepesan from Voucher');
    Open;
    //pengecekan kode pesan baru
    if fields[0].IsNull then
    begin
      edkodepesan.Text:='00001';
    end else
      //melihat kode pesan terakhir
    begin
      with dm.Qdata do
      begin
        close;
        sql.Clear;
        sql.Add('select max(kodepesan)from Voucher');

```

```

    Open;
    edkodepesan.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
  end;
end;
end;
//tampilkan tanggal pada edtanggal
edtanggal.Text:=DatetoStr(Date);
//edcheckin.Date:=DateToStr(Date);
//edcheckout.Date:=DateToStr(Date);

//Menarik Kode customer ke cmbkodecust
cmbnamacust.Clear;
With dm.Qproses Do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Distinct namacust from Customer');
  Sql.Add('Order by namacust');
  Open;
  while not Eof do
  begin
    cmbnamacust.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

//Menarik Nama hotel ke cmbnamahotel
cmbNamahotel.Clear;
With dm.Qproses Do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Distinct namahotel from Hoteldetail');
  Sql.Add('Order by Namahotel');
  Open;
  while not Eof do
  begin
    cmbnamahotel.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

//Menarik Tipe ke cmbTipe
cmbTipe.Clear;
With dm.Qproses Do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select Distinct tipe from Hoteldetail');
  Sql.Add('Order by Tipe');

```

```

Open;
while not Eof do
begin
  cmbtipe.Items.Add(Trim(Fields[0].AsString));
  Next;
end;
end;
Tampilkanitem;
end;

procedure TfrmPsnvoucher.cmbNamahotelChange(Sender: TObject);
begin
  //menampilkan kodehotel,hargajual dari table hoteldetail
  //dengan syarat namahotel sesuai dengan cmbNamahotel
  //kode ditampilkan pada edhotel, harga jual pada edhargjual
  //jumlah hari di edjmlhari

  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodehotel,hargajual from Hoteldetail');
    Sql.Add('Where Namahotel=:nh and tipe like :tp');
    Prepare;
    ParamByName('nh').AsString:=Trim(cmbNamahotel.Text);
    ParamByName('tp').AsString:=Trim('%'+cmbTipe.Text+'%');
    Open;
    edkodehotel.Text:=Trim(Fields[0].Value);
    edHrgjual.Text:=Trim(FloatToStr(Fields[1].Value));
    edjmlkamar.Text:=Trim('1');
  End;
end;

procedure TfrmPsnvoucher.btKeluarClick(Sender: TObject);
begin
  close;
end;

Procedure TfrmPsnvoucher.Jumlahtotal;
Begin
  //prosedur untuk menghitung jumlah total penjualan per kode pesan
  //ditampilkan pada edtotal
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select      Sum(Jumlahkamar*Jmlhari*hargajual)As      TotalBayar      From
Voucherdetail');
    Sql.Add('Where Voucherdetail.kodepesan=:kp');
    Prepare;

```

```

    ParamByName('kp').AsString:=Trim(edkodepesan.Text);
    Open;
    edtotal.Text:=FloatToStr(Fields[0].AsFloat);
    end;
end;

```

```

Procedure TfrmPsnvoucher.TampilkanItem;
Begin
    //Menampilkan semua data
    With dm.Qproses Do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Select
Voucherdetail.kodehotel,Hoteldetail.Namahotel,voucherdetail.hargajual,+
    'Voucherdetail.jumlahkamar,voucherdetail.jmlhari,
Voucherdetail.Tipe,Voucherdetail.checkin,+
'Voucherdetail.checkout,(voucherdetail.jumlahkamar*voucherdetail.hargajual*voucherde
tail.jmlhari) as Jumlah From VoucherDetail');
        sql.Add('Inner Join Hoteldetail on Hoteldetail.kodehotel=Voucherdetail.kodehotel');
        Sql.Add('Where Voucherdetail.kodepesan=:kp');
        Prepare;
        ParamByName('kp').AsString:=Trim(edkodepesan.Text);
        Open;
    End;
end;

```

```

Procedure TfrmPsnvoucher.Tampilkansemua;
Begin
    Tampilkanitem;
    Jmlahtotal;
end;

```

```

procedure TfrmPsnvoucher.btSimpanClick(Sender: TObject);
var jumlahkamar, totalbayar:Double;
begin
    //Masukkan data ke dalam tabel voucher detail dengan data yang tercantum
    With dm.Qdata Do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Select    Sum(Jumlahkamar*Jmlhari*hargajual)As    TotalBayar    From
Voucherdetail');
        Sql.Add('Where Voucherdetail.kodepesan=:kp');
        Prepare;
        ParamByName('kp').AsString:=Trim(edkodepesan.Text);
        open;
    End;
end;

```

```

        totalbayar := Fields[0].AsFloat;
    end;

    with dm.Qproses do
    begin
        close;
        sql.Clear;
        Sql.Add('Insert
Voucherdetail(kodepesan,kodehotel,namahotel,tipe,hargajual,jmlhari,jumlahkamar,checki
n,checkout,totalbayar)+'
        'values(:kp,:kh,:nh,:tp,:hj,:jh,:jk,:ci,:co,:tb)');

        Prepare;
        ParamByName('kp').AsString:=Trim(edkodepesan.Text);
        ParamByName('kh').AsString:=Trim(edkodehotel.Text);
        ParamByName('nh').AsString:=Trim(cmbnamahotel.Text);
        ParamByName('tp').AsString:=Trim(cmbtipe.Text);
        ParamByName('hj').AsFloat:=StrToFloat(edhrjgual.Text);
        ParamByName('jh').AsFloat:=StrToFloat(edjmlhari.Text);
        ParamByName('jk').AsString:=Trim(edjmlkamar.Text);
        ParamByName('ci').AsDate:=edcheckin.Date;
        ParamByName('co').AsDate:=edcheckout.Date;
        ParamByName('tb').AsFloat:=StrToFloat(edtotal.Text);
        Execsql;
    end;

    With dm.Qdata Do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Select jumlahkamar from hoteldetail' );
        Sql.Add('Where namahotel=:nh and tipe like:tp');
        Prepare;
        ParamByName('nh').AsString:=Trim(cmbnamahotel.Text);
        ParamByName('tp').AsString:=Trim('%'+cmbtipe.Text+'%');
        Open;
        Jumlahkamar:=Fields[0].AsFloat;

        dm.Qdata.Close;
        dm.Qdata.SQL.Clear;
        dm.Qdata.SQL.Add('Update Hoteldetail set jumlahkamar =:jk');
        dm.Qdata.SQL.Add('Where namahotel=:nh and tipe =:tp');
        Prepare;
        ParamByName('nh').AsString:=Trim(cmbnamahotel.Text);
        ParamByName('tp').AsString:=Trim(cmbtipe.Text);
        ParamByName('jk').AsFloat:=Jumlahkamar-StrToFloat(edjmlkamar.Text);
        ExecSql;
    end;

    dm.trAgen.Commit;

```

```

edkodehotel.Clear;
edhrkjual.Text:=Trim("");
edjmlkamar.Clear;
edjmlhari.Clear;
cmbNamahotel.SetFocus;
Tampilkansemua;
btcetak.Enabled:=true;
end;

procedure TfrmPsnvoucher.FormActivate(Sender: TObject);
begin
    btbayar.Enabled:=false;
    btcetak.Enabled:=false;
end;

procedure TfrmPsnvoucher.btTambahClick(Sender: TObject);
begin
    cmbnamahotel.Text:=Trim("");
    cmbtipe.Text:=Trim("");
    //menampilkan kodepesan
    with dm.Qdata do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select kodepesan from Voucher');
            Open;

            //Jika kosong maka
            if fields[0].IsNull Then
                Begin
                    edkodepesan.Text:='00001';
                end
            else

                //jika nilainya sdh ada, maka akan ditentukan dari nilai paling akhir
                Begin
                    With dm.Qdata do
                        Begin
                            Close;
                            Sql.Clear;
                            Sql.Add('Select Max(Kodepesan)From Voucher');
                            Open;
                            edkodepesan.Text:=FormatFloat('00000',StrToFloat(fields[0].Value+1));
                        End;
                    End;
                End;
            End;
end;

```



```

//Menyimpan kodepesan ke dalam tabel voucher ke field kodepesan
With dm.Qproses do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Insert Into Voucher(Kodepesan,tanggal)Values(:kp,:tg)');
  Prepare;
  ParamByName('kp').AsString:=edkodepesan.Text;
  ParamByName('tg').AsDate:=StrToDate(edtanggal.Text);
  Exeysql;
  end;

  dm.trAgen.Commit;

  cmbnamacust.Text:=Trim("");
  edkodecust.Clear;
  edAlamatcust.Clear;
  edjmlhari.Clear;
  edjmlkamar.Clear;
  edhrjual.Clear;
  edtotal.Clear;

  TampilkanSemua;
end;

procedure TfrmPsnVoucher.Totalbayar;
Begin
  With dm.Qproses do
  Begin
    Sql.Clear;
    Sql.Add('Insert
Totalbayar(kodepesan,kodecust,tanggal,totalbayar,jenispesan,vendor,details)+
          'values(:kp,:kc,:tg,:tb,:jp,:vd,:dl)');
    Prepare;
    ParamByName('kp').AsString:=edkodepesan.Text;
    ParamByName('kc').AsString:=edkodecust.Text;
    ParamByName('tg').AsString:=edtanggal.Text;
    ParamByName('tb').AsFloat:=StrToFloat(edtotal.Text);
    ParamByName('jp').AsString:=edvoucher.Text;
    ParamByName('vd').AsString:=cmbnamahotel.Text;
    ParamByName('dl').AsString:=cmbtipe.Text;
    Exeysql;
    end;
    dm.trAgen.Commit;
end;

```

```

procedure TfrmPsnvoucher.btBayarClick(Sender: TObject);
begin
  Totalbayar;
  if messagedlg('Pembayaran Secara Tunai?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
  begin
    frmtunai.Show;
  end else
    frmkredit.Show;
end;

```

```

procedure TfrmPsnvoucher.btCetakClick(Sender: TObject);
begin
with QVoucher do
  begin
    close;
    prepare;
    ParamByName ('kp').asString := Trim(edkodepesan.Text);
    open;
  end;

```

```

with QVoucherdetail do
  begin
    close;
    prepare;
    ParamByName ('kp').asString := Trim(edkodepesan.Text);
    open;
  end;
  rvproject1.Execute;
  btbayar.Enabled:=true;
end;

```

```

procedure TfrmPsnvoucher.dbgPsnvoucherDbClick(Sender: TObject);
var jumlahkamar:double;
begin
  if messagedlg('hapus data?',mtConfirmation,[mbYes,mbNo],0)=mrYes Then
  Begin
    With dm.Qdata do
      Begin
        Close;
        sql.Clear;
        sql.Add('Select jumlahkamar from Hoteldetail');
        sql.Add('Where kodehotel=:kh');
        Prepare;
        ParamByName('kh').AsString:=Trim(dbgPsnVoucher.Fields[0].AsString);
        Open;
        Jumlahkamar:=Fields[0].AsFloat;

        dm.Qdata.Close;
        dm.Qdata.SQL.Clear;

```

```

dm.Qdata.SQL.Add('Update Hoteldetail set Jumlahkamar=:jk');
dm.Qdata.SQL.Add('Where kodehotel=:kh');
Prepare;
ParamByName('kh').AsString:=Trim(dbgPsnVoucher.Fields[0].AsString);
ParamByName('jk').AsFloat:=Jumlahkamar+dbgpsnVoucher.Fields[3].AsFloat;
Execsql;
end;

With dm.Qdata do
Begin
Close;
SQL.Clear;
Sql.Add('Delete from Voucherdetail');
Sql.Add('Where kodepesan=:kp and kodehotel=:kh');
Prepare;
ParamByName('kp').AsString:=Trim(edkodepesan.Text);
ParamByName('kh').AsString:=dbgPsnVoucher.Fields[0].AsString;
Execsql;
dm.trAgen.Commit;
Tampilkansemua;
End;
end;
end;

end.

```

Form Pesan Tour

unit u_psntour;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, Grids, DBGrids, DB, IBCustomDataSet, IBQuery, RpRave,
RpDefine, RpCon, RpConDS;

type

```
TfrmPsnTour = class(TForm)
  GroupBox1: TGroupBox;
  GroupBox2: TGroupBox;
  GroupBox3: TGroupBox;
  dbgPsnTour: TDBGrid;
  GroupBox4: TGroupBox;
  btSimpan: TButton;
  btNew: TButton;
  btCetak: TButton;
  btKeluar: TButton;
  Label1: TLabel;
  Label2: TLabel;
  edTanggal: TEdit;
  edKodepesan: TEdit;
  Label3: TLabel;
  edKodecust: TEdit;
  cmbNamacust: TComboBox;
  edAlamatcust: TEdit;
  Label4: TLabel;
  Label5: TLabel;
  edKodetour: TEdit;
  cmbNamatour: TComboBox;
  edKapasitas: TEdit;
  edHarga: TEdit;
  GroupBox5: TGroupBox;
  edTotal: TEdit;
  Label6: TLabel;
  Label7: TLabel;
  Label8: TLabel;
  Label9: TLabel;
  btBayar: TButton;
  edjenispesan: TEdit;
  QTourorder: TIBQuery;
  QTourorderdetail: TIBQuery;
  RvTourorder: TRvDataSetConnection;
  RvTourorderdetail: TRvDataSetConnection;
  RvProject1: TRvProject;
  procedure cmbNamacustChange(Sender: TObject);
  procedure FormShow(Sender: TObject);
```

```

procedure cmbNamatourChange(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure JumlahTotal;
procedure Tampilkanitem;
procedure Tampilkansemua;
procedure btSimpanClick(Sender: TObject);
procedure btNewClick(Sender: TObject);
procedure btBayarClick(Sender: TObject);
procedure totalbayar;
procedure FormActivate(Sender: TObject);
procedure btCetakClick(Sender: TObject);
procedure dbgPsnTourDbClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmPsnTour: TfrmPsnTour;

implementation
uses u_module,u_tunai,u_kredit;

{$R *.dfm}

procedure TfrmPsnTour.cmbNamacustChange(Sender: TObject);
begin
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Kodecust,Alamat From Customer');
    Sql.Add('Where namacust=:nc');
    Prepare;
    ParamByName('nc').AsString:=cmbNamacust.Text;
    Open;
    edkodecust.Text:=Trim(Fields[0].AsString);
    edalamatcust.Text:=Trim(Fields[1].AsString);
  end;

  if cmbnamacust.Text <> ''Then
  Begin
    With dm.Qproses do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('update tourorder set kodecust=:kc');
      Sql.Add('Where kodepesan=:kp');
      Prepare;

```

```

    ParamByName('kp').AsString:=Trim(edkodepesan.Text);
    ParamByName('kc').AsString:=Trim(edkodecust.Text);
    Execsql;
End;
dm.trAgen.Commit;
End
Else
    Begin
        ShowMessage('Identitas Customer harus di Isi');
        cmbnamacust.SetFocus;
    end;

    //menampilkan seluruh tampilan
    TampilkanSemua;
end;

procedure TfrmPsnTour.FormShow(Sender: TObject);
begin
    //menampilkan kode pesan pada edkodepesan
    With dm.Qdata do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Select kodepesan from Tourorder');
        Open;
        //pengecekan kode pesan baru
        if fields[0].IsNull then
        begin
            edkodepesan.Text:='00001';
        end else
            //melihat kode pesan terakhir
            begin
                with dm.Qdata do
                begin
                    close;
                    sql.Clear;
                    sql.Add('select max(kodepesan)from Tourorder');
                    Open;
                    edkodepesan.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
                end;
            end;
        end;
    //tampilkan tanggal pada edtanggal
    edtanggal.Text:=DatetoStr(Date);

    //Menarik Kode customer ke cmbkodecust
    cmbnamacust.Clear;
    With dm.Qproses Do
    Begin
        Close;

```

```

Sql.Clear;
Sql.Add('Select Distinct namacust from Customer');
Sql.Add('Order by namacust');
Open;
while not Eof do
begin
    cmbnamacust.Items.Add(Trim(Fields[0].AsString));
    Next;
end;
end;

//Menarik Nama hotel ke cmbnamahotel
cmbNamatour.Clear;
With dm.Qproses Do
Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Distinct namatour from Tour');
    Sql.Add('Order by NamaTour');
    Open;
    while not Eof do
    begin
        cmbnamatour.Items.Add(Trim(Fields[0].AsString));
        Next;
    end;
end;

Tampilkanitem;

end;

procedure TfrmPsnTour.cmbNamatourChange(Sender: TObject);
begin
    With dm.Qdata Do
    Begin
        Close;
        Sql.Clear;
        Sql.Add('Select kodetour,hargajual from Tour');
        Sql.Add('Where Namatour=:nt');
        Prepare;
        ParamByName('nt').AsString:=Trim(cmbNamatour.Text);
        Open;
        edkodetour.Text:=Trim(Fields[0].Value);
        edHarga.Text:=Trim(FloatToStr(Fields[1].Value));
        edkapasitas.Text:=Trim('1');
    End;
end;

```

```

procedure TfrmPsnTour.btKeluarClick(Sender: TObject);
begin
    Close;
end;

procedure TfrmPsnTour.JumlahTotal;
begin
    With dm.Qdata Do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select Sum(Kapasitas*hargajual)As TotalBayar From Tourorderdetail');
            Sql.Add('Where Tourorderdetail.kodepesan=:kp');
            Prepare;
            ParamByName('kp').AsString:=Trim(edkodepesan.Text);
            Open;
            edtotal.Text:=FloatToStr(Fields[0].AsFloat);
        end;
end;

procedure TfrmPsnTour.Tampilkanitem;
begin
    //Menampilkan semua data
    With dm.Qproses Do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select Tourorderdetail.kodetour,Tour.Namatour,Tourorderdetail.kapasitas, '+
                'Tourorderdetail.hargajual,(Tourorderdetail.kapasitas*Tourorderdetail.hargajual) as
                Jumlah From TourorderDetail');
            sql.Add('Inner Join Tour on Tour.kodetour=Tourorderdetail.kodetour');
            Sql.Add('Where Tourorderdetail.kodepesan=:kp');
            Prepare;
            ParambyName('kp').AsString:=Trim(edkodepesan.Text);
            Open;
        End;
end;

Procedure TfrmPsnTour.Tampilkansemua;
Begin
    Tampilkanitem;
    Jumlahtotal;
end;

procedure TfrmPsnTour.btSimpanClick(Sender: TObject);
var kapasitas :double;
begin
    //Masukkan data ke dalam tabel voucher detail dengan data yang tercantum
    With dm.Qdata Do

```



```

Begin
  Close;
  Sql.Clear;
  Sql.Add('Insert
Tourorderdetail(kodepesan,kodetour,kapasitas,hargajual,totalbayar)'+
  'values(:kp,:kt,:ks,:hj,:tb)');
  Prepare;
  ParamByName('kp').AsString:=edkodepesan.Text;
  ParamByName('kt').AsString:=edkodetour.Text;
  ParamByName('ks').AsFloat:=strToFloat(edkapasitas.Text);
  ParamByName('hj').AsFloat:=StrToFloat(edharga.Text);
  ParamByName('tb').AsFloat:=StrToFloat(edtotal.Text);
  Execsql;
end;
With dm.Qdata Do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select kapasitas from tour' );
  Sql.Add('Where kodetour=:kt');
  Prepare;
  ParamByName('kt').AsString:=Trim(edkodetour.Text);
  Open;
  Kapasitas:=Fields[0].AsFloat;

  dm.Qdata.Close;
  dm.Qdata.SQL.Clear;
  dm.Qdata.SQL.Add('Update Tour set kapasitas=:ks');
  dm.Qdata.SQL.Add('Where kodetour=:kt');
  Prepare;
  ParamByName('kt').AsString:=Trim(edkodetour.Text);
  ParamByName('ks').AsFloat:=Kapasitas-StrToFloat(edkapasitas.Text);
  ExecSql;
end;

dm.trAgen.Commit;
edkodetour.Clear;
edharga.Text:=Trim("");
edkapasitas.Clear;
cmbNamatour.SetFocus;
Tampilkansemua;
btcetak.Enabled:=true;

end;

```

Into

```

procedure TfrmPsnTour.btNewClick(Sender: TObject);
begin
  With dm.Qdata do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodepesan from Tourorder');
    Open;

    //jika kosong maka
    if fields[0].IsNull Then
    Begin
      edkodepesan.Text:='00001';
    End
    Else

    //jika nilainya ada maka,menentukan nilai bon paling akhir
    Begin
      With dm.Qdata do
      Begin
        Close;
        Sql.Clear;
        Sql.Add('Select Max(kodepesan) From Tourorder');
        Open;

        //format awal
        edkodepesan.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));

        end;
      end;
    end;

    //menyimpan kodepesan dalam tabel tourorder ke field kodepesan
    With dm.Qproses do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('Insert Into Tourorder(kodepesan,tanggal)Values(:kp,:tg)');
      Prepare;
      ParamByName('kp').AsString:=edkodepesan.Text;
      ParamByName('tg').AsDate:=StrToDate(edTanggal.Text);
      Execsql;
      end;
      dm.trAgen.Commit;

      cmbNamacust.Text:=Trim("");
      edkodecust.Clear;
      edalamatcust.Clear;

      Tampilkansemua;

```

```

end;

procedure TfrmPsnTour.btBayarClick(Sender: TObject);
//var kapasitas,Harga,Total :double;
begin
    Totalbayar;
    if messagedlg('Ingin Membayar Tunai?',mtConfirmation,[mbYes,mbNo],0)=mrYes
then
    begin
        frmtunai.Show
    end else
        frmkredit.Show
    end;

procedure TfrmPsnTour.totalbayar;
Begin
    With dm.Qproses do
        Begin
            Sql.Clear;
            Sql.Add('Insert into Totalbayar(kodepesan,kodecust,tanggal,totalbayar,jenispesan)'+
                'values(:kp,:kc,:tg,:tb,:jp)');
            Prepare;
            ParamByName('kp').AsString:=edkodepesan.Text;
            ParamByName('kc').AsString:=edkodecust.Text;
            ParamByName('tg').AsString:=edtanggal.Text;
            ParamByName('tb').AsFloat:=StrToFloat(edtotal.Text);
            ParamByName('jp').AsString:=edjenispesan.Text;
            Execsql;
            end;
            dm.trAgen.Commit;
        end;
    procedure TfrmPsnTour.FormActivate(Sender: TObject);
    begin
        btbayar.enabled:=false;
    end;

    procedure TfrmPsnTour.btCetakClick(Sender: TObject);
    begin
        with QTourorder do
            begin
                close;
                prepare;
                ParamByName ('kp').asString := Trim(edkodepesan.Text);
                open;
            end;

            with QTourorderdetail do
                begin
                    close;
                    prepare;

```

```

ParamByName ('kp').asString := Trim(edkodepesan.Text);
open;
end;
Rvproject1.Execute;
btbayar.Enabled:=true;
end;

```

```

procedure TfrmPsnTour.dbgPsnTourDbClick(Sender: TObject);
var kapasitas : double;
begin
if messagedlg('hapus data?',mtConfirmation,[mbYes,mbNo],0)=mrYes Then
Begin
With dm.Qdata do
Begin
Close;
Sql.Clear;
sql.Add('Select kapasitas from Tour');
sql.Add('Where kodetour=:kt');
Prepare;
ParamByName('kt').AsString:=Trim(dbgPsntour.Fields[0].AsString);
Open;
Kapasitas:=Fields[0].AsFloat;

dm.Qdata.Close;
dm.Qdata.SQL.Clear;
dm.Qdata.SQL.Add('Update Tour set Kapasitas=:ks');
dm.Qdata.SQL.Add('Where kodetour=:kt');
Prepare;
ParamByName('kt').AsString:=Trim(dbgPsntour.Fields[0].AsString);
ParamByName('ks').AsFloat:=Kapasitas+dbgpsntour.Fields[2].AsFloat;
Execsql;
end;

With dm.Qdata do
Begin
Close;
SQL.Clear;
Sql.Add('Delete from Tourorderdetail');
Sql.Add('Where kodepesan=:kp and kodetour=:kt');
Prepare;
ParamByName('kp').AsString:=Trim(edkodepesan.Text);
ParamByName('kt').AsString:=dbgPsnTour.Fields[0].AsString;
Execsql;
dm.trAgen.Commit;
Tampilkansemua;
End;
end;
end;

```

end.

Form Pembayaran Tunai

unit u_tunai;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, Grids, DBGrids, ExtCtrls, DB, IBCustomDataSet, IBQuery,
RpRave, RpDefine, RpCon, RpConDS;

type

```
TfrmTunai = class(TForm)
  dbgtunai: TDBGrid;
  GroupBox2: TGroupBox;
  btSimpan: TButton;
  btNew: TButton;
  btKeluar: TButton;
  btCetak: TButton;
  GroupBox1: TGroupBox;
  Label1: TLabel;
  Label2: TLabel;
  Label3: TLabel;
  Label4: TLabel;
  Label5: TLabel;
  edTanggal: TEdit;
  edKodebayar: TEdit;
  cmbPilih: TComboBox;
  edKodepesan: TEdit;
  edTotal: TEdit;
  edStatus: TEdit;
  cmbPilih1: TComboBox;
  Label6: TLabel;
  Label7: TLabel;
  QTunai: TIBQuery;
  QTunaiKODEBAYAR: TIBStringField;
  QTunaiKODECUST: TIBStringField;
  QTunaiKODEPESAN: TIBStringField;
  QTunaiJENISPESAN: TIBStringField;
  QTunaiTANGGAL: TDateTimeField;
  QTunaiTOTALBAYAR: TIBBCDField;
  QTunaiSTATUS: TIBStringField;
  GroupBox3: TGroupBox;
  Label8: TLabel;
  edvendor: TEdit;
  eddetail: TEdit;
  RvTunai: TRvDataSetConnection;
  RvProject1: TRvProject;
  procedure cmbPilihChange(Sender: TObject);
```

```

procedure FormShow(Sender: TObject);
procedure tampilkanitem;
procedure btSimpanClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure btNewClick(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure dbgtunaiDbClick(Sender: TObject);
procedure btCetakClick(Sender: TObject);

private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmTunai: TfrmTunai;

implementation
uses u_module;

{$R *.dfm}

procedure TfrmTunai.cmbPilihChange(Sender: TObject);
begin
  //menampilkan kodepesan dari tabel tourorder
  //sesuai dengan kodecust yang ada pada cmbpilih
  With dm.Qdata Do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select Kodepesan,TotalBayar,vendor,details from TotalBayar');
    Sql.Add('Where kodecust=:kc and jenispesan like :jp');
    Prepare;
    ParamByName('kc').AsString:=cmbpilih.Text;
    ParamByName('jp').AsString:=(%'+cmbpilih1.Text+'%');
    Open;
    edkodepesan.Text:=Trim(Fields[0].AsString);
    edtotal.Text:=Trim(Fields[1].AsString);
    edvendor.Text:=Trim(Fields[2].AsString);
    eddetail.Text:=Trim(Fields[3].AsString);
  end;

end;

procedure TfrmTunai.FormShow(Sender: TObject);
begin
  //menampilkan kodebayar pada edkodebayar
  With dm.Qdata do
  Begin

```

```

Close;
sql.Clear;
Sql.Add('Select kodebayar from Pelunasan');
Open;
if fields[0].IsNull Then
begin
edkodebayar.Text:='00001';
end else
//melihat kodebayar terakhir
begin
With dm.Qdata do
Begin
close;
sql.Clear;
sql.Add('Select max(kodebayar)from Pelunasan');
Open;
edkodebayar.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
end;
end;
end;

//menampilkan tanggal
edtanggal.Text:=DateToStr(Date);

//menarik kodecustomer ke cmbpilih
cmbpilih.Clear;
With dm.Qproses do
Begin
Close;
sql.Clear;
sql.Add('Select Distinct kodecust from TotalBayar');
Sql.Add('Order by kodecust');
Open;
while not Eof do
Begin
cmbpilih.Items.Add(Trim(Fields[0].AsString));
Next;
end;
end;
//menarik kodecustomer ke cmbpilih1
cmbpilih1.Clear;
With dm.Qproses do
Begin
Close;
sql.Clear;
sql.Add('Select Distinct jenispesan from TotalBayar');
Sql.Add('Order by jenispesan');
Open;
while not Eof do
Begin

```

```

    cmbpilih1.Items.Add(Trim(Fields[0].AsString));
    Next;
end;

Tampilkanitem;
end;
end;

Procedure TfrmTunai.tampilkanitem;
Begin
    With dm.Qproses do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('SelectPelunasan.kodecust,
Pelunasan.kodepesan,Pelunasan.jenispesan,Pelunasan.totalbayar,
Pelunasan.vendor,Pelunasan.detail,Pelunasan.status from Pelunasan');
            Sql.Add('Where kodebayar=:kb');
            Prepare;
            ParamByName('kb').AsString:=Trim(edkodebayar.Text);
            Open;
        end;
    end;
end;

procedure TfrmTunai.btSimpanClick(Sender: TObject);
begin
    With dm.Qdata do
        Begin
            Close;
            sql.Clear;
            sql.Add('Insert
Pelunasan(tanggal,kodebayar,kodecust,kodepesan,jenispesan,vendor,detail,totalbayar,stat
us)'+
            'values(:tg,:kb,:kc,:kp,:jp,:vd,:dl,:tb,:st)');
            Prepare;
            ParamByName('tg').AsDate:=StrToDate(edtanggal.Text);
            ParamByName('kb').AsString:=Trim(edkodebayar.Text);
            ParamByName('kc').AsString:=Trim(cmbpilih.Text);
            ParamByName('kp').AsString:=Trim(edkodepesan.Text);
            ParamByName('jp').AsString:=Trim(cmbpilih1.Text);
            ParamByName('vd').AsString:=Trim(edvendor.Text);
            ParamByName('dl').AsString:=Trim(eddetail.Text);
            ParamByName('tb').Asfloat:=StrToFloat(edtotal.Text);
            ParamByName('st').AsString:=Trim(edstatus.Text);
            Execsql;
        end;

    dm.trAgen.Commit;
    cmbpilih.Text:=Trim("");
    edkodepesan.Clear;

```



```

cmbpilih1.Text:=Trim("");
edtotal.Clear;

With dm.Qproses do
Begin
Close;
Sql.Clear;
Sql.Add('Select tanggal,kodebayar,kodecust,jenispesan,vendor,detail,totalbayar,status
from pelunasan');
Open;
End;
end;

procedure TfrmTunai.FormActivate(Sender: TObject);
begin
With dm.Qproses do
Begin
Close;
Sql.Clear;
sQl.Add('Select
tanggal,kodebayar,kodecust,kodepesan,jenispesan,vendor,detail,totalbayar,status from
Pelunasan');
Open;
End;
end;

procedure TfrmTunai.btNewClick(Sender: TObject);
begin
//menampilkan kode bayar
With dm.Qdata do
begin
close;
sql.Clear;
sql.Add('select kodebayar from Pelunasan');
Open;
//jika kosong
if fields[0].IsNull Then
begin
edkodebayar.Text:='00001';
end
else
//jika nilainya ada, maka ditentukan dari nilai paling akhir
Begin
With dm.Qdata do
Begin
Close;
Sql.Clear;
Sql.Add('Select Max(kodebayar)From Pelunasan');
Open;
edkodebayar.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));

```

```
end;  
end;  
end;
```

```
end;
```

```
procedure TfrmTunai.btKeluarClick(Sender: TObject);  
begin  
  close;  
end;
```

```
procedure TfrmTunai.dbgtunaiDbClick(Sender: TObject);  
begin  
  //konfirmasi  
  if messagedlg('Data ini akan dihapus?!',mtConfirmation,[mbYes,mbNo],0)=mrYes then  
  begin  
    with dm.qData do  
    begin  
      close;  
      sql.clear;  
      sql.add('delete from Pelunasan');  
      sql.add('where KodeBayar =:kb');  
      prepare;  
      parambyname('kb').asstring := trim(dbgTunai.Fields[1].asstring);  
      execsql;  
    end;  
    dm.trAgen.commit;  
    tampilkanitem;  
  end;  
end;
```

```
end;
```

```
procedure TfrmTunai.btCetakClick(Sender: TObject);  
begin  
  With Qtunai do  
  Begin  
    Close;  
    Open;  
  End;  
  Rvproject1.Execute;  
end;
```

```
end.
```

Form Pembayaran Kredit

unit u_kredit;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, ExtCtrls, Grids, DBGrids, ComCtrls, DB,
IBCustomDataSet, IBQuery, RpRave, RpDefine, RpCon, RpConDS;

type

```
TfrmKredit = class(TForm)
  GroupBox1: TGroupBox;
  Label1: TLabel;
  edTanggal: TEdit;
  Label2: TLabel;
  edKodeBayar: TEdit;
  dbKredit: TDBGrid;
  GroupBox2: TGroupBox;
  btSimpan: TButton;
  btNew: TButton;
  btCetak: TButton;
  btKeluar: TButton;
  cmbPilih: TComboBox;
  Label3: TLabel;
  edKodepesan: TEdit;
  Label4: TLabel;
  edTotalBayar: TEdit;
  Label5: TLabel;
  edBayar1: TEdit;
  Label6: TLabel;
  edBayar2: TEdit;
  Label7: TLabel;
  cmbpilih1: TComboBox;
  Label8: TLabel;
  Label9: TLabel;
  edbatas: TDateTimePicker;
  GroupBox3: TGroupBox;
  Label10: TLabel;
  edVendor: TEdit;
  eddetail: TEdit;
  QKredit: TIBQuery;
  QKreditKODEBAYAR: TIBStringField;
  QKreditKODECUST: TIBStringField;
  QKreditKODEPESAN: TIBStringField;
  QKreditJENISPESAN: TIBStringField;
  QKreditVENDOR: TIBStringField;
  QKreditDETAIL: TIBStringField;
  QKreditTANGGAL: TDateTimeField;
  QKreditTOTALBAYAR: TIBBCDField;
```

```

QKreditPEMBAYARAN: TIBBCDField;
QKreditSISABAYAR: TIBBCDField;
QKreditBATAS: TDateTimeField;
RvKredit: TRvDataSetConnection;
RvProject1: TRvProject;
procedure cmbPilihChange(Sender: TObject);
procedure FormShow(Sender: TObject);
procedure Tampilkanitem;
procedure btSimpanClick(Sender: TObject);
procedure btNewClick(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure dbKreditDbClick(Sender: TObject);
procedure btCetakClick(Sender: TObject);

private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmKredit: TfrmKredit;

implementation
uses u_module;

{$R *.dfm}

procedure TfrmKredit.cmbPilihChange(Sender: TObject);
begin
  //if rbpilih.ItemIndex=0 Then
  //Begin
  With dm.Qdata do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodepesan,totalbayar,vendor,details from TotalBayar');
    Sql.Add('Where kodecust=:kc and jenispesan like :jp');
    Prepare;
    ParamByName('kc').AsString:=cmbpilih.Text;
    ParamByName('jp').AsString:=(%'+cmbpilih1.Text+'%');
    Open;
    edkodepesan.Text:=Trim(Fields[0].AsString);
    edtotalbayar.Text:=Trim(Fields[1].AsString);
    edvendor.Text:=Trim(Fields[2].AsString);
    eddetail.Text:=Trim(Fields[3].AsString);
  end;
end;
end;

```

```

procedure TfrmKredit.FormShow(Sender: TObject);
begin
  //menampilkan kode bayar pada edkodebayar
  with dm.Qdata do
  Begin
    Close;
    Sql.Clear;
    sQl.Add('Select kodebayar from Kredit');
    Open;

    //pengecekan kode bayar baru
    if fields[0].IsNull then
    begin
      edkodebayar.Text:='00001';
    end else
    //melihat kode bayar akhir
    begin
      With dm.Qdata do
      Begin
        close;
        sql.Clear;
        Sql.Add('Select max(kodebayar)from Kredit');
        Open;
        edkodebayar.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
      end;
    end;
  end;

  //menampilkan tanggal
  edtanggal.Text:=DateToStr(date);

  cmbpilih.Clear;
  With dm.Qproses do
  Begin
    Close;
    sQl.Clear;
    sql.Add('Select Distinct kodecust from Totalbayar');
    sql.Add('order by kodecust');
    Open;
    While not Eof do
    begin
      cmbpilih.Items.Add(Trim(Fields[0].AsString));
    Next
  end;
  end;

  cmbpilih1.Clear;
  With dm.Qproses do
  Begin
    Close;

```

```

    Sql.Clear;
    Sql.Add('Select Distinct jenispesan from TotalBayar');
    sql.Add('order by jenispesan');
    Open;
    While not Eof do
    begin
        cmbpilih1.Items.Add(Trim(Fields[0].AsString));
        Next;
    end;

```

```

//Tampilkanitem;
end;
end;

```

```

Procedure TfrmKredit.Tampilkanitem;

```

```

Begin

```

```

    With dm.Qproses do

```

```

        Begin

```

```

            Close;

```

```

            Sql.Clear;

```

```

            Sql.Add('Select

```

```

            kredit.tanggal,kredit.kodecust,kredit.kodepesan,kredit.jenispesan,kredit.totalbayar,kredit.
            pembayaran,kredit.sisapembayaran,kredit.batas from Kredit');

```

```

            Sql.Add('Where kodebayar:=kb');

```

```

            Prepare;

```

```

            ParamByName('kb').AsString:=Trim(edkodebayar.Text);

```

```

            Open;

```

```

        End;

```

```

    end;

```

```

procedure TfrmKredit.btSimpanClick(Sender: TObject);

```

```

begin

```

```

    With dm.Qdata do

```

```

        Begin

```

```

            Close;

```

```

            SQL.Clear;

```

```

            Sql.Add('Insert

```

```

            Kredit(tanggal,kodebayar,kodecust,kodepesan,jenispesan,vendor,detail,pembayaran,sisab
            ayar,totalbayar,batas)'+

```

```

            'values(:tg,:kb,:kc,:kp,:jp,:vd,:dl,:pn,:sp,:tb,:bs)');

```

```

            Prepare;

```

```

            ParamByName('tg').AsDate:=StrToDate(edtanggal.Text);

```

```

            ParamByName('kb').AsString:=edkodebayar.Text;

```

```

            ParamByName('kc').AsString:=cmbpilih.Text;

```

```

            ParamByName('kp').AsString:=edkodepesan.Text;

```

```

            ParamByName('jp').AsString:=cmbpilih1.Text;

```

```

            ParamByName('vd').AsString:=edvendor.Text;

```

```

            ParamByName('dl').AsString:=eddetail.Text;

```

```

            ParamByName('pn').AsFloat:=StrToFloat(edbayar1.Text);

```

```

            ParamByName('sp').AsFloat:=StrToFloat(edbayar2.Text);

```

```

ParamByName('tb').AsFloat:=StrToFloat(edtotalbayar.Text);
ParamByName('bs').AsDate:=edBatas.Date;
Execsql;

dm.trAgen.Commit;
edkodepesan.Clear;
edttotalbayar.Clear;
edbayar1.Clear;
edbayar2.Clear;
cmbpilih.Text:=Trim("");
cmbpilih1.Text:=Trim("");
cmbpilih.SetFocus;

With dm.Qproses do
Begin
  Close;
  Sql.Clear;
  Sql.Add('Select
tanggal,kodebayar,kodecust,jenispesan,vendor,detail,totalbayar,pembayaran,sisabayar,bat
as from kredit');
  Open;
End;
end;
end;

procedure TfrmKredit.btNewClick(Sender: TObject);
begin
  //menampilkan kodebayar
  With dm.Qdata do
  Begin
    Close;
    Sql.Clear;
    Sql.Add('Select kodebayar from Kredit');
    Open;

    //jika kosong maka
    if fields[0].IsNull Then
    Begin
      edkodebayar.Text:='00001';
    End
    Else

    //jika nilainya ada maka menentukan kodebayar paling akhir
    Begin
      With dm.Qdata do
      Begin
        Close;
        Sql.Clear;
        Sql.Add('Select Max(kodebayar) From Kredit');
        Open;

```

```

    edkodebayar.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
    end;
end;
end;
end;

procedure TfrmKredit.btKeluarClick(Sender: TObject);
begin
    close;
end;

procedure TfrmKredit.FormActivate(Sender: TObject);
begin
    With dm.Qproses do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select
tanggal,kodebayar,kodecust,jenispesan,vendor,detail,totalbayar,pembayaran,sisabayar,bat
as from Kredit');
            Open;
            End;
end;

procedure TfrmKredit.dbKreditDb1Click(Sender: TObject);
begin
    //konfirmasi
    if messagedlg('Data ini akan dihapus?!',mtConfirmation,[mbYes,mbNo],0)=mrYes then
        begin
            with dm.qData do
                begin
                    close;
                    sql.clear;
                    sql.add('delete from Kredit');
                    sql.add('where KodeBayar =:kb');
                    prepare;
                    parambyname('kb').asstring := dbKredit.Fields[1].asstring;
                    execsql;
                end;
                dm.trAgen.commit;
                tampilkanitem;
            end;
        end;
end;

procedure TfrmKredit.btCetakClick(Sender: TObject);
begin
    With QKredit do
        Begin
            Close;

```



```
    Open;
    End;
    Rvproject1.Execute;
end;

end.
```

Form Pelunasan

```
unit u_pelunasan;
```

```
interface
```

```
uses
```

```
    Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
    Dialogs, StdCtrls, Grids, DBGrids, DB, IBCustomDataSet, IBQuery, RpRave,
    RpDefine, RpCon, RpConDS;
```

```
type
```

```
TfrmPelunasan = class(TForm)
    GroupBox1: TGroupBox;
    Label1: TLabel;
    cmbkodebayar: TComboBox;
    Label2: TLabel;
    edbayar: TEdit;
    Label3: TLabel;
    edsisa: TEdit;
    dbpelunasan: TDBGrid;
    Label4: TLabel;
    edtotal: TEdit;
    Label5: TLabel;
    edstatus: TEdit;
    GroupBox2: TGroupBox;
    btSimpan: TButton;
    btCetak: TButton;
    btKeluar: TButton;
    Label6: TLabel;
    Label7: TLabel;
    edtanggal: TEdit;
    edjatuhtampo: TEdit;
    Label8: TLabel;
    edkodecust: TEdit;
    Label9: TLabel;
    edtglbayar: TEdit;
    GroupBox3: TGroupBox;
    Label10: TLabel;
    edvendor: TEdit;
    eddetail: TEdit;
    edkodepesan: TEdit;
    Label11: TLabel;
```

```

Label12: TLabel;
edjenispesan: TEdit;
btNew: TButton;
edkodelunas: TEdit;
Label13: TLabel;
QPlunasan: TIBQuery;
QPlunasanKODEBAYAR: TIBStringField;
QPlunasanKODECUST: TIBStringField;
QPlunasanKODEPESAN: TIBStringField;
QPlunasanJENISPESAN: TIBStringField;
QPlunasanVENDOR: TIBStringField;
QPlunasanDETAIL: TIBStringField;
QPlunasanTANGGAL: TDateTimeField;
QPlunasanTOTALBAYAR: TIBBCDField;
QPlunasanSTATUS: TIBStringField;
RvDataSetConnection1: TRvDataSetConnection;
RvProject1: TRvProject;
procedure cmbkodebayarChange(Sender: TObject);
procedure FormShow(Sender: TObject);
procedure btSimpanClick(Sender: TObject);
procedure FormActivate(Sender: TObject);
procedure btNewClick(Sender: TObject);
procedure btKeluarClick(Sender: TObject);
procedure btCetakClick(Sender: TObject);
private
  { Private declarations }
public
  { Public declarations }
end;

var
  frmPelunasan: TfrmPelunasan;

implementation
uses u_module;

{$R *.dfm}

procedure TfrmPelunasan.cmbkodebayarChange(Sender: TObject);
begin
  With dm.Qdata do
    Begin
      Close;
      Sql.Clear;
      Sql.Add('Select
kodecust,kodepesan,jenispesan,vendor,detail,pembayaran,sisabayar,totalbayar,batas,tangg
al from kredit');
      Sql.Add('Where kodebayar=:kb');
      Prepare;
      ParamByName('kb').AsString:=cmbkodebayar.Text;

```

```

Open;
edkodecust.Text:=Trim(Fields[0].AsString);
edkodepesan.Text:=Trim(Fields[1].AsString);
edjenispesan.Text:=Trim(Fields[2].AsString);
edvendor.Text:=Trim(Fields[3].AsString);
eddetail.Text:=Trim(Fields[4].AsString);
edbayar.Text:=Trim(Fields[5].AsString);
edsisa.Text:=Trim(Fields[6].AsString);
edttotal.Text:=Trim(Fields[7].AsString);
edjatuhtampo.Text:=Trim(Fields[8].AsString);
edtglbayar.text:=Trim(Fields[9].AsString);
end;
end;

procedure TfrmPelunasan.FormShow(Sender: TObject);
begin
//menampilkan kodelunas pada edkodelunas
With dm.Qdata do
Begin
Close;
Sql.Clear;
Sql.Add('Select kodelunas from Kreditlunas');
Open;

//Pengecekan kode lunas baru
if fields[0].IsNull then
begin
edkodelunas.Text:='00001';
end else
//melihat kode terakhir
begin
With dm.Qdata do
Begin
Close;
sql.Clear;
sql.Add('Select max(kodelunas) from Kreditlunas');
Open;
edkodelunas.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
end;
end;
end;

//menampilkan tanggal
edtanggal.Text:=DateToStr(date);

cmbkodebayar.Clear;
With dm.Qproses do
Begin
Close;
sql.Clear;

```

```

sql.Add('Select Distinct kodebayar from Kredit');
sql.Add('order by kodebayar');
Open;
While not Eof do
begin
    cmbkodebayar.Items.Add(Trim(Fields[0].AsString));
    Next;
end;
end;
end;

```

```

procedure TfrmPelunasan.btSimpanClick(Sender: TObject);
begin
    With dm.Qdata do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Insert
Pelunasan(tanggal,kodebayar,kodecust,kodepesan,jenispesan,vendor,detail,totalbayar,stat
us)'+
                'values(:tg,:kb,:kc,:kp,:jp,:vd,:dl,:tb,:st)');
            Prepare;
            ParamByName('tg').AsDate:=StrToDate(edtanggal.Text);
            ParamByName('kb').AsString:=Trim(cmbkodebayar.Text);
            ParamByName('kc').AsString:=Trim(edkodecust.Text);
            ParamByName('kp').AsString:=Trim(edkodepesan.Text);
            ParamByName('jp').AsString:=Trim(edjenispesan.Text);
            ParamByName('vd').AsString:=Trim(edvendor.Text);
            ParamByName('dl').AsString:=Trim(eddetail.Text);
            ParamByName('tb').AsFloat:=StrToFloat(edtotal.Text);
            ParamByName('st').AsString:=Trim(edstatus.Text);
            Execsql;
        end;

        dm.trAgen.Commit;

    end;

```

```

procedure TfrmPelunasan.FormActivate(Sender: TObject);
begin
    With dm.Qproses do
        Begin
            Close;
            Sql.Clear;
            sql.Add('Select
tanggal,kodelunas,kodebayar,kodecust,jenispesan,vendor,detail,pembayaran,sisabayar,sta
tus from Kreditlunas');
            Open;
        end;

```

```

    btcetak.Visible:=false;
end;

procedure TfrmPelunasan.btNewClick(Sender: TObject);
begin
    With dm.Qdata do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Insert
Kreditlunas(kodelunas,kodebayar,kodecust,kodepesan,jenispesan,vendor,detail,tanggal,tal
talbayar,pembayaran,tanggalbayar,sisabayar,status)'+
            'values(:kl,:kb,:kc,:kp,:jp,:vd,:dl,:tg,:tb,:pn,:ty,:sb,:st)');
            Prepare;
            ParamByName('kl').AsString:=Trim(edkodelunas.Text);
            ParamByName('kb').AsString:=Trim(cmbkodebayar.Text);
            ParamByName('kc').AsString:=Trim(edkodecust.Text);
            ParamByName('kp').AsString:=Trim(edkodepesan.Text);
            ParamByName('jp').AsString:=Trim(edjenispesan.Text);
            ParamByName('vd').AsString:=Trim(edvendor.Text);
            ParamByName('dl').AsString:=Trim(eddetail.Text);
            ParamByName('tg').AsDate:=StrToDate(edtanggal.Text);
            ParamByName('tb').AsFloat:=StrToFloat(edtotal.Text);
            ParamByName('pn').AsFloat:=StrToFloat(edbayar.Text);
            ParamByName('ty').AsString:=Trim(edtglbayar.Text);
            ParamByName('sb').AsFloat:=StrToFloat(edsisa.Text);
            ParamByName('st').AsString:=Trim(edstatus.Text);
            Execsql;
        end;
        dm.trAgen.Commit;

        With dm.Qproses do
            Begin
                Close;
                Sql.Clear;
                sql.Add('Select
tanggal,kodelunas,kodebayar,kodecust,jenispesan,vendor,detail,pembayaran,sisabayar,sta
tus from Kreditlunas');
                Open;
            end;

            //menampilkan kodelunas
            With dm.Qdata do
                Begin
                    Close;
                    sql.Clear;
                    sql.Add('select kodelunas from Kreditlunas');
                    Open;
                //jika kosong
                if fields[0].IsNull Then

```

```

begin
  edkodepesan.Text:='00001';
end
else
//jika nilainya ada, maka menentukan kode paling akhir
Begin
  With dm.Qdata do
  Begin
    Close;
    Sql.Clear;
    sql.Add('Select Max(kodelunas)From Kreditlunas');
    Open;
    edkodepesan.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
  end;
end;
end;
end;

procedure TfrmPelunasan.btKeluarClick(Sender: TObject);
begin
  close;
end;

procedure TfrmPelunasan.btCetakClick(Sender: TObject);
begin
  With QPlunasan do
  Begin
    Close;
  End;
  Rvproject1.Execute;
end;

end.

```

Form Letter

unit u_letter;

interface

uses

Windows, Messages, SysUtils, Variants, Classes, Graphics, Controls, Forms,
Dialogs, StdCtrls, CheckLst, Grids, DBGrids, ComCtrls, DB,
IBCustomDataSet, IBQuery, RpRave, RpDefine, RpCon, RpConDS;

type

```
TfrmLG = class(TForm)
  GroupBox1: TGroupBox;
  dbLG: TDBGrid;
  Label1: TLabel;
  Label2: TLabel;
  edkodeLg: TEdit;
  Label3: TLabel;
  cmbkodebayar: TComboBox;
  Label4: TLabel;
  Label5: TLabel;
  edvendor: TEdit;
  Label6: TLabel;
  cmbNamakun: TComboBox;
  Label7: TLabel;
  edpayment: TEdit;
  Label8: TLabel;
  edamount: TEdit;
  GroupBox2: TGroupBox;
  btSimpan: TButton;
  btCetak: TButton;
  btKeluar: TButton;
  btNew: TButton;
  cmbtanggal: TComboBox;
  Label9: TLabel;
  eddetail: TEdit;
  edtanggal: TEdit;
  QLetter: TIBQuery;
  QLetterKODELG: TIBStringField;
  QLetterTANGGAL: TDateTimeField;
  QLetterVENDOR: TIBStringField;
  QLetterDETAIL: TIBStringField;
  QLetterAMOUNT: TIBBCDField;
  QLetterPAYMENT: TIBBCDField;
  QLetterAKUN: TIBStringField;
  RvLetter: TRvDataSetConnection;
  RvProject1: TRvProject;
  procedure cmbkodebayarChange(Sender: TObject);
  procedure btKeluarClick(Sender: TObject);
  procedure FormShow(Sender: TObject);
```

```

    procedure tampilkanitem;
    procedure btSimpanClick(Sender: TObject);
    procedure FormActivate(Sender: TObject);
    procedure btNewClick(Sender: TObject);
    procedure dbLGDbIClick(Sender: TObject);
    procedure btCetakClick(Sender: TObject);
private
    { Private declarations }
public
    { Public declarations }
end;

var
    frmLG: TfrmLG;

implementation
uses u_module;
{$R *.dfm}

procedure TfrmLG.cmbkodebayarChange(Sender: TObject);
begin
    With dm.Qdata do
        Begin
            Close;
            Sql.Clear;
            Sql.Add('Select vendor,detail,totalbayar from Pelunasan');
            Sql.Add('Where kodebayar=:kb and tanggal like :tg');
            Prepare;
            ParamByName('kb').AsString:=cmbkodebayar.Text;
            ParamByName('tg').AsString:=(%'+cmbtanggal.Text+'%');
            Open;
            edvendor.Text:=Trim(fields[0].AsString);
            eddetail.Text:=Trim(fields[1].AsString);
            edamount.Text:=Trim(fields[2].AsString);
        End;
end;

procedure TfrmLG.FormShow(Sender: TObject);
begin
    //menampilkan kodeLG
    With dm.Qdata do
        Begin
            Close;
            sql.Clear;
            sql.Add('Select kodeLG from Pembayaran');
            Open;
            if fields[0].IsNull Then
                begin
                    edkodelg.Text:='00001';
                end;
        end;
    end;

```



```

end else
//melihat kodeIlg terakhir
begin
  with dm.Qdata do
  begin
    close;
    sql.Clear;
    sql.Add('select max(kodeIlg)from Pembayaran');
    Open;
    edkodeIlg.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));
  end;
end;
end;

//menampilkan tanggal
edtanggal.text:=DateToStr(Date);

//menarik kodebayar
cmbkodebayar.Clear;
with dm.Qproses do
Begin
  Close;
  sql.Clear;
  sql.Add('Select Distinct kodebayar from Pelunasan');
  sql.Add('Order by kodebayar');
  Open;
  While not Eof do
  Begin
    cmbkodebayar.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

//menarik tanggal
cmbtanggal.Clear;
With dm.Qproses do
Begin
  close;
  sql.Clear;
  sql.Add('Select Distinct tanggal from Pelunasan');
  sql.Add('Order by tanggal');
  Open;
  While not Eof do
  Begin
    Cmbtanggal.Items.Add(Trim(Fields[0].AsString));
    Next;
  end;
end;

  Tampilkanitem;

```

```

end;

Procedure TfrmLG.tampilkanitem;
Begin
  With dm.Qproses do
  Begin
    Close;
    Sql.Clear;
    sql.Add('Select
pembayaran.kodelg,pembayaran.tanggal,pembayaran.vendor,pembayaran.detail,pembaya
ran.amount,pembayaran.payment,pembayaran.akun from Pembayaran');
    sql.Add('Where kodelg=:kl');
    Prepare;
    ParamByName('kl').AsString:=Trim(edkodelg.Text);
    Open;
  end;
end;

```

```

procedure TfrmLG.btSimpanClick(Sender: TObject);
begin
  With dm.Qdata do
  Begin
    Close;
    sql.Clear;
    sql.Add ('Insert Into
Pembayaran(tanggal,kodelg,vendor,detail,amount,payment,akun)+'
'values(:tgl,:kl,:vd,:dl,:am,:py,:ak)');
    Prepare;
    ParamByName('tgl').AsDate:=StrToDate(edtanggal.Text);
    ParamByName('kl').AsString:=Trim(edkodelg.Text);
    ParamByName('vd').AsString:=Trim(edvendor.Text);
    ParamByName('dl').AsString:=Trim(eddetail.Text);
    ParamByName('am').AsFloat:=StrToFloat(edamount.Text);
    ParamByName('py').AsFloat:=StrToFloat(edpayment.Text);
    ParamByName('ak').AsString:=Trim(cmbnamakun.Text);
    Execsql;
  end;

  dm.trAgen.Commit;
end;

```

```

procedure TfrmLG.FormActivate(Sender: TObject);
begin
  With dm.Qproses do
  Begin
    Close;
    sql.Clear;

```

```

    sql.Add('Select kodeIlg,tanggal,vendor,detail,amount,payment,akun from Pembayaran');
    Open;
end;
end;

```

```

procedure TfrmLG.btNewClick(Sender: TObject);
begin

```

```

    //menampilkan kodeIlg

```

```

    With dm.Qdata do

```

```

        Begin

```

```

            Close;

```

```

            sql.Clear;

```

```

            sql.Add('Select kodeIlg from Pembayaran');

```

```

            Open;

```

```

        //jika kosong

```

```

        if fields[0].IsNull Then

```

```

            begin

```

```

                edkodeIlg.Text:='00001';

```

```

            end

```

```

        else

```

```

        //jika nilainya ada, tentukan kode paling akhir

```

```

        begin

```

```

            With dm.Qdata do

```

```

                begin

```

```

                    close;

```

```

                    sql.Clear;

```

```

                    sql.Add('Select Max(kodeIlg)from Pembyaran');

```

```

                    Open;

```

```

                    edkodeIlg.Text:=FormatFloat('00000',StrToFloat(Fields[0].Value+1));

```

```

                end;

```

```

            end;

```

```

        end;

```

```

end;

```

```

procedure TfrmLG.btKeluarClick(Sender: TObject);

```

```

begin

```

```

    Close;

```

```

end;

```

```

procedure TfrmLG.dbLGDbIClick(Sender: TObject);

```

```

begin

```

```

    //konfirmasi

```

```

    if messagedlg('Data ini akan dihapus?!',mtConfirmation,[mbYes,mbNo],0)=mrYes then

```

```

        begin

```

```

            with dm.qData do

```

```

                begin

```

```

                    close;

```

```

                    sql.clear;

```

```
sql.add('delete from Pembayaran');
sql.add('where KodeLG =:kl');
prepare;
parambyname('kl').asstring := dbLG.Fields[0].asstring;
execsql;
end;
dm.trAgen.commit;
tampilkanitem;
end;
end;
```

```
procedure TfrmLG.btCetakClick(Sender: TObject);
begin
  With QLetter do
    Begin
      Close;
      Open;
      End;
      Rvproject1.Execute;
end;

end.
```