LAMPIRAN A

LISTING PROGRAM

LISTING PROGRAM PADA MICROSOFT VISUAL BASIC 6.0

I. Program Identifikasi Tanda tangan dengan Metode Gradien

1) Program pada Form Main

```
Private Sub Command1_Click()
Unload Me
Load frmInput
frmInput.Show
End Sub

Private Sub Command2_Click()
Unload Me
Load frmRecog
frmRecog.Show
End Sub

Private Sub Command3_Click()
Ans = MsgBox("Do you want to Quit ?", vbYesNo, "Quit?")
If Ans = vbYes Then
      End
ElseIf Ans = vbNo Then
   Exit Sub
End If
End Sub
```

2) Program Pada Form Input Database

```
Dim BuffArray(100) As String
Dim strFile As String
Dim Distort As Single
Dim i As Integer
Dim F As Integer
```

```
Private Sub cmdClear_Click()
picture1.Cls
lblStat.Caption = "Idle"
NumLet = 0
End Sub

Private Sub cmdteach_Click()
ReDim Letter(-1 To rsChar.RecordCount) As String
If Trim(text1.Text) <> "" Then
   WriteFile = True
   picture1.Cls
   lblStat.Caption = "Teaching: " & text1.Text
Else
   MsgBox "Please Input an Username.", vbCritical, "Warning!"
End If
End Sub

Private Sub cmdSave_Click()
Dim strFile As String
Dim i As Integer
Dim F As Integer
rsChar.AddNew
   For F = 0 To rsChar.RecordCount
      For i = 0 To 100
         If Val(Alphabet(F).Direc(i)) < 10 Then
            strFile = strFile & "0"
         End If
         strFile = strFile & Alphabet(F).Direc(i)
            If i = 100 Then
               strFile = strFile & Alphabet(F).Direc(i)
         rsChar!String = strFile
         rsChar!Char = text1.Text
```

```
            rsChar.Update
                End If
        Next i
        If F <> rsChar.RecordCount Then
            strFile = strFile & vbNewLine
        End If
    Next F
    lblStat.Caption = "Letter Saved"

    Call LoadAll
WriteFile = False
NumLet = 0
End Sub

Private Sub cmdBack_Click()
Unload Me
frmMain.Show
End Sub

Private Sub picture1_MouseDown(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MouseDown
picture1.CurrentX = X
picture1.CurrentY = Y
lblStat.Caption = "Drawing"
End Sub

Private Sub picture1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Dim Direc As Integer
Dim BuffX As Integer, BuffY As Integer
Static Count As Integer
```

```
If WriteLet = True Then
   Count = Count + 1
   If Count Mod 2 = 0 Then
      If NumLet < 200 Then
         BuffX = X
         BuffY = Y
         Direc = Direction(HoldX, HoldY, BuffX, BuffY)
         HoldX = X
         HoldY = Y
         xcoord.Caption = "x = " & X
         ycoord.Caption = "y = " & Y
         picture1.Line -(BuffX, BuffY)
         LetterMovement(NumLet) = Direc
         NumLet = NumLet + 1
      Else
         lblStat.Caption = "Letter Limit"
      End If
   End If
End If
End Sub

Private Sub picture1_MouseUp(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Dim BuffArray(100) As String
Dim strFile As String
Dim Distort As Single
Dim i As Integer
Dim F As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
If cmbletlist.ListIndex <> -1 Then
Distort = NumLet / 100
For i = 0 To 100
```

```
    BuffArray(i) = LetterMovement(Int(i * Distort))
    If WriteFile = True Then
        Alphabet(cmbletlist.ListIndex).Direc(i) = LetterMovement(Int(i *
Distort))
    End If
Next i
ElseIf cmbletlist.ListIndex = -1 Then
Distort = NumLet / 100
For i = 0 To 100
    BuffArray(i) = LetterMovement(Int(i * Distort))
    If WriteFile = True Then
        Alphabet(0).Direc(i) = LetterMovement(Int(i * Distort))
    End If
Next i
End If '
WriteLet = False
End Sub
```

3) Program Pada Form Signature Recognition

```
Private Sub Command1_Click()
Dim i As Integer
Dim F As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
ReDim Score(rsChar.RecordCount) As Single
frmRecog.Cls
Distort = NumLet / 100
For i = 0 To 100
    BuffArray(i) = LetterMovement(Int(i * Distort))
    strFile = BuffArray(0)
Next i
 For i = 0 To 100
        strFile = strFile & Alphabet(F).Direc(i)
```

```
 Next i
 Text1.Text = strFile
If WriteFile = False Then
   For F = 0 To rsChar.RecordCount - 1
      Dim Total As Integer
      For i = 0 To 100
         If BuffArray(i) > Alphabet(F).Direc(i) Then
            Difference = BuffArray(i) - Alphabet(F).Direc(i)
         Else
            Difference = Alphabet(F).Direc(i) - BuffArray(i)
         End If
         If BuffArray(i) = 0 And Alphabet(F).Direc(i) = 15 Then
            Difference = 1
         ElseIf BuffArray(i) = 0 And Alphabet(F).Direc(i) = 14 Then
            Difference = 2
         ElseIf BuffArray(i) = 1 And Alphabet(F).Direc(i) = 15 Then
            Difference = 2
         ElseIf BuffArray(i) = 1 And Alphabet(F).Direc(i) = 14 Then
            Difference = 3
         End If
         Score(F) = Score(F) + (8 - Difference)
         Total = Total + 8
      Next i
      Score(F) = Score(F) / Total * 100
      Total = 0
If rsChar.RecordCount > 0 Then
rsChar.MoveFirst
   rsChar.Move (F)
      lblRes.Visible = False
      lblRes.Caption = rsChar!Char
End If
   Next F
```

```
    Highest = 0
    HighScore = Score(0)
    For i = 1 To rsChar.RecordCount - 1
      If Score(i) > HighScore Then
        Highest = i
        HighScore = Mid(Score(i), 1, 2)
      End If
    Next i
    frmRecog.Print ""
    If HighScore < 50 Then
      If rsChar.RecordCount > 0 Then
        rsChar.MoveFirst
        rsChar.Move (Highest)
        lblRes.Visible = False
        lblRes.Caption = rsChar!Char
      End If
    Else
    If rsChar.RecordCount > 0 Then
        rsChar.MoveFirst
        rsChar.Move (Highest)
        lblRes.Visible = False
        lblRes.Caption = rsChar!Char
      End If
    End If
    lblStatus.Caption = "Drawing"
End If
WriteFile = False
NumLet = 0
lblRes.Visible = True
lblScore.Caption = HighScore & "%"
lblStatus.Caption = "Recognised"
End Sub
```

```
Private Sub Command2_Click()
picDraw.Cls
lblStatus.Caption = "Idle"
NumLet = 0
End Sub

Private Sub Command3_Click()
Unload Me
frmMain.Show
End Sub

Private Sub Form_Load()
Dim i As Integer
Call LoadAll
End Sub

Private Sub picDraw_MouseDown(Button As Integer, Shift As Integer, X
As Single, Y As Single)
Call MouseDown
picDraw.CurrentX = X
picDraw.CurrentY = Y
lblStatus.Caption = "Drawing"
End Sub

Private Sub picDraw_MouseMove(Button As Integer, Shift As Integer, X
As Single, Y As Single)
Dim Direc As Integer
Dim BuffX As Integer, BuffY As Integer
Static Count As Integer
If WriteLet = True Then
   Count = Count + 1
```

```
    If Count Mod 2 = 0 Then
      If NumLet < 200 Then
        BuffX = X
        BuffY = Y
        Direc = Direction(HoldX, HoldY, BuffX, BuffY)
        HoldX = X
        HoldY = Y
        xcoord.Caption = "x = " & X
        ycoord.Caption = "y = " & Y
        picDraw.Line -(BuffX, BuffY)
        LetterMovement(NumLet) = Direc
        NumLet = NumLet + 1
      Else
        lblStatus.Caption = "Letter Limit"
      End If
    End If
  End If
  End Sub

  Private Sub picDraw_MouseUp(Button As Integer, Shift As Integer, X As
  Single, Y As Single)
  WriteLet = False
  End Sub
```

4) Program Pada Module Connection

```
Public conn As ADODB.Connection
Public rsChar As ADODB.Recordset
Public Sub Main()
On Error GoTo merr
Dim str1 As String

Set conn = New ADODB.Connection
```

```
On Error GoTo errOff97
str1 = "provider=microsoft.jet.oledb.4.0;data source="
str1 = str1 & App.Path & "\data.mdb"
errOff97:
str1 = "provider=microsoft.jet.oledb.3.51;data source="
str1 = str1 & App.Path & "\data.mdb"
conn.Open str1
Set rsChar = New ADODB.Recordset
rsChar.Open "select * from MastChar", conn, adOpenStatic,
adLockOptimistic
Load frmMain
frmMain.Show
Exit Sub
merr:
MsgBox Err.Description, vbOKOnly, "Error"
End Sub
```

5) Program Pada Module Public

```
Public BuffArray(100) As String
Public strFile As String
Public Distort As Single
Public Difference As Integer
Public Score() As Single
Public Highest As Integer
Public HighScore As Single
Public Ans As String
Public Type LetterType
   Direc(100) As Integer
End Type
Public Alphabet(250) As LetterType
Public WriteLet As Boolean
Public HoldX As Integer, HoldY As Integer
Public LetterMovement(200) As Integer
```

```
Public Letter() As String
Public NumLet As Integer
Public WriteFile As Boolean

Public Function Direction(X1 As Integer, Y1 As Integer, X2 As Integer, Y2
As Integer) As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
Dim Slope As Single
If X2 - X1 = 0 Then
   Slope = 50
Else
   Slope = -(Y2 - Y1) / (X2 - X1)
End If
If Slope <= 0 And Slope > -0.5 Then
   Direction = 0
ElseIf Slope <= -0.5 And Slope > -1 Then
   Direction = 1
ElseIf Slope <= -1 And Slope > -2 Then
   Direction = 2
ElseIf Slope < -2 Then
   Direction = 3
ElseIf Slope > 2 Then
   Direction = 4
ElseIf Slope <= 2 And Slope > 1 Then
   Direction = 5
ElseIf Slope <= 1 And Slope > 0.5 Then
   Direction = 6
ElseIf Slope <= 0.5 And Slope > 0 Then
   Direction = 7
End If
If Y2 > Y1 Then
   Direction = Direction + 8
```

```
End If
End Function

Public Sub LoadAll()
Dim strFileLine As String
Dim Count As Integer
Dim i As Integer
Dim Start As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
Letter(-1) = ""
If rsChar.RecordCount > 0 Then
rsChar.MoveFirst
For i = 0 To rsChar.RecordCount - 1 Step 1
   Letter(i) = rsChar!Char
   If rsChar.EOF = False Then rsChar.MoveNext
Next
End If
Dim a As Integer
Start = 2
If rsChar.RecordCount > 0 Then
rsChar.MoveFirst
Count = 0
For i = 0 To rsChar.RecordCount - 1 Step 1
   strFileLine = rsChar!String
   For a = Start To 200 Step 2
      Alphabet(Count).Direc(Int(a / 2)) = Val(Mid(strFileLine, a, 2))
   Next a
   Start = 1
   Count = Count + 1
If rsChar.EOF = False Then rsChar.MoveNext
Next
End If
```

```
End Sub

Public Sub MouseDown()
WriteLet = True
HoldX = X
HoldY = Y
End Sub
```

II. Program Identifikasi Tanda tangan dengan Metode Perhitungan Jarak Antar Titik Pada Tanda tangan.

1) Program Pada Form Main

```
Private Sub Command1_Click()
Unload Me
Load frmInput
frmInput.Show
End Sub

Private Sub Command2_Click()
Unload Me
Load frmRecog
frmRecog.Show
End Sub

Private Sub Command3_Click()
Ans = MsgBox("Do you want to Quit ?", vbYesNo, "Quit?")
If Ans = vbYes Then
    End
ElseIf Ans = vbNo Then
  Exit Sub
End If
End Sub
```

2) Program pada Form Input Database

```
Dim BuffArray(100) As String
Dim BuffDist(100) As String
Dim strDist As String
Dim Difference As Integer
Dim xx1(200) As Integer
Dim yy1(200) As Integer
Dim xx2(200) As Integer
Dim yy2(200) As Integer
Dim xt As Integer
Dim yt As Integer
Dim xx(200) As Integer
Dim yy(200) As Integer
Dim range As Integer
Dim nl As Integer
Dim i As Integer
Dim F As Integer
Private Sub cmdClear_Click()
picture1.Cls
lblStat.Caption = "Idle"
NumLet = 0
End Sub
Private Sub cmdteach_Click()
If Trim(text1.Text) <> "" Then
   WriteFile = True
   picture1.Cls
   lblStat.Caption = "Teaching: " & text1.Text
Else
   MsgBox "Please write a letter to teach.", vbCritical, "Warning!"
End If
End Sub
```

```
Private Sub cmdSave_Click()
Dim dist As Integer
Dim a As Integer
Dim i As Integer
Dim F As Integer
Dim strDist As String
Dim Tort As Single
ReDim Letter(-1 To rsChar.RecordCount) As String
nl = NumLet
xt = (xx2(nl) + xx1(0)) / 2
yt = (yy2(nl) + yy1(0)) / 2
For a = 0 To nl
xx(a) = ((xt - xx1(a)) ^ 2) / (xx2(nl) + xx1(0))
yy(a) = ((yt - yy1(a)) ^ 2) / (yy2(nl) + yy1(0))
range = Abs(Sqr(xx(a) + yy(a)))
dist = Distance(range)
LetterDistance(a) = dist
Next a
If cmbletlist.ListIndex <> -1 Then
Tort = nl / 100
For i = 0 To 100
   BuffDist(i) = LetterDistance(Int(i * Tort))
   If WriteFile = True Then
      User(cmbletlist.ListIndex).dist(i) = LetterDistance(Int(i * Tort))
   End If
Next i
ElseIf cmbletlist.ListIndex = -1 Then
Tort = nl / 100
For i = 0 To 100
   BuffDist(i) = LetterDistance(Int(i * Tort))
   If WriteFile = True Then
```

```
        User(0).dist(i) = LetterDistance(Int(i * Tort))
    End If
Next i
End If
rsChar.AddNew
    For F = 0 To rsChar.RecordCount
        For i = 0 To 100
            If Val(User(F).dist(i)) < 10 Then
                strDist = strDist & "0"
            End If
            strDist = strDist & User(F).dist(i)
            If i = 100 Then
                    strDist = strDist & User(F).dist(i)
            rsChar!String = strDist
            rsChar!Char = text1.Text
            rsChar.Update
                End If
        Next i
        If F <> rsChar.RecordCount Then
            strDist = strDist & vbNewLine
        End If
    Next F
    lblStat.Caption = "Letter Saved"
    Call LoadAll
WriteFile = False
NumLet = 0
End Sub

Private Sub cmdBack_Click()
Unload Me
frmMain.Show
End Sub
```

```
Private Sub picture1_MouseDown(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Call MouseDown
picture1.CurrentX = X
picture1.CurrentY = Y
lblStat.Caption = "Drawing"
End Sub

Private Sub picture1_MouseMove(Button As Integer, Shift As Integer, X As
Single, Y As Single)
Dim BuffX As Integer, BuffY As Integer
Static Count As Integer
If WriteLet = True Then
   Count = Count + 1
   If Count Mod 2 = 0 Then
      If NumLet < 200 Then
         BuffX = X
         xx2(NumLet) = BuffX
         BuffY = Y
         yy2(NumLet) = BuffY
         HoldX = X
         xx1(NumLet) = HoldX
         HoldY = Y
         yy1(NumLet) = HoldY
         xcoord.Caption = "x = " & X
         ycoord.Caption = "y = " & Y
         picture1.Line -(BuffX, BuffY)
         NumLet = NumLet + 1
      Else
         lblStat.Caption = "Letter Limit"
      End If
   End If
```

```
End If
End Sub

Private Sub picture1_MouseUp(Button As Integer, Shift As Integer, X As
Single, Y As Single)
ReDim Letter(-1 To rsChar.RecordCount) As String
WriteLet = False
End Sub
```

3) Program pada Form Signature Recognition

```
Dim BuffArray(100) As String
Dim BuffDist(100) As String
Dim strDist As String
Dim Diff As Integer
Dim Difference As Integer
Dim xx1(200) As Integer
Dim yy1(200) As Integer
Dim xx2(200) As Integer
Dim yy2(200) As Integer
Dim xt As Integer
Dim yt As Integer
Dim xx(200) As Integer
Dim yy(200) As Integer
Dim range As Integer
Dim nl As Integer
Dim i As Integer
Dim F As Integer

Private Sub Command1_Click()
Dim i As Integer
Dim F As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
```

```
ReDim Score(rsChar.RecordCount) As Single

frmRecog.Cls

nl = NumLet
xt = (xx2(nl) + xx1(0)) / 2
yt = (yy2(nl) + yy1(0)) / 2

For a = 0 To nl
xx(a) = ((xt - xx1(a)) ^ 2) / (xx2(nl) + xx1(0))
yy(a) = ((yt - yy1(a)) ^ 2) / (yy2(nl) + yy1(0))
range = Abs(Sqr(xx(a) + yy(a)))
dist = Distance(range)
LetterDistance(a) = dist
Next a
Tort = NumLet / 100
For i = 0 To 100
   BuffDist(i) = LetterDistance(Int(i * Tort))
   strDist = BuffDist(0)
Next i
For i = 1 To 100
strDist = strDist & BuffDist(i)
Next i
Text1.Text = strDist
If WriteFile = False Then
   For F = 0 To rsChar.RecordCount - 1
      Dim Total As Integer
      For i = 0 To 100
         If BuffDist(i) > User(F).dist(i) Then
            Diff = BuffDist(i) - User(F).dist(i)
            If Diff = 2 Or Diff = 3 Then
               Difference = 1
```

```
    ElseIf Diff = 5 Then
       Difference = 2
    ElseIf Diff = 7 Or Diff = 8 Then
       Difference = 3
    ElseIf Diff = 10 Then
       Difference = 4
    ElseIf Diff = 12 Or Diff = 13 Then
       Difference = 5
    ElseIf Diff = 15 Then
       Difference = 6
    ElseIf Diff = 17 Or Diff = 18 Then
       Difference = 7
    ElseIf Diff = 20 Then
       Difference = 8
    End If
Else
    Diff = User(F).dist(i) - BuffDist(i)
    If Diff = 2 Or Diff = 3 Then
      Difference = 1
    ElseIf Diff = 5 Then
       Difference = 2
    ElseIf Diff = 7 Or Diff = 8 Then
       Difference = 3
    ElseIf Diff = 10 Then
       Difference = 4
    ElseIf Diff = 12 Or Diff = 13 Then
       Difference = 5
    ElseIf Diff = 15 Then
       Difference = 6
    ElseIf Diff = 17 Or Diff = 18 Then
       Difference = 7
    ElseIf Diff = 20 Then
```

```
                Difference = 8
            End If
        End If


        Score(F) = Score(F) + (9 - Difference)
        Total = Total + 9
    Next i
    Score(F) = Score(F) / Total * 100
    Total = 0

If rsChar.RecordCount > 0 Then
rsChar.MoveFirst
  rsChar.Move (F)
    lblRes.Visible = False
    lblRes.Caption = rsChar!Char
End If

  Next F
  Highest = 0
  HighScore = Score(0)

  For i = 1 To rsChar.RecordCount - 1
    If Score(i) > HighScore Then
      Highest = i
      HighScore = Mid(Score(i), 1, 2)
    End If
  Next i
  frmRecog.Print ""
  If HighScore < 50 Then
    If rsChar.RecordCount > 0 Then
      rsChar.MoveFirst
```

```
            rsChar.Move (Highest)
            lblRes.Visible = False
            lblRes.Caption = rsChar!Char
        End If
    Else
    If rsChar.RecordCount > 0 Then
            rsChar.MoveFirst
            rsChar.Move (Highest)
            lblRes.Visible = False
            lblRes.Caption = rsChar!Char
        End If
    End If
    lblStatus.Caption = "Drawing"
End If
WriteFile = False
NumLet = 0
nl = 0
lblRes.Visible = True
lblScore.Caption = HighScore & "%"
lblStatus.Caption = "Recognised"
End Sub

Private Sub Command2_Click()
picDraw.Cls
lblStatus.Caption = "Idle"
NumLet = 0
Text1.Text = ""
End Sub

Private Sub Command3_Click()
Unload Me
frmMain.Show
```

```
End Sub

Private Sub Form_Load()
Dim i As Integer
Call LoadAll
End Sub


Private Sub picDraw_MouseDown(Button As Integer, Shift As Integer, X
As Single, Y As Single)
Call MouseDown
picDraw.CurrentX = X
picDraw.CurrentY = Y
lblStatus.Caption = "Drawing"
End Sub

Private Sub picDraw_MouseMove(Button As Integer, Shift As Integer, X
As Single, Y As Single)
Dim BuffX As Integer, BuffY As Integer
Static Count As Integer
If WriteLet = True Then
   Count = Count + 1
   If Count Mod 2 = 0 Then
      If NumLet < 200 Then
         BuffX = X
         xx2(NumLet) = BuffX
         BuffY = Y
         yy2(NumLet) = BuffY
         HoldX = X
         xx1(NumLet) = HoldX
         HoldY = Y
         yy1(NumLet) = HoldY
```

```
            xcoord.Caption = "x = " & X
            ycoord.Caption = "y = " & Y
            picDraw.Line -(BuffX, BuffY)
            NumLet = NumLet + 1
        Else
            lblStat.Caption = "Letter Limit"
        End If
    End If
End If
End Sub

Private Sub picDraw_MouseUp(Button As Integer, Shift As Integer, X As
Single, Y As Single)
WriteLet = False
End Sub
```

4) Program pada Module Connection

```
Public conn As ADODB.Connection
Public rsChar As ADODB.Recordset
Public Sub Main()
On Error GoTo merr
Dim str1 As String
Set conn = New ADODB.Connection
On Error GoTo errOff97

str1 = "provider=microsoft.jet.oledb.4.0;data source="
str1 = str1 & App.Path & "\data.mdb"
errOff97:
str1 = "provider=microsoft.jet.oledb.3.51;data source="
str1 = str1 & App.Path & "\data.mdb"
conn.Open str1
Set rsChar = New ADODB.Recordset
```

```
rsChar.Open "select * from MastChar", conn, adOpenStatic,
adLockOptimistic
Load frmMain
frmMain.Show
Exit Sub
merr:
MsgBox Err.Description, vbOKOnly, "Error"
End Sub
```

5) Program pada Module Public

```
Public BuffArray(100) As String
Public strDist As String
Public Difference As Integer
Public Score() As Single
Public Highest As Integer
Public HighScore As Single
Public Ans As String
Public Type RangeType
   dist(100) As Integer
End Type
Public User(250) As RangeType
Public WriteLet As Boolean
Public HoldX As Integer, HoldY As Integer
Public LetterDistance(200) As Integer
Public Letter() As String
Public NumLet As Integer
Public WriteFile As Boolean

Public Function Distance(ran As Integer) As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
Dim dist As Single
```

```
If ran <= 3 And ran > 0 Then
  Distance = 0
ElseIf ran <= 5 And ran > 3 Then
   Distance = 3
ElseIf ran <= 8 And ran > 5 Then
   Distance = 5
ElseIf ran <= 10 And ran > 8 Then
   Distance = 8
ElseIf ran <= 13 And ran > 10 Then
   Distance = 10
ElseIf ran <= 15 And ran > 13 Then
   Distance = 13
ElseIf ran <= 18 And ran > 15 Then
   Distance = 15
ElseIf ran <= 20 And ran > 18 Then
   Distance = 18
ElseIf ran > 20 Then
   Distance = 20
End If
End Function


Public Sub LoadAll()
Dim strFileLine As String
Dim Count As Integer
Dim i As Integer
Dim Start As Integer
ReDim Letter(-1 To rsChar.RecordCount) As String
Letter(-1) = ""
If rsChar.RecordCount > 0 Then
rsChar.MoveFirst
For i = 0 To rsChar.RecordCount - 1 Step 1
```

```
    Letter(i) = rsChar!Char
    If rsChar.EOF = False Then rsChar.MoveNext
Next
End If

Dim a As Integer
Start = 2
If rsChar.RecordCount > 0 Then
rsChar.MoveFirst
Count = 0
For i = 0 To rsChar.RecordCount - 1 Step 1
    strFileLine = rsChar!String
    For a = Start To 200 Step 2
        User(Count).dist(Int(a / 2)) = Val(Mid(strFileLine, a, 2))
    Next a
    Start = 1
    Count = Count + 1
If rsChar.EOF = False Then rsChar.MoveNext
Next
End If
End Sub

Public Sub MouseDown()
WriteLet = True
HoldX = X
HoldY = Y
End Sub
```