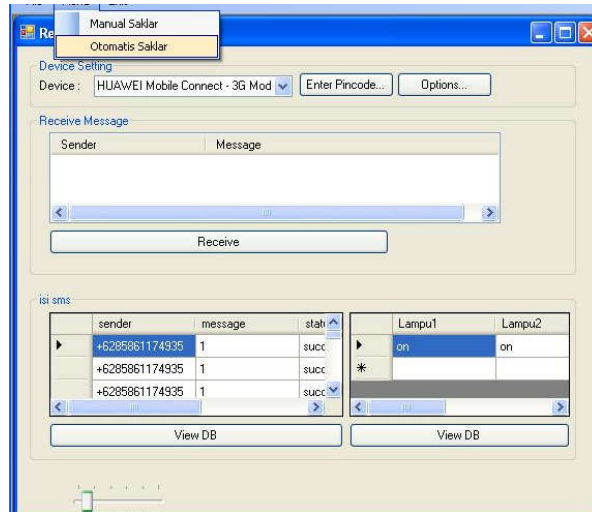


LAMPIRAN A

Listing Program

Program pada Visual Studio 2008

LISTING PROGRAM PADA VISUAL STUDIO 2008



```
Imports System.Data
Imports System.Data.SqlClient
Imports AXmsCtrl
Public Class Receive

    Inherits System.Windows.Forms.Form
    Dim objSendOptionsForm As SendOptionsForm
    Dim objWapForm As SmsDataWapForm
    Dim objRingtoneForm As SmsDataRingtoneForm
    Dim objPictureForm As SmsDataPictureForm
    Dim objGsmReceiveOptionsForm As SmsGsmReceiveOptionsForm
    Dim objPincodeForm As PincodeForm

    Private objGsmProtocol As SmsProtocolGsm
    Private objConstants As SmsConstants
    Public conn As New SqlConnection("Data
Source=.\SQLEXPRESS;Initial Catalog=dbSaklar;Integrated
Security=True")
    Public owner As String = "YONAS"
    Public pintuOwner As String = "PINTU"
    Public lampStat1 As String
    Public lampStat2 As String
    Public lampStat3 As String
    Public lampStat4 As String
```

```

Private Sub Query(ByVal sender As String, ByVal text As
String, ByVal status As String)
    Dim cmd As New SqlCommand()
    Dim da As New SqlDataAdapter(cmd)

    cmd.Connection = conn
    conn.Open()

    cmd.CommandText = "insert into tbInbox VALUES('" + sender
+ "', '" + text + "', '" + status + "')"
    cmd.CommandType = CommandType.Text

    cmd.ExecuteNonQuery()

    conn.Close()

End Sub

```

```

Private Sub Receive_Load(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles MyBase.Load
    Dim numDeviceCount, l As System.Int32
    Dim strDevice As String

    objGsmProtocol = New SmsProtocolGsm
    objConstants = New SmsConstants

    objSendOptionsForm = New SendOptionsForm
    objWapForm = New SmsDataWapForm
    objRingtoneForm = New SmsDataRingtoneForm
    objPictureForm = New SmsDataPictureForm
    objGsmReceiveOptionsForm = New SmsGsmReceiveOptionsForm
    objPincodeForm = New PincodeForm

    ' Fill devices combo
    ctlDevices.Items.Clear()
    numDeviceCount = objGsmProtocol.GetDeviceCount()
    For l = 0 To numDeviceCount - 1
        strDevice = objGsmProtocol.GetDevice(l)
        ctlDevices.Items.Add(strDevice)
    Next
    ctlDevices.Items.Add("COM1")
    ctlDevices.Items.Add("COM2")
    ctlDevices.Items.Add("COM3")
    ctlDevices.Items.Add("COM4")
    ctlDevices.Items.Add("COM5")
    ctlDevices.Items.Add("COM6")
    ctlDevices.Items.Add("COM7")
    ctlDevices.Items.Add("COM8")
    ctlDevices.SelectedIndex = 0

    ' Fill devicespeed combo
    ctlDeviceSpeed.Items.Clear()
    ctlDeviceSpeed.Items.Add("Default")
    ctlDeviceSpeed.Items.Add("1200")
    ctlDeviceSpeed.Items.Add("2400")

```

```

ctlDeviceSpeed.Items.Add("4800")
ctlDeviceSpeed.Items.Add("9600")
ctlDeviceSpeed.Items.Add("19200")
ctlDeviceSpeed.Items.Add("38400")
ctlDeviceSpeed.Items.Add("57600")
ctlDeviceSpeed.Items.Add("115200")
ctlDeviceSpeed.SelectedIndex = 0

' Set log file
ctlLogFile.Text = System.IO.Path.GetTempPath() &
"GsmLog.txt"

ctlRecipient.Text = "<Recipients mobile number>"
ctlMessage.Text = "<type your message here>"

ctlSentMessages.Columns.Clear()
ctlSentMessages.Columns.Add("Reference", 60,
HorizontalAlignment.Left)
ctlSentMessages.Columns.Add("Recipient", 80,
HorizontalAlignment.Left)
ctlSentMessages.Columns.Add("Time", 80,
HorizontalAlignment.Left)
ctlSentMessages.Columns.Add("Status", 100,
HorizontalAlignment.Left)

ctlReceivedMessages.Items.Clear()
ctlReceivedMessages.Columns.Clear()
ctlReceivedMessages.Columns.Add("Sender", 150,
HorizontalAlignment.Left)
ctlReceivedMessages.Columns.Add("Message", 300,
HorizontalAlignment.Left)

UpdateControls()
Timer1.Enabled = True
End Sub

```

```

Private Sub UpdateControls()
Dim strDevice As String

strDevice = ctlDevices.SelectedItem.ToString()
If (String.Compare(strDevice, 0, "COM", 0, 3, True) = 0)
Then
    ctlDeviceSpeed.Enabled = True
Else
    ctlDeviceSpeed.Enabled = False
End If
End Sub

```

```

Private Sub Refreshs()
    Dim numMessageType, i As System.Int32
    Dim strByte As String

    Dim objSmsMessage As SmsMessage

    ' Clear all items in list
    ctlReceivedMessages.Items.Clear()

    ' Device (pilih alat/modem)
    objGsmProtocol.Clear()
    objGsmProtocol.Device = ctlDevices.SelectedItem.ToString()

    ' Device speed (tdk muncul)
    If ctlDeviceSpeed.SelectedIndex = 0 Then
        objGsmProtocol.DeviceSpeed = 0
    Else
        objGsmProtocol.DeviceSpeed =
System.Int32.Parse(ctlDeviceSpeed.SelectedItem.ToString())
    End If

    ' Set Logfile (optional, for debugging purposes) () tdk
muncul
    objGsmProtocol.LogFile = ctlLogFile.Text

    ' Set Storage
    objGsmProtocol.MessageStorage =
objGsmReceiveOptionsForm.numMessageStorage

    ' Set Delete on/off (otomatis ceklist status)
    objGsmProtocol.DeleteAfterReceive =
objGsmReceiveOptionsForm.bDeleteAfterReceive

    ' Set Cursor
    System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.WaitCursor

    ' Read Items from storage (baca sms dri SIM)
    objGsmProtocol.Receive() 'ambil sms dri SIM from plugin
.Receive()
    UpdateResult(objGsmProtocol.LastError) 'ambil sms dri
SIM, klo success 0, failed 1

    If (objGsmProtocol.LastError = 0) Then

        Dim str(2) As String 'dimulai dri 0, str(0) dan
str(1)
        Dim itm As ListViewItem 'deklarasi list view from
plugin

        objSmsMessage = objGsmProtocol.GetFirstMessage()
'ambil sms pertama,,obj sms penampung sms

        While (objGsmProtocol.LastError = 0)
            numMessageType = objSmsMessage.Format

```

```

        str(0) = objSmsMessage.Sender ' ambil pengirim sms
        If (numMessageType <>
objConstants.asMESSAGEFORMAT_DATA) Then
            str(1) = objSmsMessage.Data ' data = isi sms
dri SIM
        Else
            str(1) = "<DATA>"
        End If
        itm = New ListViewItem(str) 'str(0) dan Str(1)
udah terisi
        ctlReceivedMessages.Items.Add(itm)
        'sms berhasil ditampilkan di list view success tp
blom ke database
        'executeOrder(0856xxx,isiSMs) masuk ke execute
order!!!
        If (executeOrder(objSmsMessage.Sender,
objSmsMessage.Data)) Then
            Query(objSmsMessage.Sender.ToString(),
objSmsMessage.Data.ToString(), "success")

            If objSmsMessage.Data.Contains("YONAS") Then
                testsms(objSmsMessage.Sender.ToString(),
"berhasil")
            End If

        Else
            Query(objSmsMessage.Sender.ToString(),
objSmsMessage.Data.ToString(), "failed")
            testsms(objSmsMessage.Sender.ToString(),
"formatsalah")
        End If

        objSmsMessage = objGsmProtocol.GetNextMessage()
'get next buat baca sms selanjutnya
    End While
End If
    'ctlReceivedMessages.Items.RemoveAt(1)
    'Reset Cursor

End Sub

```

```

Function executeOrder(ByVal sender As String, ByVal text As
String)
    'sender -> 0856xxx
    'text -> isi SMS

    Dim order(2) As String
    Dim lampu(5) As String

    'YONAS 1111'
    'order(0) = yonas
    'order(1) = 1111

    'pisahkan spasi dri sms .split
    order = text.Split(CChar(" "))

    If order(0) = "YONAS" Then
        If order.Length = 2 Then 'Cthnya YONAS 1111
            lampu(1) = Mid(order(1), 1, 1).ToString()
            lampu(2) = Mid(order(1), 2, 1).ToString()
            lampu(3) = Mid(order(1), 3, 1).ToString()
            lampu(4) = Mid(order(1), 4, 1).ToString()

            If order(0) = "YONAS" Then
                If (lampu(1) = "0" Or lampu(1) = "1") And
(lampu(2) = "0" Or lampu(2) = "1") And (lampu(3) = "0" Or lampu(3)
= "1") And (lampu(4) = "0" Or lampu(4) = "1") Then
                    Form1.GenLamp(lampu(1), lampu(2),
lampu(3), lampu(4))

                    'sendSMS(sender, "berhasil")
                    Return True
                Else
                    'sendSMS(sender, "formatlampu salah")
                    Return False
                End If
            Else
                'sendSMS(sender, "formatsalah")
                Return False
            End If
        ElseIf order.Length = 1 Then ' CEK
            If order(0) = "CEK" Then
                testsms(sender, "cekstatus")
                Return True
            Else
                Return False
            End If
        Else
            Return False
        End If
    ElseIf order(0) = "PINTU" Then
        If order(1) = "TUTUP" Or order(1) = "BUKA" Then

```

```

        frmPintu.genPintu(sender, order(1))
        Return True
    Else
        testsms(sender, "gagalPintu")
        Return False
    End If
End If

'1111

End Function

```

```

Public Sub testsms(ByVal recipient As String, ByVal status As
String)

    If (Mid(recipient, 1, 1) = "0") Then
        recipient = "+62" + (Mid(recipient, 2,
recipient.Length))
    End If

    Dim objSmsMessage As SmsMessage = New SmsMessage
    Dim strMessageReference As String

    objSmsMessage.Clear()

    If status = "formatsalah" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Format SMS salah. Ketik
OWNER_NAME<spasi>status atau CEK utk status"
    ElseIf status = "formatlampusalah" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Format Status Lampu Salah.
Contoh : 1111"
    ElseIf status = "nomorunknown" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "No Anda Tidak Terdaftar"
    ElseIf status = "berhasil" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan

```



```

        objSmsMessage.Data = "Perintah Behasil Dilaksanakan"
    ElseIf status = "gagalPintu" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Format Salah. Cth PINTU BUKA"
    ElseIf status = "berhasilTutup" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Pintu Berhasil Ditutup"
    ElseIf status = "berhasilBuka" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Pintu Berhasil Dibuka"
    ElseIf status = "gagalBuka" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Pintu Gagal Dibuka Karena Pintu
Dalam Keadaan Terbuka"
    ElseIf status = "gagalTutup" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Pintu Gagal Ditutup Karena Pintu
Dalam Keadaan Tertutup"
    ElseIf status = "cekstatus" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

    Dim cmd As New SqlCommand()
    Dim da As New SqlDataAdapter(cmd)
    Dim dReader As SqlDataReader
    Dim ds As New DataSet

    cmd.Connection = conn
    conn.Open()

    cmd.CommandText = "SELECT * FROM TbStatLamp"
    cmd.CommandType = CommandType.Text
    cmd.ExecuteNonQuery()

    da.Fill(ds, "statlamp")
    DataGridView2.DataSource = ds.Tables(0)
    dReader = cmd.ExecuteReader()

```

```

    If (dReader.Read) Then
        lampStat1 = dReader(0)
        lampStat2 = dReader(1)
        lampStat3 = dReader(2)
        lampStat4 = dReader(3)
    End If

    dReader.Close()
    conn.Close()

    'pesan ngirim sms
    objSmsMessage.Data = "Lampu 1 = " + lampStat1 + ",
Lampu 2 = " + lampStat2 + ", Lampu 3 = " + lampStat3 + ", Lampu 4
= " + lampStat4 + ""
    End If

    objSmsMessage.Format = objConstants.asMESSAGEFORMAT_TEXT
    If (objSendOptionsForm.bDeliveryReport) Then
        objSmsMessage.RequestDeliveryStatus = -1
    Else
        objSmsMessage.RequestDeliveryStatus = 0
    End If

    If (ctlUnicode.Checked) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE
        If (objSendOptionsForm.bImmediateDisplay) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE_FLASH
        End If
        If (objSendOptionsForm.bMultipart) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE_MULTIPART
        End If
    Else
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT
        If (objSendOptionsForm.bImmediateDisplay) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT_FLASH
        End If
        If (objSendOptionsForm.bMultipart) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT_MULTIPART
        End If
    End If
    If (objSendOptionsForm.bUDH) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_DATA_UDH
    End If

    objGsmProtocol.Clear()
    objGsmProtocol.Device = ctlDevices.SelectedItem.ToString()
    If ctlDeviceSpeed.SelectedIndex = 0 Then

```

```

        objGsmProtocol.DeviceSpeed = 0
    Else
        objGsmProtocol.DeviceSpeed =
System.Int32.Parse(ctlDeviceSpeed.SelectedItem.ToString())
    End If
    ' Set Logfile (optional, for debugging purposes)
    ' objGsmProtocol.LogFile = ctlLogFile.Text

    ' Set Cursor
    System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.WaitCursor

    ' Send the message !
    strMessageReference = objGsmProtocol.Send(objSmsMessage)
    UpdateResult(objGsmProtocol.LastError)
    If (objGsmProtocol.LastError = 0) Then
        Dim str(4) As String
        Dim itm As ListViewItem

        str(0) = strMessageReference
        str(1) = objSmsMessage.Recipient
        str(2) = "n/a"
        str(3) = "Submitted"
        itm = New ListViewItem(str)
        itm.Tag = 0
        ctlSentMessages.Items.Insert(0, itm)
    End If

    ' Reset Cursor
    System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.Default
    End Sub

```

```

    Public Sub sendSMS(ByVal recipient As String, ByVal status As
String)

        Dim objSmsMessage As SmsMessage = New SmsMessage
        Dim strMessageReference As String

        objSmsMessage.Clear()

        If status = "formatsalah" Then
            'nomer penerima
            objSmsMessage.Recipient = recipient

            'pesan
            objSmsMessage.Data = "Format SMS salah. Ketik
OWNER_NAME<spasi>status"
        ElseIf status = "formatlampusalah" Then
            'nomer penerima
            objSmsMessage.Recipient = recipient

            'pesan

```

```

        objSmsMessage.Data = "Format Status Lampu Salah.
Contoh : 1111"
    ElseIf status = "nomorunknown" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "No Anda Tidak Terdaftar"
    ElseIf status = "berhasil" Then
        'nomer penerima
        objSmsMessage.Recipient = recipient

        'pesan
        objSmsMessage.Data = "Perintah Behasil Dilaksanakan"
    ElseIf status = "cekstatus" Then
        objSmsMessage.Recipient = recipient
        objSmsMessage.Data = "Lampu 1 = " + lampStat1 + ",
Lampu 2 = " + lampStat2 + ", Lampu 3 = " + lampStat3 + ", Lampu 4
= " + lampStat4 + ""
    End If

    objSmsMessage.Format = objConstants.asMESSAGEFORMAT_TEXT
    If (objSendOptionsForm.bDeliveryReport) Then
        objSmsMessage.RequestDeliveryStatus = -1
    Else
        objSmsMessage.RequestDeliveryStatus = 0
    End If

    If (ctlUnicode.Checked) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE
        If (objSendOptionsForm.bImmediateDisplay) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE_FLASH
        End If
        If (objSendOptionsForm.bMultipart) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE_MULTIPART
        End If
    Else
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT
        If (objSendOptionsForm.bImmediateDisplay) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT_FLASH
        End If
        If (objSendOptionsForm.bMultipart) Then
            objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT_MULTIPART
        End If
    End If
    If (objSendOptionsForm.bUDH) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_DATA_UDH
    End If

```

```

objGsmProtocol.Clear()
objGsmProtocol.Device = ctlDevices.SelectedItem.ToString()
If ctlDeviceSpeed.SelectedIndex = 0 Then
    objGsmProtocol.DeviceSpeed = 0
Else
    objGsmProtocol.DeviceSpeed =
System.Int32.Parse(ctlDeviceSpeed.SelectedItem.ToString())
End If
' Set Logfile (optional, for debugging purposes)
' objGsmProtocol.LogFile = ctlLogFile.Text

' Set Cursor
System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.WaitCursor

' Send the message !
strMessageReference = objGsmProtocol.Send(objSmsMessage)
UpdateResult(objGsmProtocol.LastError)
If (objGsmProtocol.LastError = 0) Then
    Dim str(4) As String
    Dim itm As ListViewItem

    str(0) = strMessageReference
    str(1) = objSmsMessage.Recipient
    str(2) = "n/a"
    str(3) = "Submitted"
    itm = New ListViewItem(str)
    itm.Tag = 0
    ctlSentMessages.Items.Insert(0, itm)

End If

' Reset Cursor
System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.Default
End Sub
Private Sub ctlReceive_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles ctlReceive.Click
    Refreshs()
End Sub

```

```

Private Sub ctlReceiveOptions_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ctlReceiveOptions.Click
    objGsmReceiveOptionsForm.ShowDialog()
End Sub
Private Sub UpdateResult(ByVal numResult As System.Int32)
    ctlResult.Text = numResult.ToString() & ": " &
objGsmProtocol.GetErrorDescription(numResult)
End Sub

```

```

    Private Sub ctlView_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles ctlView.Click
        If (System.IO.File.Exists(ctlLogFile.Text)) Then
            System.Diagnostics.Process.Start(ctlLogFile.Text)
        End If
    End Sub

```

```

    Private Sub ctlPincode_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles ctlPincode.Click
        If (objPincodeForm.ShowDialog() = DialogResult.OK And
objPincodeForm.strPincode <> "") Then

            ' Device
            objGsmProtocol.Device =
ctlDevices.SelectedItem.ToString()

            ' Device speed
            If ctlDeviceSpeed.SelectedIndex = 0 Then
                objGsmProtocol.DeviceSpeed = 0
            Else
                objGsmProtocol.DeviceSpeed =
System.Int32.Parse(ctlDeviceSpeed.SelectedItem.ToString())
            End If

            ' Set Logfile (optional, for debugging purposes)
            objGsmProtocol.LogFile = ctlLogFile.Text

            ' Set Cursor
            System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.WaitCursor

            objGsmProtocol.EnterPin(objPincodeForm.strPincode)
            UpdateResult(objGsmProtocol.LastError)

            ' Reset Cursor
            System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.Default

        End If
    End Sub

```

```

    Private Sub ctlSend_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles ctlSend.Click
        Dim objSmsMessage As SmsMessage = New SmsMessage
        Dim strMessageReference As String

        objSmsMessage.Clear()

        'nomer penerima
        objSmsMessage.Recipient = ctlRecipient.Text

        'pesan
        objSmsMessage.Data = ctlMessage.Text

```

```

objSmsMessage.Format = objConstants.asMESSAGEFORMAT_TEXT
If (objSendOptionsForm.bDeliveryReport) Then
    objSmsMessage.RequestDeliveryStatus = -1
Else
    objSmsMessage.RequestDeliveryStatus = 0
End If

If (ctlUnicode.Checked) Then
    objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE
    If (objSendOptionsForm.bImmediateDisplay) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE_FLASH
    End If
    If (objSendOptionsForm.bMultipart) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_UNICODE_MULTIPART
    End If
Else
    objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT
    If (objSendOptionsForm.bImmediateDisplay) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT_FLASH
    End If
    If (objSendOptionsForm.bMultipart) Then
        objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_TEXT_MULTIPART
    End If
End If
If (objSendOptionsForm.bUDH) Then
    objSmsMessage.Format =
objConstants.asMESSAGEFORMAT_DATA_UDH
End If

objGsmProtocol.Clear()
objGsmProtocol.Device = ctlDevices.SelectedItem.ToString()
If ctlDeviceSpeed.SelectedIndex = 0 Then
    objGsmProtocol.DeviceSpeed = 0
Else
    objGsmProtocol.DeviceSpeed =
System.Int32.Parse(ctlDeviceSpeed.SelectedItem.ToString())
End If
' Set Logfile (optional, for debugging purposes)
' objGsmProtocol.LogFile = ctlLogFile.Text

' Set Cursor
System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.WaitCursor

' Send the message !
strMessageReference = objGsmProtocol.Send(objSmsMessage)
UpdateResult(objGsmProtocol.LastError)
If (objGsmProtocol.LastError = 0) Then
    Dim str(4) As String

```

```

        Dim itm As ListViewItem

        str(0) = strMessageReference
        str(1) = objSmsMessage.Recipient
        str(2) = "n/a"
        str(3) = "Submitted"
        itm = New ListViewItem(str)
        itm.Tag = 0
        ctlSentMessages.Items.Insert(0, itm)
    End If

    ' Reset Cursor
    System.Windows.Forms.Cursor.Current =
System.Windows.Forms.Cursors.Default
    End Sub

```

```

    Private Sub ctlSendOptions_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
ctlSendOptions.Click
        objSendOptionsForm.ShowDialog()
    End Sub

    Private Sub ctlWapPush_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles ctlWapPush.Click
        If (objWapForm.ShowDialog() = DialogResult.OK) Then
            ctlMessage.Text = objWapForm.strWAPCoding
            objSendOptionsForm.bUDH = True
        End If
    End Sub

    Private Sub ctlRingTone_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles ctlRingTone.Click
        If (objRingtoneForm.ShowDialog() = DialogResult.OK) Then
            ctlMessage.Text = objRingtoneForm.strHexRingtoneCoding
            objSendOptionsForm.bUDH = True
        End If
    End Sub

```

```

    Private Sub ctlPicture_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles ctlPicture.Click
        If (objPictureForm.ShowDialog() = DialogResult.OK) Then
            ctlMessage.Text = objPictureForm.strPictureCoding
            objSendOptionsForm.bUDH = True
        End If
    End Sub

    Private Sub test2(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        loadHistory
    End Sub

    Public Sub loadHistory()
        Dim cmd As New SqlCommand()
        Dim da As New SqlDataAdapter(cmd)

```



```

Dim dReader As SqlDataReader
Dim ds As New DataSet

cmd.Connection = conn
conn.Open()

cmd.CommandText = "select * from tbInbox"
cmd.CommandType = CommandType.Text

da.Fill(ds, "inbox")
DataGridView1.DataSource = ds.Tables(0)

conn.Close()
End Sub

```

```

Private Sub time_tick(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles Timer1.Tick
    TrackBar1.Value = TrackBar1.Value - 1

    If (TrackBar1.Value <= 0) Then
        Refreshs()
        loadHistory()
        loadStatLamp()
        TrackBar1.Value = 1
    End If
End Sub

Private Sub ceklampu(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles viewLampu.Click
    loadStatLamp()
End Sub

```

```

Public Sub loadStatLamp()
    Dim cmd As New SqlCommand()
    Dim da As New SqlDataAdapter(cmd)
    Dim dReader As SqlDataReader
    Dim ds As New DataSet

    cmd.Connection = conn
    conn.Open()

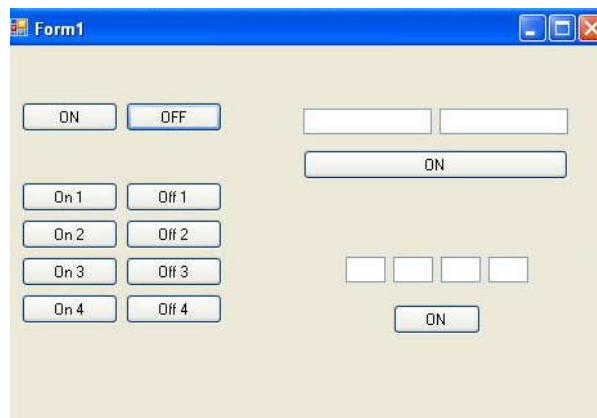
    cmd.CommandText = "SELECT * FROM TbStatLamp"
    cmd.CommandType = CommandType.Text
    cmd.ExecuteNonQuery()

    da.Fill(ds, "statlamp")
    DataGridView2.DataSource = ds.Tables(0)
    dReader = cmd.ExecuteReader()

```

```
If (dReader.Read) Then
    lampStat1 = dReader(0)
    lampStat2 = dReader(1)
    lampStat3 = dReader(2)
    lampStat4 = dReader(3)
End If

dReader.Close()
conn.Close()
End Sub
End Class
```



```
Option Strict On
Option Explicit On
Imports System.Data
Imports System.Data.SqlClient
Imports AXmsCtrl
```

```
Module InpOut32_declarations
    Public Declare Function Inp Lib "inpout32.dll" Alias "Inp32"
    (ByVal PortAddress As Short) As Short
    Public Declare Sub out Lib "inpout32.dll" Alias "Out32" (ByVal
    PortAddress As Short, ByVal value As Short)
End Module
```

```
Public Class Form1
    Dim l1 As Boolean = False
    Dim l2 As Boolean = False
    Dim l3 As Boolean = False
    Dim l4 As Boolean = False
    Dim port As Short = "&H378"
    Public conn As New SqlConnection("Data
    Source=.\SQLEXPRESS;Initial Catalog=dbSaklar;Integrated
    Security=True")
    Private Sub Query(ByVal lampu1 As String, ByVal lampu2 As
    String, ByVal lampu3 As String, ByVal lampu4 As String)
        Dim cmd As New SqlCommand()
        Dim da As New SqlDataAdapter(cmd)
        Dim dReader As SqlDataReader

        cmd.Connection = conn
        conn.Open()

        cmd.CommandText = "UPDATE TbStatLamp SET Lampu1 = '" +
        lampu1 + "', Lampu2 = '" + lampu2 + "', Lampu3 = '" + lampu3 + "',
        Lampu4 = '" + lampu4 + "'"
        cmd.CommandType = CommandType.Text
```

```

Dim rows As Integer
rows = cmd.ExecuteNonQuery()

```

```

conn.Close()

```

```

End Sub

```

```

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    out(port, 0)
    l1 = False
    l2 = False
    l3 = False
    l4 = False
End Sub

```

```

Private Sub onLamp1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnLamp1.Click
    '1 1 1 1
    '8 4 2 1
    If l4 = False And l3 = False And l2 = False And l1 = False
Then
        '0 0 0 0 --> 0
        '--->
        '0 0 0 1 --> 1
        out(port, 1)
        Query("off", "off", "off", "on")
    ElseIf l4 = False And l3 = False And l2 = False And l1 =
True Then
        '0 0 0 1 --> 1
        '--->
        '0 0 0 1 --> 1
        out(port, 1)
        Query("off", "off", "off", "on")
    ElseIf l4 = False And l3 = False And l2 = True And l1 =
False Then
        '0 0 1 0 --> 2
        '--->
        '0 0 1 1 --> 3
        out(port, 3)
        Query("off", "off", "on", "on")
    ElseIf l4 = False And l3 = False And l2 = True And l1 =
True Then
        '0 0 1 1 --> 3
        '--->
        '0 0 1 1 --> 3
        out(port, 3)
        Query("off", "off", "on", "on")
    ElseIf l4 = False And l3 = True And l2 = False And l1 =
False Then
        '0 1 0 0 --> 4
        '--->
        '0 1 0 1 --> 5
        out(port, 5)

```

```

        Query("off", "on", "off", "on")
    ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
        '0 1 0 1 --> 5
        '--->
        '0 1 0 1 --> 5
        out(port, 5)
        Query("off", "on", "off", "on")
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
        '0 1 1 0 --> 6
        '--->
        '0 1 1 1 --> 7
        out(port, 7)
        Query("off", "on", "on", "on")
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '--->
        '0 1 1 1 --> 7
        out(port, 7)
        Query("off", "on", "on", "on")

        ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '--->
        '1 0 0 1 --> 9
        out(port, 9)
        Query("on", "off", "off", "on")
    ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
        '1 0 0 1 --> 9
        '--->
        '1 0 0 1 --> 9
        out(port, 9)
        Query("on", "off", "off", "on")
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
        '1 0 1 0 --> 10
        '--->
        '1 0 1 1 --> 11
        out(port, 11)
        Query("on", "off", "on", "on")
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
        '1 0 1 1 --> 11
        '--->
        '1 0 1 1 --> 11
        out(port, 11)
        Query("on", "off", "on", "on")
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
        '1 1 0 0 --> 12
        '--->
        '1 1 0 1 --> 13

```

```

        out(port, 13)
        Query("on", "on", "off", "on")
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
        '1 1 0 1 --> 13
        '--->
        '1 1 0 1 --> 13
        out(port, 13)
        Query("on", "on", "off", "on")
    ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
        '1 1 1 0 --> 14
        '--->
        '1 1 1 1 --> 15
        out(port, 15)
        Query("on", "on", "on", "on")
    ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
        '1 1 1 1 --> 15
        '--->
        '1 1 1 1 --> 15
        out(port, 15)
        Query("on", "on", "on", "on")
    End If
    11 = True
End Sub

```

```

    Private Sub onLamp2(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnLamp2.Click
        If 14 = False And 13 = False And 12 = False And 11 = False
Then
            '0 0 0 0 --> 0
            '--->
            '0 0 1 0 --> 2
            out(port, 2)
        ElseIf 14 = False And 13 = False And 12 = False And 11 =
True Then
            '0 0 0 1 --> 1
            '--->
            '0 0 1 1 --> 3
            out(port, 3)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
False Then
            '0 0 1 0 --> 2
            '--->
            '0 0 1 0 --> 2
            out(port, 2)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
True Then
            '0 0 1 1 --> 3
            '--->
            '0 0 1 1 --> 3
            out(port, 3)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
False Then

```

```

        '0 1 0 0 --> 4
        '-->
        '0 1 1 0 --> 6
        out(port, 6)
    ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
        '0 1 0 1 --> 5
        '-->
        '0 1 1 1 --> 7
        out(port, 7)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
        '0 1 1 0 --> 6
        '-->
        '0 1 1 0 --> 6
        out(port, 6)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '-->
        '0 1 1 1 --> 7
        out(port, 7)

    ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '-->
        '1 0 1 0 --> 10
        out(port, 10)
    ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
        '1 0 0 1 --> 9
        '-->
        '1 0 1 1 --> 11
        out(port, 11)
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
        '1 0 1 0 --> 10
        '-->
        '1 0 1 0 --> 10
        out(port, 10)
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
        '1 0 1 1 --> 11
        '-->
        '1 0 1 1 --> 11
        out(port, 11)
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
        '1 1 0 0 --> 12
        '-->
        '1 1 1 0 --> 14
        out(port, 14)
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
        '1 1 0 1 --> 13

```

```

        '--->
        '1 1 1 1 --> 15
        out(port, 15)
    ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
        '1 1 1 0 --> 14
        '--->
        '1 1 1 0 --> 14
        out(port, 14)
    ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
        '1 1 1 1 --> 15
        '--->
        '1 1 1 1 --> 15
        out(port, 15)
    End If
    12 = True
End Sub

```

```

    Private Sub onLamp3(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnLamp3.Click
        If 14 = False And 13 = False And 12 = False And 11 = False
Then
            '0 0 0 0 --> 0
            '--->
            '0 1 0 0 --> 4
            out(port, 4)
        ElseIf 14 = False And 13 = False And 12 = False And 11 =
True Then
            '0 0 0 1 --> 1
            '--->
            '0 1 0 1 --> 5
            out(port, 5)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
False Then
            '0 0 1 0 --> 2
            '--->
            '0 1 1 0 --> 6
            out(port, 6)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
True Then
            '0 0 1 1 --> 3
            '--->
            '0 1 1 1 --> 7
            out(port, 7)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
False Then
            '0 1 0 0 --> 4
            '--->
            '0 1 0 0 --> 4
            out(port, 4)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
            '0 1 0 1 --> 5
            '--->

```



```

        '0 1 0 1 --> 5
        out(port, 5)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
        '0 1 1 0 --> 6
        '--->
        '0 1 1 0 --> 6
        out(port, 6)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '--->
        '0 1 1 1 --> 7
        out(port, 7)

    ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '--->
        '1 1 0 0 --> 12
        out(port, 12)
    ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
        '1 0 0 1 --> 9
        '--->
        '1 1 0 1 --> 13
        out(port, 13)
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
        '1 0 1 0 --> 10
        '--->
        '1 1 1 0 --> 14
        out(port, 14)
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
        '1 0 1 1 --> 11
        '--->
        '1 1 1 1 --> 15
        out(port, 15)
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
        '1 1 0 0 --> 12
        '--->
        '1 1 0 0 --> 12
        out(port, 12)
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
        '1 1 0 1 --> 13
        '--->
        '1 1 0 1 --> 13
        out(port, 13)
    ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
        '1 1 1 0 --> 14
        '--->
        '1 1 1 0 --> 14

```

```

        out(port, 14)
    ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
        '1 1 1 1 --> 15
        '--->
        '1 1 1 1 --> 15
        out(port, 15)
    End If
    13 = True
End Sub

```

```

    Private Sub onLamp4(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnLamp4.Click
        If 14 = False And 13 = False And 12 = False And 11 = False
Then
            '0 0 0 0 --> 0
            '--->
            '1 0 0 0 --> 8
            out(port, 8)
        ElseIf 14 = False And 13 = False And 12 = False And 11 =
True Then
            '0 0 0 1 --> 1
            '--->
            '1 0 0 1 --> 9
            out(port, 9)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
False Then
            '0 0 1 0 --> 2
            '--->
            '1 0 1 0 --> 10
            out(port, 10)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
True Then
            '0 0 1 1 --> 3
            '--->
            '1 0 1 1 --> 11
            out(port, 11)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
False Then
            '0 1 0 0 --> 4
            '--->
            '1 1 0 0 --> 12
            out(port, 12)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
            '0 1 0 1 --> 5
            '--->
            '1 1 0 1 --> 13
            out(port, 13)
        ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
            '0 1 1 0 --> 6
            '--->
            '1 1 1 0 --> 14
            out(port, 14)

```

```

        ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '--->
        '1 1 1 1 --> 15
        out(port, 15)

        ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '--->
        '1 0 0 0 --> 8
        out(port, 8)
        ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
        '1 0 0 1 --> 9
        '--->
        '1 0 0 1 --> 9
        out(port, 9)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
        '1 0 1 0 --> 10
        '--->
        '1 0 1 0 --> 10
        out(port, 10)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
        '1 0 1 1 --> 11
        '--->
        '1 0 1 1 --> 11
        out(port, 11)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
        '1 1 0 0 --> 12
        '--->
        '1 1 0 0 --> 12
        out(port, 12)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
        '1 1 0 1 --> 13
        '--->
        '1 1 0 1 --> 13
        out(port, 13)
        ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
        '1 1 1 0 --> 14
        '--->
        '1 1 1 0 --> 14
        out(port, 14)
        ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
        '1 1 1 1 --> 15
        '--->
        '1 1 1 1 --> 15
        out(port, 15)
End If

```

```
    14 = True
End Sub
```

```
Private Sub onAll(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
    out(port, 15)
    11 = True
    12 = True
    13 = True
    14 = True
End Sub
```

```
Private Sub offLamp1(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnOff1.Click
    If 14 = False And 13 = False And 12 = False And 11 = False
Then
    '0 0 0 0 --> 0
    '--->
    '0 0 0 0 --> 0
    out(port, 0)
    ElseIf 14 = False And 13 = False And 12 = False And 11 =
True Then
    '0 0 0 1 --> 1
    '--->
    '0 0 0 0 --> 0
    out(port, 0)
    ElseIf 14 = False And 13 = False And 12 = True And 11 =
False Then
    '0 0 1 0 --> 2
    '--->
    '0 0 1 0 --> 2
    out(port, 2)
    ElseIf 14 = False And 13 = False And 12 = True And 11 =
True Then
    '0 0 1 1 --> 3
    '--->
    '0 0 1 0 --> 2
    out(port, 2)
    ElseIf 14 = False And 13 = True And 12 = False And 11 =
False Then
    '0 1 0 0 --> 4
    '--->
    '0 1 0 0 --> 4
    out(port, 4)
    ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
    '0 1 0 1 --> 5
    '--->
    '0 1 0 0 --> 4
    out(port, 4)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
    '0 1 1 0 --> 6
    '--->
```

```

        '0 1 1 0 --> 6
        out(port, 6)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '--->
        '0 1 1 0 --> 6
        out(port, 6)

        ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '--->
        '1 0 0 0 --> 8
        out(port, 8)
    ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
        '1 0 0 1 --> 9
        '--->
        '1 0 0 0 --> 8
        out(port, 8)
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
        '1 0 1 0 --> 10
        '--->
        '1 0 1 0 --> 10
        out(port, 10)
    ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
        '1 0 1 1 --> 11
        '--->
        '1 0 1 0 --> 10
        out(port, 10)
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
        '1 1 0 0 --> 12
        '--->
        '1 1 0 0 --> 12
        out(port, 12)
    ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
        '1 1 0 1 --> 13
        '--->
        '1 1 0 0 --> 12
        out(port, 12)
    ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
        '1 1 1 0 --> 14
        '--->
        '1 1 1 0 --> 14
        out(port, 14)
    ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
        '1 1 1 1 --> 15
        '--->
        '1 1 1 0 --> 14

```

```

        out(port, 14)
    End If
    l1 = False
End Sub

```

```

    Private Sub offLamp2(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnOff2.Click
        If l4 = False And l3 = False And l2 = False And l1 = False
Then
            '0 0 0 0 --> 0
            '--->
            '0 0 0 0 --> 0
            out(port, 0)
        ElseIf l4 = False And l3 = False And l2 = False And l1 =
True Then
            '0 0 0 1 --> 1
            '--->
            '0 0 0 1 --> 1
            out(port, 1)
        ElseIf l4 = False And l3 = False And l2 = True And l1 =
False Then
            '0 0 1 0 --> 2
            '--->
            '0 0 0 0 --> 0
            out(port, 0)
        ElseIf l4 = False And l3 = False And l2 = True And l1 =
True Then
            '0 0 1 1 --> 3
            '--->
            '0 0 0 1 --> 1
            out(port, 1)
        ElseIf l4 = False And l3 = True And l2 = False And l1 =
False Then
            '0 1 0 0 --> 4
            '--->
            '0 1 0 0 --> 4
            out(port, 4)
        ElseIf l4 = False And l3 = True And l2 = False And l1 =
True Then
            '0 1 0 1 --> 5
            '--->
            '0 1 0 1 --> 5
            out(port, 5)
        ElseIf l4 = False And l3 = True And l2 = True And l1 =
False Then
            '0 1 1 0 --> 6
            '--->
            '0 1 0 0 --> 4
            out(port, 4)
        ElseIf l4 = False And l3 = True And l2 = True And l1 =
True Then
            '0 1 1 1 --> 7
            '--->
            '0 1 0 1 --> 5
            out(port, 5)

```

```

        ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
            '1 0 0 0 --> 8
            '--->
            '1 0 0 0 --> 8
            out(port, 8)
        ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
            '1 0 0 1 --> 9
            '--->
            '1 0 0 1 --> 9
            out(port, 9)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
            '1 0 1 0 --> 10
            '--->
            '1 0 0 0 --> 8
            out(port, 8)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
            '1 0 1 1 --> 11
            '--->
            '1 0 0 1 --> 9
            out(port, 9)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
            '1 1 0 0 --> 12
            '--->
            '1 1 0 0 --> 12
            out(port, 12)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
            '1 1 0 1 --> 13
            '--->
            '1 1 0 1 --> 13
            out(port, 13)
        ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
            '1 1 1 0 --> 14
            '--->
            '1 1 0 0 --> 12
            out(port, 12)
        ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
            '1 1 1 1 --> 15
            '--->
            '1 1 0 1 --> 13
            out(port, 13)
        End If
        12 = False
    End Sub

```

```

Private Sub offLamp3(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnOff3.Click
    If 14 = False And 13 = False And 12 = False And 11 = False
Then
        '0 0 0 0 --> 0
        '--->
        '0 0 0 0 --> 0
        out(port, 0)
    ElseIf 14 = False And 13 = False And 12 = False And 11 =
True Then
        '0 0 0 1 --> 1
        '--->
        '0 0 0 1 --> 1
        out(port, 1)
    ElseIf 14 = False And 13 = False And 12 = True And 11 =
False Then
        '0 0 1 0 --> 2
        '--->
        '0 0 1 0 --> 2
        out(port, 2)
    ElseIf 14 = False And 13 = False And 12 = True And 11 =
True Then
        '0 0 1 1 --> 3
        '--->
        '0 0 1 1 --> 3
        out(port, 3)
    ElseIf 14 = False And 13 = True And 12 = False And 11 =
False Then
        '0 1 0 0 --> 4
        '--->
        '0 0 0 0 --> 0
        out(port, 0)
    ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
        '0 1 0 1 --> 5
        '--->
        '0 0 0 1 --> 1
        out(port, 1)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
        '0 1 1 0 --> 6
        '--->
        '0 0 1 0 --> 2
        out(port, 2)
    ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '--->
        '0 0 1 1 --> 3
        out(port, 3)

    ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '--->
        '1 0 0 0 --> 8

```



```

        out(port, 8)
        ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
            '1 0 0 1 --> 9
            '-->
            '1 0 0 1 --> 9
            out(port, 9)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
            '1 0 1 0 --> 10
            '-->
            '1 0 1 0 --> 10
            out(port, 10)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
            '1 0 1 1 --> 11
            '-->
            '1 0 1 1 --> 11
            out(port, 11)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
            '1 1 0 0 --> 12
            '-->
            '1 0 0 0 --> 8
            out(port, 8)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
            '1 1 0 1 --> 13
            '-->
            '1 0 0 1 --> 9
            out(port, 9)
        ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
            '1 1 1 0 --> 14
            '-->
            '1 0 1 0 --> 10
            out(port, 10)
        ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
            '1 1 1 1 --> 15
            '-->
            '1 0 1 1 --> 11
            out(port, 11)
        End If
        13 = False
    End Sub

```

```

    Private Sub offLamp4(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnOff4.Click
        If 14 = False And 13 = False And 12 = False And 11 = False
Then
            '0 0 0 0 --> 0
            '-->
            '0 0 0 0 --> 0
            out(port, 0)

```

```

        ElseIf 14 = False And 13 = False And 12 = False And 11 =
True Then
        '0 0 0 1 --> 1
        '--->
        '0 0 0 1 --> 1
        out(port, 1)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
False Then
        '0 0 1 0 --> 2
        '--->
        '0 0 1 0 --> 2
        out(port, 2)
        ElseIf 14 = False And 13 = False And 12 = True And 11 =
True Then
        '0 0 1 1 --> 3
        '--->
        '0 0 1 1 --> 3
        out(port, 3)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
False Then
        '0 1 0 0 --> 4
        '--->
        '0 1 0 0 --> 4
        out(port, 4)
        ElseIf 14 = False And 13 = True And 12 = False And 11 =
True Then
        '0 1 0 1 --> 5
        '--->
        '0 1 0 1 --> 5
        out(port, 5)
        ElseIf 14 = False And 13 = True And 12 = True And 11 =
False Then
        '0 1 1 0 --> 6
        '--->
        '0 1 1 0 --> 6
        out(port, 6)
        ElseIf 14 = False And 13 = True And 12 = True And 11 =
True Then
        '0 1 1 1 --> 7
        '--->
        '0 1 1 1 --> 7
        out(port, 7)

        ElseIf 14 = True And 13 = False And 12 = False And 11 =
False Then
        '1 0 0 0 --> 8
        '--->
        '0 0 0 0 --> 0
        out(port, 0)
        ElseIf 14 = True And 13 = False And 12 = False And 11 =
True Then
        '1 0 0 1 --> 9
        '--->
        '0 0 0 1 --> 1
        out(port, 1)

```

```

        ElseIf 14 = True And 13 = False And 12 = True And 11 =
False Then
            '1 0 1 0 --> 10
            '--->
            '0 0 1 0 --> 2
            out(port, 2)
        ElseIf 14 = True And 13 = False And 12 = True And 11 =
True Then
            '1 0 1 1 --> 11
            '--->
            '0 0 1 1 --> 3
            out(port, 3)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
False Then
            '1 1 0 0 --> 12
            '--->
            '0 1 0 0 --> 4
            out(port, 4)
        ElseIf 14 = True And 13 = True And 12 = False And 11 =
True Then
            '1 1 0 1 --> 13
            '--->
            '0 1 0 1 --> 5
            out(port, 5)
        ElseIf 14 = True And 13 = True And 12 = True And 11 =
False Then
            '1 1 1 0 --> 14
            '--->
            '0 1 1 0 --> 6
            out(port, 6)
        ElseIf 14 = True And 13 = True And 12 = True And 11 = True
Then
            '1 1 1 1 --> 15
            '--->
            '0 1 1 1 -->7
            out(port, 7)
        End If
        14 = False
    End Sub

```

```

Private Sub generateOn(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnON.Click
    'MessageBox.Show(11.ToString() + " " + 12.ToString() + " "
+ 13.ToString() + " " + 14.ToString())
    Dim lamp1 As String = txtLamp1.Text
    Dim lamp2 As String = txtLamp2.Text

    Dim statusSplit(3) As String
    Dim statusLamp(3) As Integer
    Dim portNew As Integer

    portNew = 0

    statusSplit(0) = 11.ToString()
    statusSplit(1) = 12.ToString()

```

```

statusSplit(2) = 13.ToString()
statusSplit(3) = 14.ToString()

If lamp1 = "1" And lamp2 = "1" Then
    statusSplit(0) = "True"
    statusSplit(0) = "True"

    l1 = True
    l1 = True

ElseIf lamp1 = "1" And lamp2 = "2" Then
    statusSplit(0) = "True"
    statusSplit(1) = "True"

    l1 = True
    l2 = True

ElseIf lamp1 = "1" And lamp2 = "3" Then
    statusSplit(0) = "True"
    statusSplit(2) = "True"

    l1 = True
    l3 = True

ElseIf lamp1 = "1" And lamp2 = "4" Then
    statusSplit(0) = "True"
    statusSplit(3) = "True"

    l1 = True
    l4 = True

End If

If lamp1 = "2" And lamp2 = "1" Then
    statusSplit(1) = "True"
    statusSplit(0) = "True"

    l2 = True
    l1 = True

ElseIf lamp1 = "2" And lamp2 = "2" Then
    statusSplit(1) = "True"
    statusSplit(1) = "True"

    l2 = True
    l2 = True

ElseIf lamp1 = "2" And lamp2 = "3" Then
    statusSplit(1) = "True"
    statusSplit(2) = "True"

    l2 = True
    l3 = True

ElseIf lamp1 = "2" And lamp2 = "4" Then
    statusSplit(1) = "True"

```

```

        statusSplit(3) = "True"

        l2 = True
        l4 = True
    End If

    If lamp1 = "3" And lamp2 = "1" Then
        statusSplit(2) = "True"
        statusSplit(0) = "True"

        l3 = True
        l1 = True

    ElseIf lamp1 = "3" And lamp2 = "2" Then
        statusSplit(2) = "True"
        statusSplit(1) = "True"

        l3 = True
        l2 = True
    ElseIf lamp1 = "3" And lamp2 = "3" Then
        statusSplit(2) = "True"
        statusSplit(2) = "True"

        l3 = True
        l3 = True
    ElseIf lamp1 = "3" And lamp2 = "4" Then
        statusSplit(2) = "True"
        statusSplit(3) = "True"

        l3 = True
        l4 = True

    End If

    If lamp1 = "4" And lamp2 = "1" Then
        statusSplit(3) = "True"
        statusSplit(0) = "True"

        l4 = True
        l1 = True

    ElseIf lamp1 = "4" And lamp2 = "2" Then
        statusSplit(3) = "True"
        statusSplit(1) = "True"

        l4 = True
        l2 = True

    ElseIf lamp1 = "4" And lamp2 = "3" Then
        statusSplit(3) = "True"
        statusSplit(2) = "True"

        l4 = True
        l3 = True

    ElseIf lamp1 = "4" And lamp2 = "4" Then

```

```

        statusSplit(3) = "True"
        statusSplit(3) = "True"

        14 = True
        14 = True
    End If

'////////////////////////////////////

    If statusSplit(0) = "True" Then
        statusLamp(0) = 1
    ElseIf statusSplit(0) = "False" Then
        statusLamp(0) = 0
    End If

    If statusSplit(1) = "True" Then
        statusLamp(1) = 2
    ElseIf statusSplit(1) = "False" Then
        statusLamp(1) = 0
    End If

    If statusSplit(2) = "True" Then
        statusLamp(2) = 4
    ElseIf statusSplit(2) = "False" Then
        statusLamp(2) = 0
    End If

    If statusSplit(3) = "True" Then
        statusLamp(3) = 8
    ElseIf statusSplit(3) = "False" Then
        statusLamp(3) = 0
    End If

    portNew = statusLamp(0) + statusLamp(1) + statusLamp(2) +
statusLamp(3)

    out(port, CShort(portNew))
    'MessageBox.Show(portNew.ToString())
End Sub

```

```

    Private Sub onLoadLamp(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles MyBase.Load
        out(port, 0)
    End Sub

```

```

    Private Sub onThreeLamp(ByVal sender As System.Object, ByVal e
As System.EventArgs) Handles btnOn3.Click
        Dim lamp1 As String = txtOnn1.Text
        Dim lamp2 As String = txtOnn2.Text
        Dim lamp3 As String = txtOnn3.Text
        Dim lamp4 As String = txtOnn4.Text

        Dim statusSplit(3) As String

```

```

Dim statusLamp(3) As Integer
Dim portNew As Integer = 0

statusSplit(0) = 11.ToString()
statusSplit(1) = 12.ToString()
statusSplit(2) = 13.ToString()
statusSplit(3) = 14.ToString()

If lamp1 = "0" And lamp2 = "0" And lamp3 = "0" And lamp4 =
"0" Then
    statusSplit(0) = "False"
    statusSplit(1) = "False"
    statusSplit(2) = "False"
    statusSplit(3) = "False"

    l1 = False
    l2 = False
    l3 = False
    l4 = False

    Query("off", "off", "off", "off")

ElseIf lamp1 = "0" And lamp2 = "0" And lamp3 = "0" And
lamp4 = "1" Then
    statusSplit(0) = "False"
    statusSplit(1) = "False"
    statusSplit(2) = "False"
    statusSplit(3) = "True"

    l1 = False
    l2 = False
    l3 = False
    l4 = True
    Query("off", "off", "off", "on")
ElseIf lamp1 = "0" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "0" Then
    statusSplit(0) = "False"
    statusSplit(1) = "False"
    statusSplit(2) = "True"
    statusSplit(3) = "False"

    l1 = False
    l2 = False
    l3 = True
    l4 = False
    Query("off", "off", "on", "off")
ElseIf lamp1 = "0" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "1" Then
    statusSplit(0) = "False"
    statusSplit(1) = "False"
    statusSplit(2) = "True"
    statusSplit(3) = "True"

    l1 = False
    l2 = False
    l3 = True

```

```

        14 = True
        Query("off", "off", "on", "on")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "0" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "False"

        11 = False
        12 = True
        13 = False
        14 = False
        Query("off", "on", "off", "off")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "1" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "True"

        11 = False
        12 = True
        13 = False
        14 = True
        Query("off", "on", "off", "on")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "0" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "False"

        11 = False
        12 = True
        13 = True
        14 = False
        Query("off", "on", "on", "off")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "1" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "True"

        11 = False
        12 = True
        13 = True
        14 = True
        Query("off", "on", "on", "on")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "0" And
lamp4 = "0" Then
        statusSplit(0) = "True"
        statusSplit(1) = "False"
        statusSplit(2) = "False"
        statusSplit(3) = "False"

```



```

    l1 = True
    l2 = False
    l3 = False
    l4 = False
    Query("on", "off", "off", "off")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "0" And
lamp4 = "1" Then
    statusSplit(0) = "True"
    statusSplit(1) = "False"
    statusSplit(2) = "False"
    statusSplit(3) = "True"

    l1 = True
    l2 = False
    l3 = False
    l4 = True
    Query("on", "off", "off", "on")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "0" Then
    statusSplit(0) = "True"
    statusSplit(1) = "False"
    statusSplit(2) = "True"
    statusSplit(3) = "False"

    l1 = True
    l2 = False
    l3 = True
    l4 = False
    Query("on", "off", "on", "off")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "1" Then
    statusSplit(0) = "True"
    statusSplit(1) = "False"
    statusSplit(2) = "True"
    statusSplit(3) = "True"

    l1 = True
    l2 = False
    l3 = True
    l4 = True
    Query("on", "off", "on", "on")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "0" Then
    statusSplit(0) = "True"
    statusSplit(1) = "True"
    statusSplit(2) = "False"
    statusSplit(3) = "False"

    l1 = True
    l2 = True
    l3 = False
    l4 = False
    Query("on", "on", "off", "off")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "1" Then

```

```

        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "True"

        l1 = True
        l2 = True
        l3 = False
        l4 = True
        Query("on", "on", "off", "on")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "0" Then
        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "False"

        l1 = True
        l2 = True
        l3 = True
        l4 = False
        Query("on", "on", "on", "off")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "1" Then
        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "True"

        l1 = True
        l2 = True
        l3 = True
        l4 = True
        Query("on", "on", "on", "on")

End If
'//////////
If statusSplit(0) = "True" Then
    statusLamp(0) = 1
ElseIf statusSplit(0) = "False" Then
    statusLamp(0) = 0
End If

If statusSplit(1) = "True" Then
    statusLamp(1) = 2
ElseIf statusSplit(1) = "False" Then
    statusLamp(1) = 0
End If

If statusSplit(2) = "True" Then
    statusLamp(2) = 4
ElseIf statusSplit(2) = "False" Then
    statusLamp(2) = 0
End If

If statusSplit(3) = "True" Then

```

```

        statusLamp(3) = 8
    ElseIf statusSplit(3) = "False" Then
        statusLamp(3) = 0
    End If

    portNew = statusLamp(0) + statusLamp(1) + statusLamp(2) +
statusLamp(3)

    out(port, CShort(portNew))

    'GenLamp(txtOnn1.Text, txtOnn2.Text, txtOnn3.Text,
txtOnn4.Text)
    End Sub

```

```

    Public Sub GenLamp(ByVal lp1 As String, ByVal lp2 As String,
ByVal lp3 As String, ByVal lp4 As String)
        Dim lamp1 As String = lp1
        Dim lamp2 As String = lp2
        Dim lamp3 As String = lp3
        Dim lamp4 As String = lp4

        Dim statusSplit(3) As String
        Dim statusLamp(3) As Integer
        Dim portNew As Integer = 0

        statusSplit(0) = 11.ToString()
        statusSplit(1) = 12.ToString()
        statusSplit(2) = 13.ToString()
        statusSplit(3) = 14.ToString()

        If lamp1 = "0" And lamp2 = "0" And lamp3 = "0" And lamp4 =
"0" Then
            statusSplit(0) = "False"
            statusSplit(1) = "False"
            statusSplit(2) = "False"
            statusSplit(3) = "False"

            l1 = False
            l2 = False
            l3 = False
            l4 = False

            Query("off", "off", "off", "off")

        ElseIf lamp1 = "0" And lamp2 = "0" And lamp3 = "0" And
lamp4 = "1" Then
            statusSplit(0) = "False"
            statusSplit(1) = "False"
            statusSplit(2) = "False"
            statusSplit(3) = "True"

            l1 = False
            l2 = False
            l3 = False
            l4 = True

```

```

        Query("off", "off", "off", "on")
    ElseIf lamp1 = "0" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "0" Then
        statusSplit(0) = "False"
        statusSplit(1) = "False"
        statusSplit(2) = "True"
        statusSplit(3) = "False"

        l1 = False
        l2 = False
        l3 = True
        l4 = False
        Query("off", "off", "on", "off")
    ElseIf lamp1 = "0" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "1" Then
        statusSplit(0) = "False"
        statusSplit(1) = "False"
        statusSplit(2) = "True"
        statusSplit(3) = "True"

        l1 = False
        l2 = False
        l3 = True
        l4 = True
        Query("off", "off", "on", "on")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "0" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "False"

        l1 = False
        l2 = True
        l3 = False
        l4 = False
        Query("off", "on", "off", "off")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "1" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "True"

        l1 = False
        l2 = True
        l3 = False
        l4 = True
        Query("off", "on", "off", "on")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "0" Then
        statusSplit(0) = "False"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "False"

```

```

    l1 = False
    l2 = True
    l3 = True
    l4 = False
    Query("off", "on", "on", "off")
    ElseIf lamp1 = "0" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "1" Then
    statusSplit(0) = "False"
    statusSplit(1) = "True"
    statusSplit(2) = "True"
    statusSplit(3) = "True"

    l1 = False
    l2 = True
    l3 = True
    l4 = True
    Query("off", "on", "on", "on")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "0" And
lamp4 = "0" Then
    statusSplit(0) = "True"
    statusSplit(1) = "False"
    statusSplit(2) = "False"
    statusSplit(3) = "False"

    l1 = True
    l2 = False
    l3 = False
    l4 = False
    Query("on", "off", "off", "off")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "0" And
lamp4 = "1" Then
    statusSplit(0) = "True"
    statusSplit(1) = "False"
    statusSplit(2) = "False"
    statusSplit(3) = "True"

    l1 = True
    l2 = False
    l3 = False
    l4 = True
    Query("on", "off", "off", "on")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "0" Then
    statusSplit(0) = "True"
    statusSplit(1) = "False"
    statusSplit(2) = "True"
    statusSplit(3) = "False"

    l1 = True
    l2 = False
    l3 = True
    l4 = False
    Query("on", "off", "on", "off")
    ElseIf lamp1 = "1" And lamp2 = "0" And lamp3 = "1" And
lamp4 = "1" Then
    statusSplit(0) = "True"

```

```

        statusSplit(1) = "False"
        statusSplit(2) = "True"
        statusSplit(3) = "True"

        l1 = True
        l2 = False
        l3 = True
        l4 = True
        Query("on", "off", "on", "on")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "0" Then
        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "False"

        l1 = True
        l2 = True
        l3 = False
        l4 = False
        Query("on", "on", "off", "off")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "0" And
lamp4 = "1" Then
        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "False"
        statusSplit(3) = "True"

        l1 = True
        l2 = True
        l3 = False
        l4 = True
        Query("on", "on", "off", "on")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "0" Then
        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "False"

        l1 = True
        l2 = True
        l3 = True
        l4 = False
        Query("on", "on", "on", "off")
    ElseIf lamp1 = "1" And lamp2 = "1" And lamp3 = "1" And
lamp4 = "1" Then
        statusSplit(0) = "True"
        statusSplit(1) = "True"
        statusSplit(2) = "True"
        statusSplit(3) = "True"

        l1 = True
        l2 = True
        l3 = True
        l4 = True

```

```

        Query("on", "on", "on", "on")

    End If
    '//////////
    If statusSplit(0) = "True" Then
        statusLamp(0) = 1
    ElseIf statusSplit(0) = "False" Then
        statusLamp(0) = 0
    End If

    If statusSplit(1) = "True" Then
        statusLamp(1) = 2
    ElseIf statusSplit(1) = "False" Then
        statusLamp(1) = 0
    End If

    If statusSplit(2) = "True" Then
        statusLamp(2) = 4
    ElseIf statusSplit(2) = "False" Then
        statusLamp(2) = 0
    End If

    If statusSplit(3) = "True" Then
        statusLamp(3) = 8
    ElseIf statusSplit(3) = "False" Then
        statusLamp(3) = 0
    End If

    portNew = statusLamp(0) + statusLamp(1) + statusLamp(2) +
statusLamp(3)

    out(port, CShort(portNew))
End Sub
End Class

```



```
Option Strict On
Option Explicit Off
```

```
Imports System.Data
Imports System.Data.SqlClient
Imports AXmsCtrl
```

```
Public Class frmPintu
    Public conn As New SqlConnection("Data
Source=.\SQLEXPRESS;Initial Catalog=dbSaklar;Integrated
Security=True")
    Public PintuStat As String
    Private Sub frmPintu_Load(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles MyBase.Load

        End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles Button2.Click

        End Sub
    Public Sub bukaPintu(ByVal sender As String)

        loadStatLamp()

        If PintuStat = "buka" Then
            Receive.testsms(sender, "gagalBuka")
        Else
            UpdatePintu("buka")
            Dim waktu As Integer
            waktu = 0
            While waktu <= 3
```



```

        out(&H378, 128)
        System.Threading.Thread.Sleep(80)
        out(&H378, 64)
        System.Threading.Thread.Sleep(80)
        out(&H378, 32)
        System.Threading.Thread.Sleep(80)
        out(&H378, 16)
        System.Threading.Thread.Sleep(80)
        waktu = waktu + 1
    End While
    Receive.testsms(sender, "berhasilBuka")
End If
End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal
e As System.EventArgs) Handles Button4.Click

    End Sub
    Public Sub genPintu(ByVal sender As String, ByVal status As
String)
        If status = "BUKA" Then
            bukaPintu(sender)
        ElseIf status = "TUTUP" Then
            tutupPintu(sender)
        End If
    End Sub

    Public Sub tutupPintu(ByVal sender As String)
        loadStatLamp()

        If PintuStat = "tutup" Then
            Receive.testsms(sender, "gagalTutup")
        Else
            UpdatePintu("tutup")
            Dim waktu As Integer
            waktu = 0
            While waktu <= 3
                out(&H378, 16)
                System.Threading.Thread.Sleep(80)
                out(&H378, 32)
                System.Threading.Thread.Sleep(80)
                out(&H378, 64)
                System.Threading.Thread.Sleep(80)
                out(&H378, 128)
                System.Threading.Thread.Sleep(80)
                waktu = waktu + 1
            End While
            Receive.testsms(sender, "berhasilTutup")
        End If
    End Sub

    Public Sub loadStatLamp()
        Dim cmd As New SqlCommand()
        Dim da As New SqlDataAdapter(cmd)
        Dim dReader As SqlDataReader
        Dim ds As New DataSet
    
```

```

cmd.Connection = conn
conn.Open()

cmd.CommandText = "SELECT * FROM TbPintu"
cmd.CommandType = CommandType.Text
cmd.ExecuteNonQuery()

da.Fill(ds, "statPintu")
dReader = cmd.ExecuteReader()

If (dReader.Read) Then
    PintuStat = dReader(0).ToString()
End If

dReader.Close()
conn.Close()

End Sub
Private Sub UpdatePintu(ByVal statusLampu As String)
    Dim cmd As New SqlCommand()
    Dim da As New SqlDataAdapter(cmd)

    cmd.Connection = conn
    conn.Open()

    cmd.CommandText = "UPDATE TbPintu SET StatusPintu = '" +
statusLampu + "'"
    cmd.CommandType = CommandType.Text

    Dim rows As Integer
    rows = cmd.ExecuteNonQuery()

    conn.Close()

End Sub
End Class

```