```vb
'Basic Terminal module
'Written by: M Adam Davis
'Modified by Dillian Wang, Mar 27 2004
'
'Purpose:
'It is a a simple program target on demonstrating the connection between two communication
'port using Visual Baisc. When the program start it will establish the connection between
'two communication port. Print out the characters that receive from RS232 Port on Text Board,
'and send the characters that the user type in. The Terminal is set to 9600 baud.



Option Explicit                           'forces variables to be explicitly declared


'when the program start establish the connection immediately
Private Sub FormLoad()
      ConnectTerminal
End Sub

'Terminal connection routine code
Sub ConnectTerminal()
    On Error Resume Next
    With MSComm
        If .PortOpen = True Then
            .PortOpen = False
        Else
            .PortOpen = True
            If Err.Number <> 0 Then
                MsgBox "Com" & .CommPort & " is not available." & vbCrLf & _
                                               Err.Description
                Err.Clear
            End If
        End If
    End With
End Sub

'when the program terminate, disconnect the connection
Private Sub FormUnload(Cancel As Integer)
    If (MSComm.PortOpen) Then
        MSComm.PortOpen = False
    End If
End Sub


'Info about the program
Private Sub mnuAbout_Click()
    MsgBox "Basic Terminal Program Version 0.01. " _
            & "It is a a simple program target on demonstrating the connection" _
            & " between two communication port. " _
             , , "About"
End Sub


'clear the terminal text board
Private Sub mnuClearLst_Click()
    txtResponse = ""
End Sub


'print out the characters received from RS232 port
Private Sub MSComm_OnComm()
    Dim txtBuf As String
    Dim i As Integer
```

```vb
    Dim c As Integer

    With MSComm1
        Select Case .CommEvent
            Case comEvReceive
                txtBuf = .Input
                For i = 1 To Len(txtBuf)
                    c = Asc(Mid(txtBuf, i, 1))

                    txtResponse = txtResponse & Chr(c)
                Next i
        End Select
    End With

    txtResponse.SelStart = Len(txtResponse)
    txtTextOut.SetFocus
End Sub

'send the character to the terminal
Private Sub txtTextOut_KeyPress(KeyAscii As Integer)
    MSComm1.Output = Chr(KeyAscii)
    txtTextOut.Text = ""
End Sub
```