

```
Imports System
```

```
Imports System.IO.Ports
```

```
Public Class Form1
```

```
    Dim comPORT As String
```

```
    Dim receivedData As String = ""
```

```
    Dim command_app_1 As String = "T,1,500,500>"
```

```
    Dim command_app_2 As String = "T,2,500,500>"
```

```
    Dim Stop_command As String = "E"
```

```
    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
        Timer1.Enabled = False
```

```
        comPORT = ""
```

```
        For Each sp As String In My.Computer.Ports.SerialPortNames
```

```
            ComboBox1.Items.Add(sp)
```

```
        Next
```

```
    End Sub
```

```
    Private Sub ComboBox_SelectedIndexChanged(sender As Object, e As EventArgs) ↗
```

```
        Handles ComboBox1.SelectedIndexChanged
```

```
        If (ComboBox1.SelectedItem <> "") Then
```

```
            comPORT = ComboBox1.SelectedItem
```

```
            Label1.Text = comPORT
```

```
        End If
```

```
    End Sub
```

```
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles ↗
```

```
        Button1.Click
```

```
        If (Button1.Text = "Connect") Then
```

```
            If (comPORT <> "") Then
```

```
                SerialPort1.Close()
```

```
                SerialPort1.PortName = comPORT
```

```
                SerialPort1.BaudRate = 9600
```

```
                SerialPort1.DataBits = 8
```

```
                SerialPort1.Parity = Parity.None
```

```
                SerialPort1.StopBits = StopBits.One
```

```
                SerialPort1.Handshake = Handshake.None
```

```
                SerialPort1.Encoding = System.Text.Encoding.Default
```

```
                SerialPort1.ReadTimeout = 10000
```

```
                SerialPort1.Open()
```

```
                SerialPort1.Write("C>")
```

```
                Button1.Text = "Dis-connect"
```

```
                Timer1.Enabled = True
```

```
                Label2.Text = "Timer: ON"
```

```
                Label7.Text = command_app_1
```

```
                Label8.Text = command_app_2
```

```
            Else
```

```
                MsgBox("Select a COM port first")
```

```
        End If
```

```
    Else
```

```
        SerialPort1.Close()
```

```
        Button1.Text = "Connect"
```

```
        Timer1.Enabled = False
```

```
        Label2.Text = "Timer: OFF"
    End If

End Sub

Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
    receivedData = ReceiveSerialData()
    RichTextBox1.Text &= receivedData

End Sub
Function ReceiveSerialData() As String
    Dim Incoming As String
    Try
        Incoming = SerialPort1.ReadExisting()
        If Incoming Is Nothing Then
            Return "nothing" & vbCrLf
        Else
            Return Incoming
        End If
    Catch ex As TimeoutException
        Return "Error: Serial Port read timed out."
    End Try
End Function

Private Sub Button3_Click(sender As Object, e As EventArgs) Handles Button3.Click
    RichTextBox1.Text = ""
End Sub

Private Sub Button4_Click(sender As Object, e As EventArgs) Handles Button4.Click
    SerialPort1.Write(command_app_1)
End Sub

Private Sub Button5_Click(sender As Object, e As EventArgs) Handles Button5.Click
    SerialPort1.Write(command_app_2)
End Sub

Private Sub Button6_Click(sender As Object, e As EventArgs) Handles Button6.Click
    SerialPort1.Write(Stop_command)
End Sub

Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
    SerialPort1.Close()
    Application.Exit()
End Sub

Private Sub Label7_Click(sender As Object, e As EventArgs)

End Sub

Private Sub Label14_Click(sender As Object, e As EventArgs) Handles Label14.Click
```

```
End Sub
```

```
Private Sub CheckBox1_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox1.CheckedChanged  
    If CheckBox1.CheckState = True Then  
        command_app_1 = "T,1,500,500>"  
        command_app_2 = "T,2,500,500>"  
    End If  
End Sub
```

```
Private Sub CheckBox2_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox2.CheckedChanged  
    If CheckBox2.Checked = True Then  
        command_app_1 = "T,1,500,100>"  
        command_app_2 = "T,2,500,100>"  
    End If  
End Sub
```

```
Private Sub CheckBox3_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox3.CheckedChanged  
    If CheckBox3.Checked = True Then  
        command_app_1 = "T,1,100,100>"  
        command_app_2 = "T,2,100,100>"  
    End If  
End Sub
```

```
Private Sub CheckBox4_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox4.CheckedChanged  
    If CheckBox4.Checked = True Then  
        command_app_1 = "T,1,100,50>"  
        command_app_2 = "T,2,100,50>"  
    End If  
End Sub
```

```
Private Sub CheckBox5_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox5.CheckedChanged  
    If CheckBox5.Checked Then  
        command_app_1 = "T,1,50,50>"  
        command_app_2 = "T,2,50,50>"  
        Label17.Text = "50 50"  
        Label18.Text = "50 50"  
    End If  
End Sub
```

```
Private Sub CheckBox6_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox6.CheckedChanged  
    If CheckBox6.Checked = True Then  
        command_app_1 = "T,1,50,20>"  
        command_app_2 = "T,2,50,20>"  
    End If  
End Sub
```

```
Private Sub CheckBox8_CheckedChanged(sender As Object, e As EventArgs) Handles ↗  
    CheckBox8.CheckedChanged  
    If CheckBox8.Checked = True Then
```

```

        command_app_1 = "T,1,10,10>"
        command_app_2 = "T,2,10,10>"
    End If
End Sub

Private Sub CheckBox7_CheckedChanged(sender As Object, e As EventArgs) Handles ↗
    CheckBox7.CheckedChanged
    If CheckBox7.Checked = True Then
        command_app_1 = "T,1,20,20>"
        command_app_2 = "T,2,20,20>"
    End If
End Sub

Private Sub CheckBox9_CheckedChanged(sender As Object, e As EventArgs) Handles ↗
    CheckBox9.CheckedChanged
    If CheckBox9.Checked = True Then
        command_app_1 = "T,1,5,5>"
        command_app_2 = "T,2,5,5>"
    End If
End Sub

Private Sub CheckBox10_CheckedChanged(sender As Object, e As EventArgs) Handles ↗
    CheckBox10.CheckedChanged
    If CheckBox10.Checked = True Then
        command_app_1 = "T,1,5,1>"
        command_app_2 = "T,2,5,1>"
    End If
End Sub

Private Sub Label7_Click_1(sender As Object, e As EventArgs) Handles ↗
    Label7.Click

End Sub
End Class

```

