Practical No 12

VIII. Resources required (Additional)

→ If any web resources required.
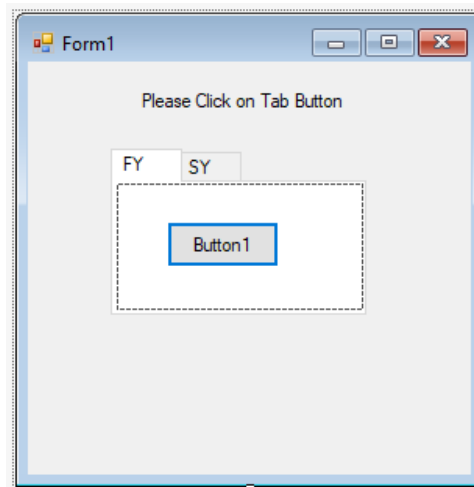
X. Resources used (Additional)

→ https://docs.microsoft.com/en-us/dotnet/api/system.windows.forms.tabcontrol

→ https://docs.microsoft.com/en-us/dotnet/api/system.timers.timer

XI. Program Code
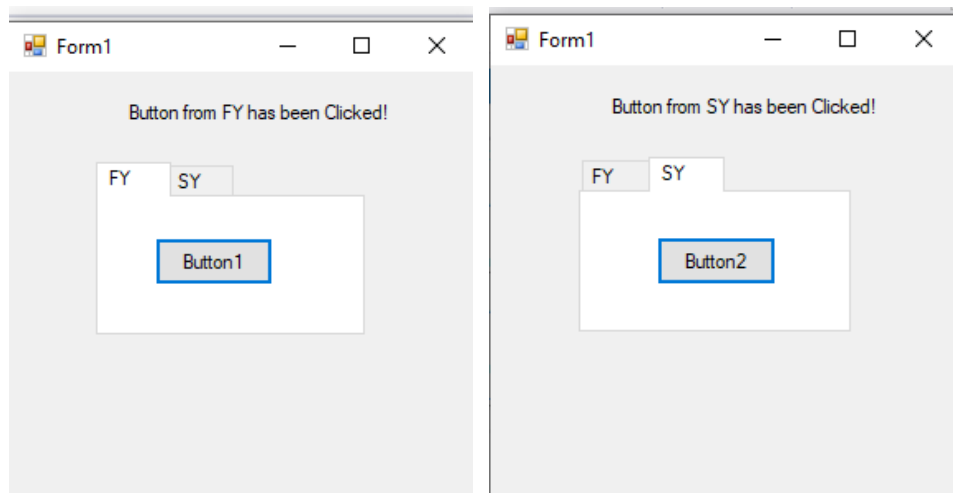
1. **Write a program using Tab Control.**

➢

Public Class Form1

   Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
     Label1.Text = "Button from FY has been Clicked!"
   End Sub

   Private Sub Button2_Click(sender As Object, e As EventArgs) Handles Button2.Click
     Label1.Text = "Button from SY has been Clicked!"
   End Sub
End Class

XII. Results (output of the program)

XIII. Practical related Questions

1. Write a procedure to display the icons on the Toolbar Control.

➢ ToolBar buttons are able to display icons within them for easy identification by users. This is achieved through adding images to the ImageList Component component and then associating the ImageList component with the ToolBar control.

To set an icon for a toolbar button programmatically
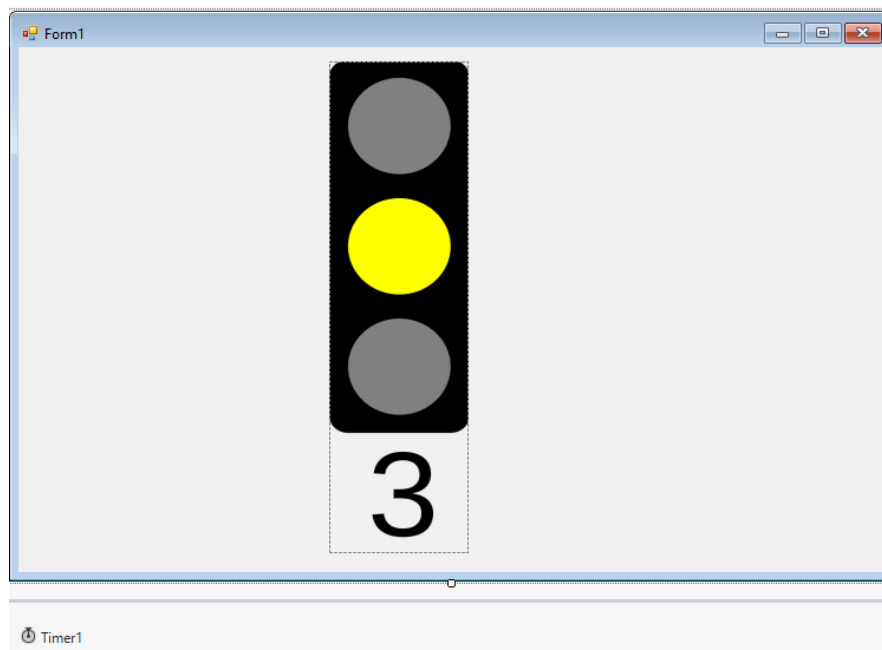
1. In a procedure, instantiate an ImageList component and a ToolBar control.
2. In the same procedure, assign an image to the ImageList component.
3. In the same procedure, assign the ImageList control to the ToolBar control and assign the ImageIndex property of the individual toolbar buttons.

2. Difference between Form and Panel Control in VB.NET

➢ Windows Forms Panel controls are used to provide an identifiable grouping for other controls. Typically, you use panels to subdivide a form by function. The Panel control is similar to the GroupBox control; however, only the Panel control can have scroll bars, and only the GroupBox control displays a caption.

XIV. Exercise

1. Write a program to display the traffic signal using timer control.


```vb
Public Class Form1

    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick
        If PictureBox1.Visible Then
            PictureBox1.Visible = False
            PictureBox2.Visible = True
            PictureBox3.Visible = False
        ElseIf PictureBox2.Visible Then
            PictureBox1.Visible = False
            PictureBox2.Visible = False
            PictureBox3.Visible = True
        ElseIf PictureBox3.Visible Then
```
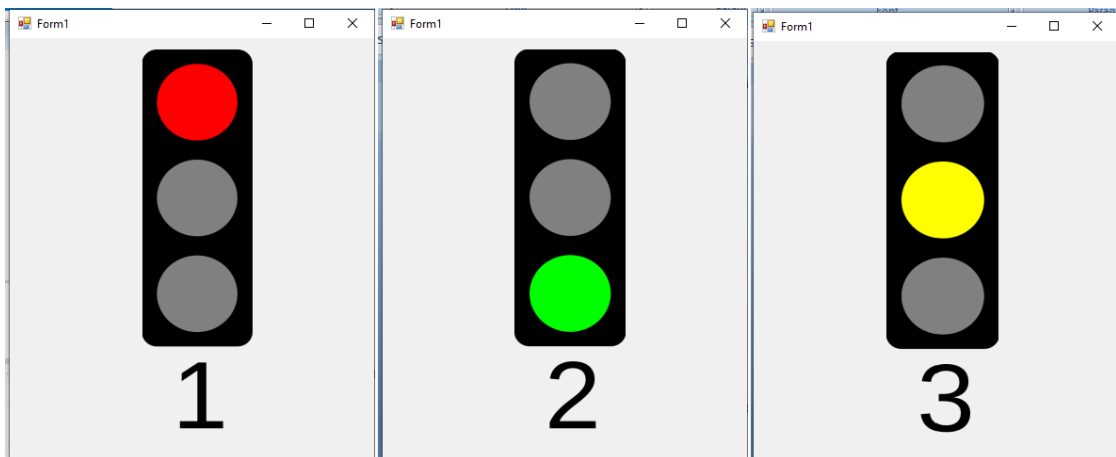
```vb
        PictureBox1.Visible = True
        PictureBox2.Visible = False
        PictureBox3.Visible = False
    End If
End Sub

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    Timer1.Enabled = True
    Timer1.Interval = 1600
    PictureBox1.Visible = True
    PictureBox2.Visible = False
    PictureBox3.Visible = False
End Sub

Private Sub PictureBox2_Click(sender As Object, e As EventArgs) Handles PictureBox2.Click

End Sub
End Class
```
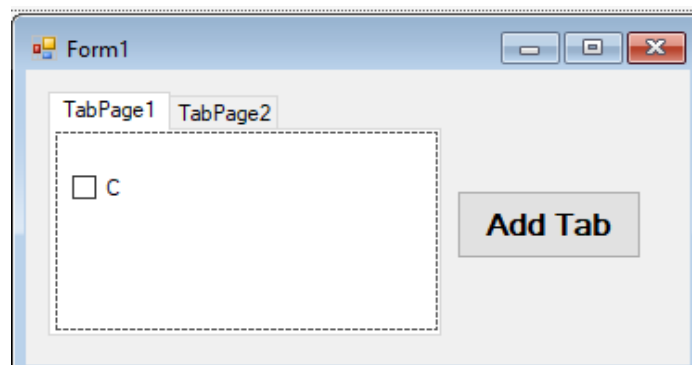
OUTPUT:

3. Write a program to demonstrate the Tab Control in VB.net.


```vb
Public Class Form1

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        TabPage1.Text = "FY"
        TabPage2.Text = "SY"
    End Sub
```

```vb
Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
    TabControl1.TabPages.Add("TY")
End Sub
End Class
```

OUTPUT: