

1. Design a VB.NET form to show Welcome Message though Label at form load time

```
Public Class p1

    Private Sub p1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
        Label1.Text = "Welcome"
    End Sub
End Class
```

2. Design a VB.NET Form accept any text from user into the TextBox and show in msgbox()

```
Public Class p2

    Private Sub btn_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btn.Click
        MsgBox("You have entered " + txt.Text)

    End Sub
End Class
```

3. Accept two numbers using Inputbox on the click of the button and display SUM of these two numbers using MsgBox

```
Public Class p3

    Private Sub txt_ans_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txt_ans.Click
        Dim a, b, c As Integer
        a = txt_n1.Text
        b = txt_n2.Text
        c = a + b
        MsgBox("Sum is " + c.ToString())
    End Sub
End Class
```

4. Design a form as shown below and perform the operations on the numbers entered.

```
Public Class p4

    Private Sub TextBox3_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles txt_res.TextChanged

        End Sub

    Private Sub btn_sum_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_sum.Click
        txt_res.Text = Val(txt_n1.Text) + Val(txt_n2.Text)

    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button2.Click
        txt_res.Text = Val(txt_n1.Text) - Val(txt_n2.Text)
    End Sub
```

```

Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button3.Click
    txt_res.Text = Val(txt_n1.Text) * Val(txt_n2.Text)
End Sub

Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button4.Click
    txt_res.Text = Val(txt_n1.Text) / Val(txt_n2.Text)
End Sub
End Class

```

7. Design a VB form as shown below to read the student data and generate the mark-sheet data. Clear the data when user clicks the "Clear" button. When user click on "Exit" then end the execution.

```

Public Class p7

Private Sub btn_gen_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_gen.Click
    txt_tot.Text = Val(txt_m1.Text) + Val(txt_m2.Text) + Val(txt_m3.Text) +
Val(txt_m4.Text) + Val(txt_m5.Text) + Val(txt_m6.Text)

    txt_per.Text = Val(txt_tot.Text) / 6

    If Val(txt_per.Text) >= 80 Then
        txt_grade.Text = "A"
    ElseIf Val(txt_per.Text) > 50 And Val(txt_per.Text) < 60 Then
        txt_grade.Text = "B"
    ElseIf Val(txt_per.Text) >= 35 And Val(txt_per.Text) < 50 Then
        txt_grade.Text = "C"
    Else
        txt_grade.Text = "FAIL"
    End If
End Sub

Private Sub btn_clear_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_clear.Click
    txt_m1.Clear()
    txt_m2.Clear()
    txt_m3.Clear()
    txt_m4.Clear()
    txt_m5.Clear()
    txt_m6.Clear()
    txt_grade.Clear()
    txt_nm.Clear()
    txt_per.Clear()
    txt_rn.Clear()
    txt_tot.Clear()

End Sub

Private Sub btn_exit_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_exit.Click
    Me.Close()

End Sub
End Class

```

8. Design a Vb.net form to pick a date from DateTimePicker Control and display day, month and year in separate text boxes.

```
Public Class p8

    Private Sub DateTimePicker1_ValueChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles DateTimePicker1.ValueChanged
        txt_day.Text = DateTimePicker1.Value.Day
        txt_mon.Text = DateTimePicker1.Value.Month
        txt_yr.Text = DateTimePicker1.Value.Year
    End Sub
End Class
```

10. Design the following calculator.

```
Public Class p10

    Dim ch As String
    Dim num As Double

    Private Sub btn7_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn7.Click
        txt.Text = txt.Text + "7"

    End Sub

    Private Sub btn8_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn8.Click
        txt.Text = txt.Text + "8"

    End Sub

    Private Sub btn9_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn9.Click
        txt.Text = txt.Text + "9"

    End Sub

    Private Sub btn4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn4.Click
        txt.Text = txt.Text + "4"

    End Sub

    Private Sub btn5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn5.Click
        txt.Text = txt.Text + "5"

    End Sub

    Private Sub btn6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn6.Click
        txt.Text = txt.Text + "6"

    End Sub

    Private Sub btn1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btn1.Click
        txt.Text = txt.Text + "1"

    End Sub

End Class
```

```

    Private Sub btn2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btn2.Click
        txt.Text = txt.Text + "2"
    End Sub

    Private Sub btn3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btn3.Click
        txt.Text = txt.Text + "3"
    End Sub

    Private Sub btn0_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btn0.Click
        txt.Text = txt.Text + "0"
    End Sub

    Private Sub btn_add_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_add.Click
        ch = "p1"
        num = txt.Text

        txt.Clear()

    End Sub

    Private Sub btn_mul_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_mul.Click

        ch = "m1"
        num = txt.Text

        txt.Clear()
    End Sub

    Private Sub btn_div_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_div.Click

        ch = "div"
        num = txt.Text

        txt.Clear()
    End Sub

    Private Sub btn_sub_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_sub.Click

        ch = "sub"
        num = txt.Text

        txt.Clear()
    End Sub

    Private Sub btn_dot_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_dot.Click
        txt.Text = txt.Text + "."

        num = txt.Text

    End Sub

    Private Sub btn_clr_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_clr.Click
        txt.Clear()

```

```

End Sub

Private Sub btn_equal_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btn_equal.Click
    If ch = "p1" Then
        txt.Text = Val(txt.Text) + num
    ElseIf ch = "m1" Then
        txt.Text = Val(txt.Text) * num
    ElseIf ch = "div" Then
        txt.Text = num / Val(txt.Text)
    ElseIf ch = "sub" Then
        txt.Text = num - Val(txt.Text)

    End If
End Sub

Private Sub p10_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load

    End Sub
End Class

```

12. Design the following form.

```

Public Class p12
    Dim i, j, a, b, num, count As Double

    Private Sub RadioButton3_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_odd.CheckedChanged

        i = ComboBox1.Text
        j = ComboBox2.Text

        If i > j Then

            MsgBox("Starting value should me smaller than ending value")
        Else
            If rd_odd.Checked Then

                a = 0

                For a = i To j

                    If a Mod 2 > 0 Then
                        RichTextBox1.Text = RichTextBox1.Text + vbCrLf + a.ToString
                    End If
                Next
            End If
        End If
    End Sub

    Private Sub rd_prime_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_prime.CheckedChanged

        i = ComboBox1.Text
        j = ComboBox2.Text
        count = 1

```

```

If i > j Then
    MsgBox("Starting value should me smaller than ending value")
Else
    If rd_prime.Checked Then
        For a = i To j
            For b = 2 To a - 1
                If a Mod b = 0 Then
                    count = 0
                    Exit For
                Else
                    count = 1
                End If
            Next
            If count = 1 Then
                RichTextBox1.Text = RichTextBox1.Text + vbCrLf + a.ToString
            End If
        Next
    End If
End If
End Sub

Private Sub rd_even_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_even.CheckedChanged
    i = ComboBox1.Text
    j = ComboBox2.Text

    If i > j Then
        MsgBox("Starting value should me smaller than ending value")
    Else
        If rd_even.Checked Then
            a = 0

            For a = i To j
                If a Mod 2 = 0 Then
                    RichTextBox1.Text = RichTextBox1.Text + vbCrLf + a.ToString
                End If
            Next
        End If
    End If
End If

End Sub
End Class

```

13. Design the following form:

```
Public Class p13

    Private Sub RadioButton1_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_up.CheckedChanged
        If rd_up.Checked Then
            Label2.Text = UCase(txt.Text)

        End If
    End Sub

    Private Sub rd_lw_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_lw.CheckedChanged
        If rd_lw.Checked Then
            Label2.Text = LCase(txt.Text)

        End If
    End Sub

    Private Sub rd_len_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_len.CheckedChanged
        If rd_len.Checked Then
            Label2.Text = Len(txt.Text)

        End If
    End Sub

    Private Sub rd_rev_CheckedChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles rd_rev.CheckedChanged
        If rd_rev.Checked Then
            Label2.Text = StrReverse(txt.Text)

        End If
    End Sub

End Class
```

20. Design following Form which shows use of Horizontal and Vertical Scroll Bar.

```
Public Class p20

    Private Sub VScrollBar1_Scroll(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.ScrollEventArgs) Handles VScrollBar1.Scroll
        Label1.Text = "(" & VScrollBar1.Value & " , "
    End Sub

    Private Sub HScrollBar1_Scroll(ByVal sender As System.Object, ByVal e As
System.Windows.Forms.ScrollEventArgs) Handles HScrollBar1.Scroll
        Label2.Text = HScrollBar1.Value & ")"
    End Sub

End Class
```

23. Create MDI form that has and create following menu. ♣ File Menu o New, Open, Save, Exit ♣ Edit Menu o Cut, Copy, Paste, Date time, Find and Replace ♣ Format Menu o Font, Bold, Italic, Underline, Color (submenu contains 2 options: Back Color, Text Color), Upper Case, Lower Case ♣ View Menu o Zoom in, Zoom out ♣ Help Menu o About notepad show in msgbox() On selection of specific menu item, perform the respective activity/show message.(notepad)

```
Public Class notepad
```

```
    Private Sub UndoToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles UndoToolStripMenuItem.Click
```

```
        RichTextBox1.Undo()
```

```
    End Sub
```

```
    Private Sub RedoToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles RedoToolStripMenuItem.Click
```

```
        RichTextBox1.Redo()
```

```
    End Sub
```

```
    Private Sub CutToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles CutToolStripMenuItem.Click
```

```
        RichTextBox1.Cut()
```

```
    End Sub
```

```
    Private Sub CopyToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles CopyToolStripMenuItem.Click
```

```
        RichTextBox1.Copy()
```

```
    End Sub
```

```
    Private Sub PasteToolStripMenuItem_Click(ByVal sender As  
System.Object, ByVal e As System.EventArgs) Handles  
PasteToolStripMenuItem.Click
```

```
        RichTextBox1.Paste()
```

```
    End Sub
```

```
    Private Sub SelectAllToolStripMenuItem_Click(ByVal sender As  
System.Object, ByVal e As System.EventArgs) Handles  
SelectAllToolStripMenuItem.Click
```

```
        RichTextBox1.SelectAll()
```

```
    End Sub
```



```
Private Sub OpenToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles OpenToolStripMenuItem.Click
```

```
    If OpenFileDialog1.ShowDialog = Windows.Forms.DialogResult.OK Then  
        RichTextBox1.Text  
My.Computer.FileSystem.ReadAllText(OpenFileDialog1.FileName)  
    End If
```

```
End Sub
```

```
Private Sub SaveToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles SaveToolStripMenuItem.Click
```

```
    If SaveFileDialog1.ShowDialog = Windows.Forms.DialogResult.OK  
Then  
My.Computer.FileSystem.WriteAllText(SaveFileDialog1.FileName, RichTextBox1.  
Text, False)
```

```
    End If  
End Sub
```

```
Private Sub NewToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles NewToolStripMenuItem.Click
```

```
    MsgBox("DO YOU WANT TO SAVE CHANGE.....", MsgBoxStyle.YesNoCancel)  
    If MsgBoxResult.Yes Then
```

```
        RichTextBox1.Clear()
```

```
    End If  
End Sub
```

```
Private Sub PrintToolStripMenuItem_Click(ByVal sender As  
System.Object, ByVal e As System.EventArgs) Handles  
PrintToolStripMenuItem.Click
```

```
PrintDialog1.ShowDialog()
```

```
End Sub
```

```
Private Sub LeftToolStripMenuItem_Click(ByVal sender As System.Object,  
ByVal e As System.EventArgs) Handles LeftToolStripMenuItem.Click
```

```
RichTextBox1.SelectionAlignment = HorizontalAlignment.Left
```

```
End Sub
```

```
Private Sub CustomizeToolStripMenuItem_Click(ByVal sender As  
System.Object, ByVal e As System.EventArgs) Handles  
CustomizeToolStripMenuItem.Click
```

```

If FontDialog1.ShowDialog = Windows.Forms.DialogResult.OK Then
    RichTextBox1.Font = FontDialog1.Font
End If

End Sub

Private Sub OptionsToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
OptionsToolStripMenuItem.Click

If ColorDialog1.ShowDialog = Windows.Forms.DialogResult.OK Then
    RichTextBox1.ForeColor = ColorDialog1.Color

    End If
End Sub

Private Sub RightToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
RightToolStripMenuItem.Click

RichTextBox1.SelectionAlignment = HorizontalAlignment.Right

End Sub

Private Sub CenterToolStripMenuItem_Click(ByVal sender As
System.Object, ByVal e As System.EventArgs) Handles
CenterToolStripMenuItem.Click

RichTextBox1.SelectionAlignment = HorizontalAlignment.Center

End Sub

Private Sub NumericUpDown1_ValueChanged(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles NumericUpDown1.ValueChanged

RichTextBox1.ZoomFactor = NumericUpDown1.Value

End Sub

Private Sub YesToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles YesToolStripMenuItem.Click

RichTextBox1.SelectionBullet = True

End Sub

Private Sub NoToolStripMenuItem_Click(ByVal sender As System.Object,
ByVal e As System.EventArgs) Handles NoToolStripMenuItem.Click

RichTextBox1.SelectionBullet = False
End Sub
End Class

```

