1. Create a MDI form and All the following windows(Programs) form should be open from MDI Menu click

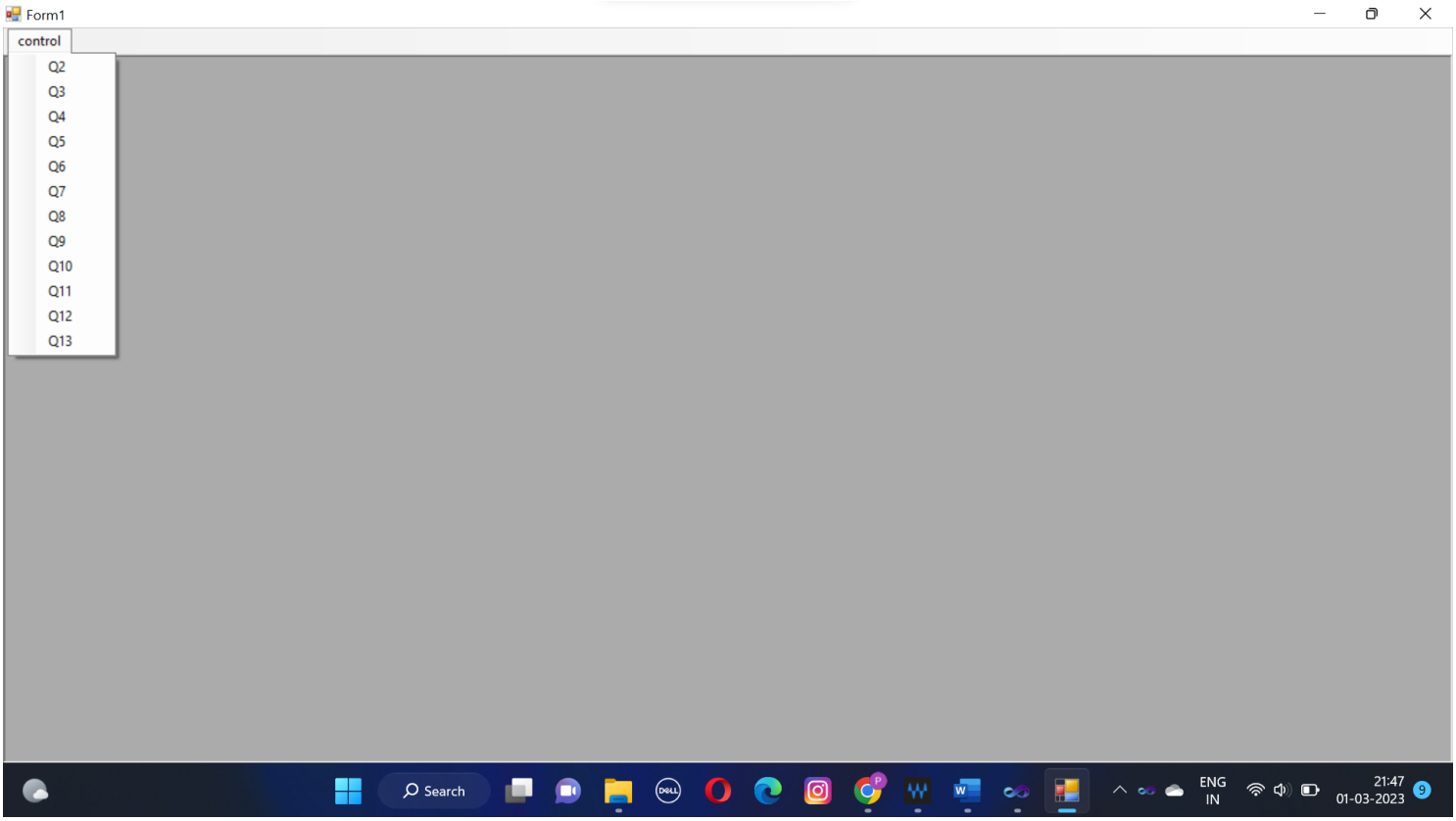
Code :

```
Public Class frm1

Private Sub MenuStripHello_Click_1(sender As Object, e As EventArgs) Handles MenuStripHello.Click

Dim n As New helloname

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub UPPERToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
UPPERToolStripMenuItem.Click

Dim n As New upper

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub ODDToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
ODDToolStripMenuItem.Click

Dim n As New odd

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub CALCULATORToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
CALCULATORToolStripMenuItem.Click

Dim n As New calculator

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()
```

```
End Sub

Private Sub MARKSToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
MARKSToolStripMenuItem.Click

Dim n As New marks

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub COMBOBOXToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
COMBOBOXToolStripMenuItem.Click

Dim n As New combobox

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub REVERSEToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
REVERSEToolStripMenuItem.Click

Dim n As New reverse

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub STRINGFUNCTIONSToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles

STRINGFUNCTIONSToolStripMenuItem.Click

Dim n As New stringfunction

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub
```

```
Private Sub AGEToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
AGEToolStripMenuItem.Click

Dim n As New AGE

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub LISTBOXToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
LISTBOXToolStripMenuItem.Click

Dim n As New listbox

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub VOWELSToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
VOWELSToolStripMenuItem.Click

Dim n As New vowels

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

Private Sub TABLEToolStripMenuItem_Click(sender As Object, e As EventArgs) Handles
TABLEToolStripMenuItem.Click

Dim n As New table

Me.IsMdiContainer = True

n.MdiParent = Me

n.Show()

End Sub

End Class
```

Output :

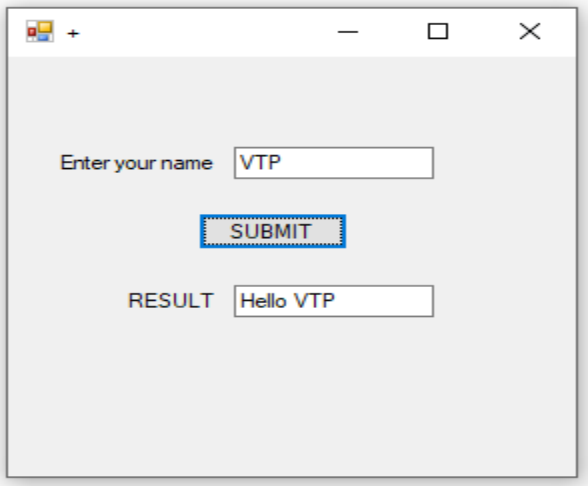


2. Enter your name in a textbox and display hello name in second textbox after clicking on a button.

Code :

```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        TextBox2.Text = "Hello " + TextBox1.Text

    End Sub

End Class
```

Output :

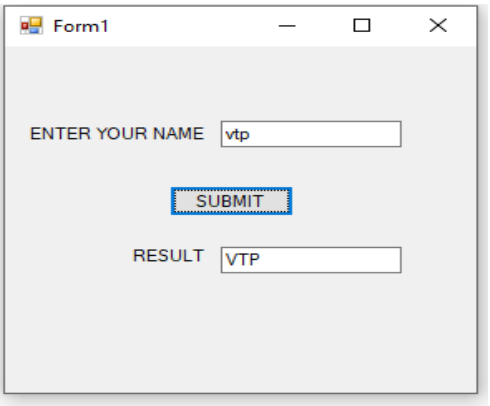


3. Enter your name in a textbox and it will show name enter by you on another textbox in Upper case.

Code : Public Class Form1

```
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        TextBox2.Text = UCase(TextBox1.Text)

    End Sub

End Class
```

Output :

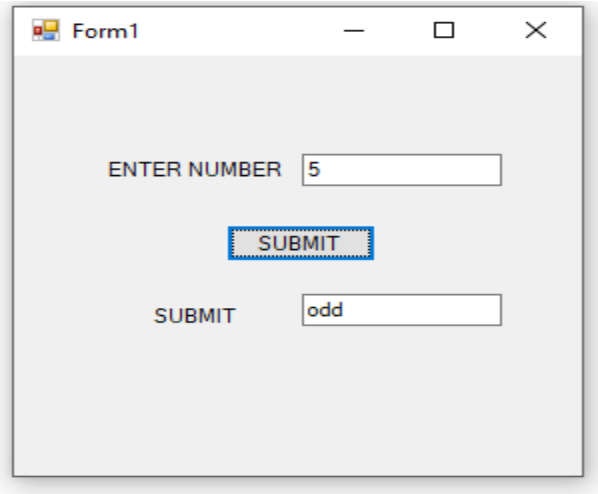


4. Enter number in the textbox and display that number is even or odd.

Code : Public Class Form1

```
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        If TextBox1.Text Mod 2 = 0 Then

            TextBox2.Text = "even"

        Else

            TextBox2.Text = "odd"

        End If

    End Sub

End Class
```

Output :



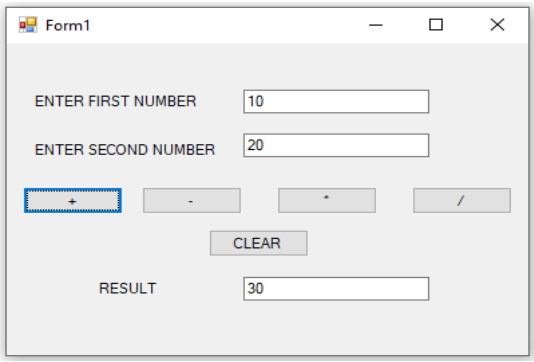
5. Create simple calculator to with +, -, X, / functionality.

Code : Public Class Form1

```
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        TextBox3.Text = Val(TextBox1.Text) + Val(TextBox2.Text)

    End Sub
```

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

        TextBox3.Text = Val(TextBox1.Text) - Val(TextBox2.Text)

    End Sub


    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button3.Click

        TextBox3.Text = Val(TextBox1.Text) * Val(TextBox2.Text)

    End Sub


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

        TextBox3.Text = Val(TextBox1.Text) / Val(TextBox2.Text)

    End Sub


    Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button5.Click

        TextBox1.Clear()

        TextBox2.Clear()

        TextBox3.Clear()

    End Sub

End Class
```

Output :



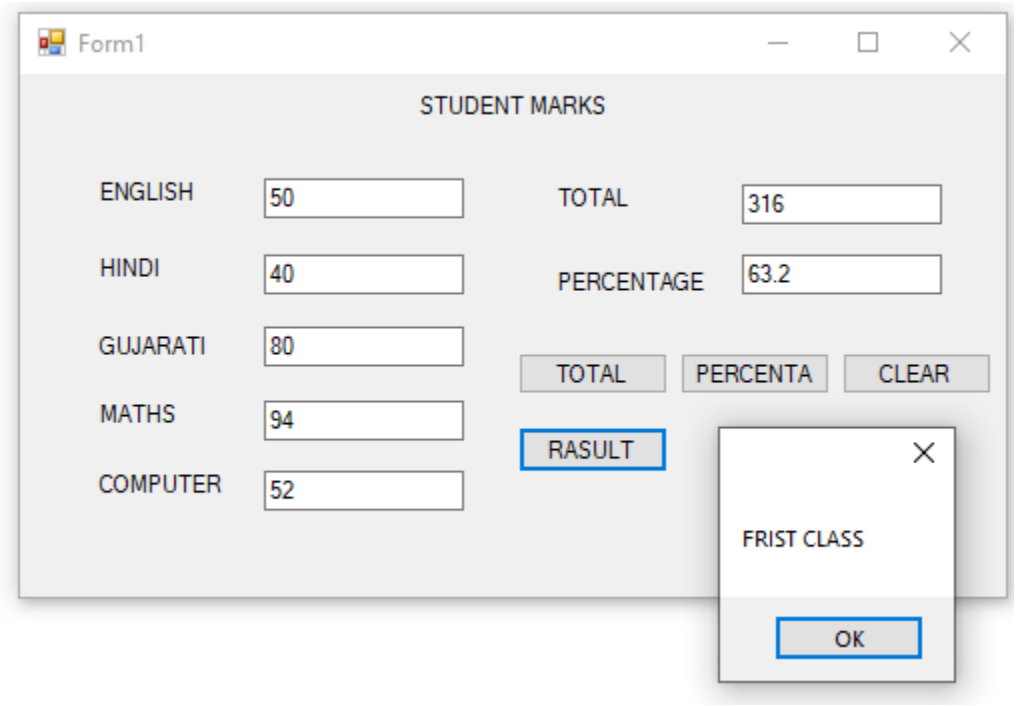
6. Enter student's marks out of 100 in 5 different textboxes and add them on button click and display the percentage on Textbox control. Check if Percentage < 49 then give massage fail, percentage from 50 to 60 then give massage Second class, Percentage from 61 to 69 then give massage first Class Percentage >= 70 then give massage Distinction class, using If…Else If

Code : Public Class Form1

```
  Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

    TextBox6.Text = Val(TextBox1.Text) + Val(TextBox2.Text) + Val(TextBox3.Text) + Val(TextBox4.Text)
+ Val(TextBox5.Text)

  End Sub

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

    TextBox7.Text = (TextBox6.Text / 500) * 100

  End Sub

  Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button3.Click

    TextBox1.Clear()

    TextBox2.Clear()

    TextBox3.Clear()

    TextBox4.Clear()

    TextBox5.Clear()

    TextBox6.Clear()

    TextBox7.Clear()

  End Sub

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

    If TextBox7.Text < 49 Then

      MessageBox.Show("FAIL")

    ElseIf TextBox7.Text >= 50 And TextBox7.Text <= 60 Then

      MessageBox.Show("SECOND CLASS")
```

```
        ElseIf TextBox7.Text >= 61 And TextBox7.Text <= 69 Then
            MessageBox.Show("FRIST CLASS")
        Else
            MessageBox.Show("DISTINCTION CLASS")
        End If
    End Sub
End Class
```

Output :

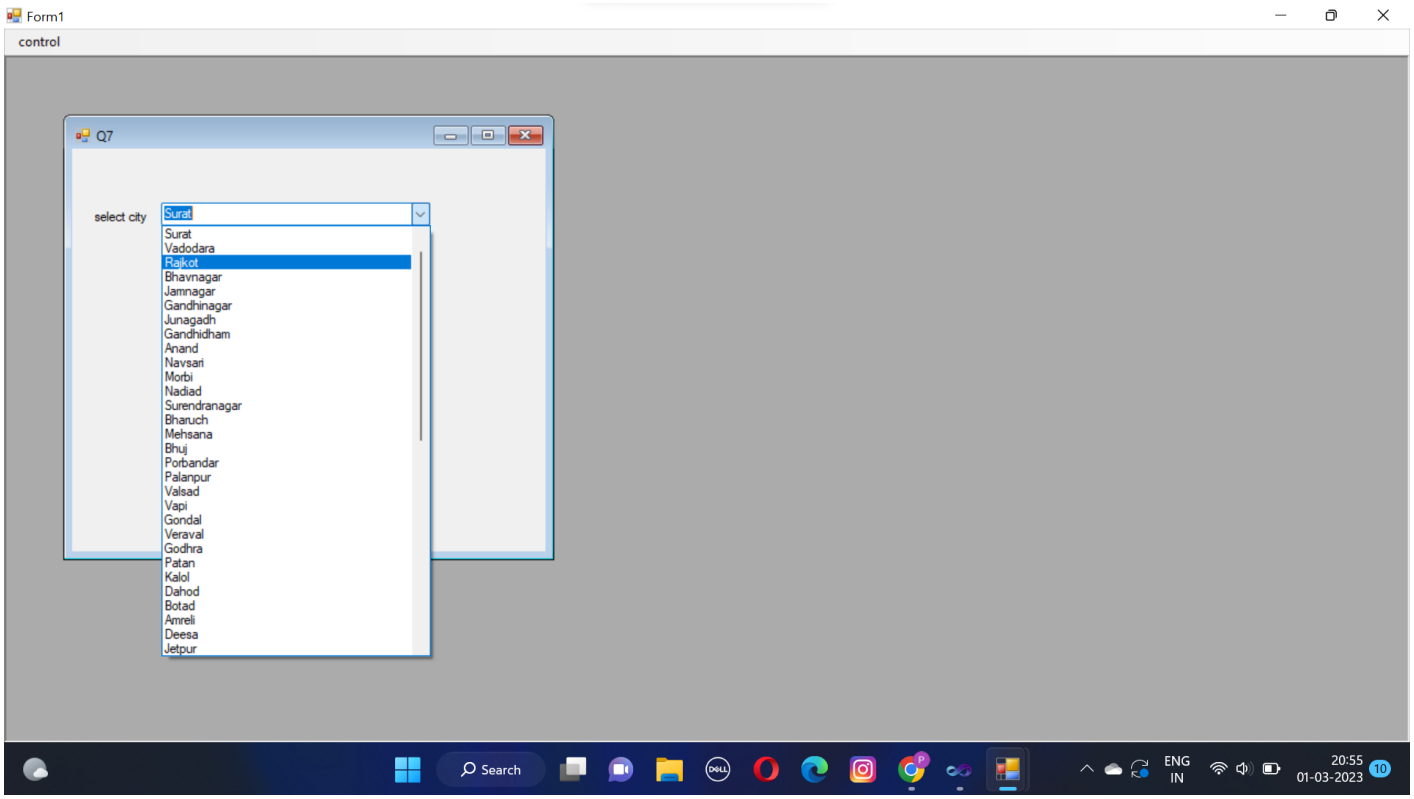


7. Create a windows form that will demonstrate the use of combo box control also use property of it

Code : Imports System.Windows.Forms.VisualStyles.VisualStyleElement

```
Public Class combobox
Private Sub cmboxComboBox_SelectedIndexChanged(sender As Object, e As EventArgs) Handles
cmboxComboBox.SelectedIndexChanged
MessageBox.Show("You selected: " & cmboxComboBox.SelectedItem.ToString())
End Sub
Private Sub btnComboBoxExit_Click(sender As Object, e As EventArgs) Handles btnComboBoxExit.Click
Me.Close()
End Sub
Private Sub combobox_Load(sender As Object, e As EventArgs) Handles Me.Load
cmboxComboBox.Items.Add("Andhra Pradesh")
cmboxComboBox.Items.Add("Arunachal Pradesh")
cmboxComboBox.Items.Add("Assam")
cmboxComboBox.Items.Add("Bihar")
cmboxComboBox.Items.Add("Chhattisgarh")
cmboxComboBox.Items.Add("Goa")
cmboxComboBox.Items.Add("Gujarat")
cmboxComboBox.Items.Add("Haryana")
cmboxComboBox.Items.Add("Himachal Pradesh")
cmboxComboBox.Items.Add("Odisha")
cmboxComboBox.Items.Add("Punjab")
cmboxComboBox.Items.Add("Rajasthan")
cmboxComboBox.Items.Add("Sikkim")
cmboxComboBox.Items.Add("Tamil Nadu")
cmboxComboBox.Items.Add("Telangana")
cmboxComboBox.Items.Add("Tripura")
cmboxComboBox.Items.Add("Uttar Pradesh")
cmboxComboBox.Items.Add("Uttarakhand")
cmboxComboBox.Items.Add("West Bengal")
End Sub
```

End Class



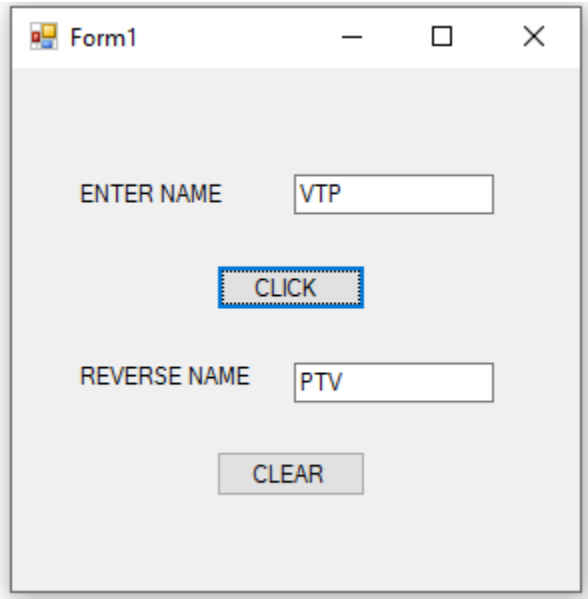
8. Enter your name in textbox and should be display in reverse order on another textbox.

Code :

```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        TextBox2.Text = StrReverse(TextBox1.Text)

    End Sub

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

```
        TextBox1.Clear()
        TextBox2.Clear()
    End Sub
End Class
```

Output :



9. Create a windows form for demonstrate the all string functions.

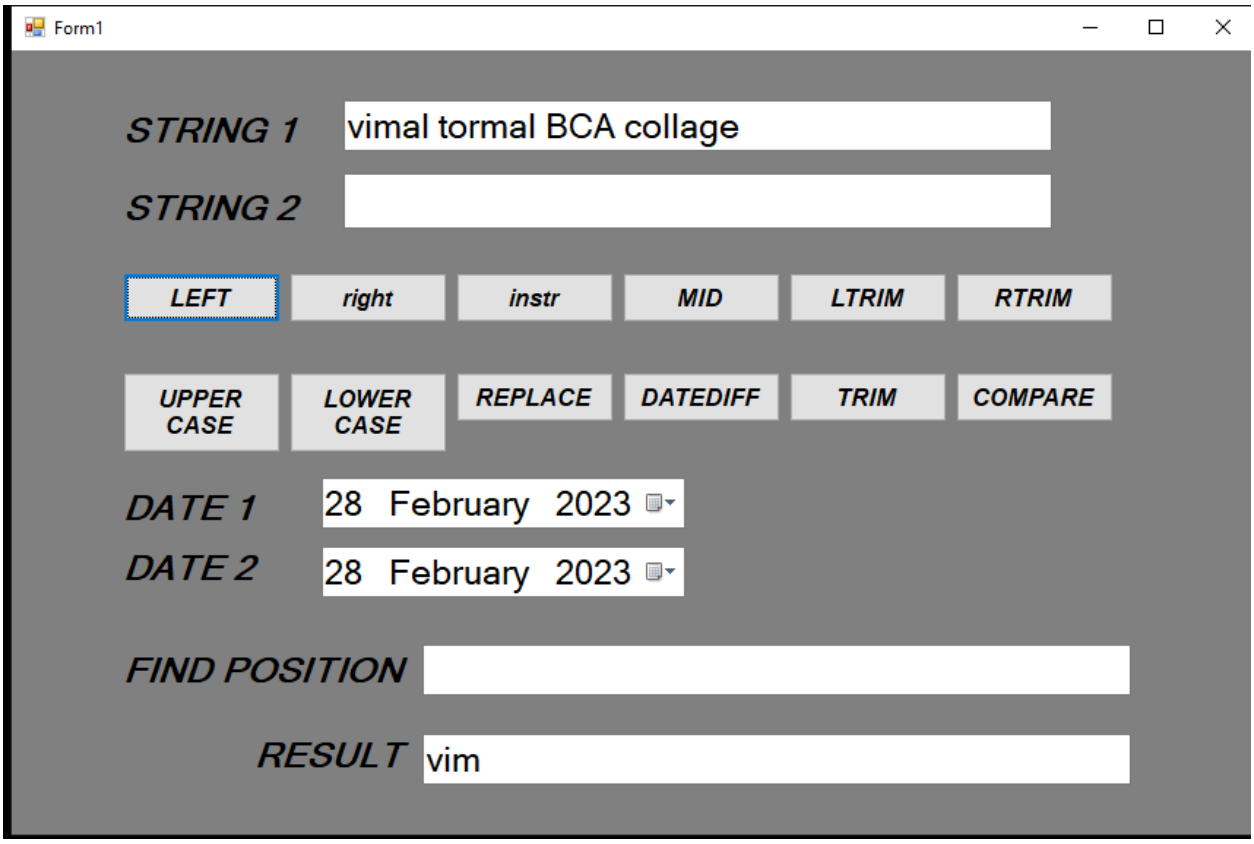
Code :

```
public Class Form1
    Private Sub BTNFEFT_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnleft.Click
        textresult.Text = Microsoft.VisualBasic.Left(txtdata1.Text, 3)
    End Sub
    Private Sub btnrigst_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnrigst.Click
        textresult.Text = Microsoft.VisualBasic.Right(txtdata1.Text, 3)
    End Sub
    Private Sub btninstr_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btninstr.Click
```

```
        textresult.Text = InStr(txtdata1.Text, txtdata2.Text, CompareMethod.Binary)
    End Sub
    Private Sub btnmid_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnmid.Click
        Dim intpos As Integer
        intpos = InStr(txtdata1.Text, txtdata2.Text, CompareMethod.Text)
        txtpos.Text = intpos
        If intpos = 0 Then
            MsgBox(" No data found")
        Else
            textresult.Text = Mid(txtdata1.Text, intpos, txtdata2.Text.Length)
        End If
    End Sub
    Private Sub btnltrim_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnltrim.Click
        textresult.Text = LTrim(txtdata1.Text)
    End Sub
    Private Sub btnrtim_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnrtim.Click
textresult.Text = RTrim(txtdata1.Text)
    End Sub
    Private Sub btntrim_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btntrim.Click
        textresult.Text = Trim(txtdata1.Text)
    End Sub
    Private Sub btnucase_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnucase.Click
        textresult.Text = UCase(txtdata1.Text)
    End Sub
    Private Sub btnlcase_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnlcase.Click
```

```
        textresult.Text = LCase(txtdata1.Text)

    End Sub

    Private Sub btnreplace_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btnreplace.Click

        textresult.Text = Replace(txtdata1.Text, "BCA", "B.COM")

    End Sub

    Private Sub btndatediff_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btndatediff.Click

        textresult.Text = DateDiff(DateInterval.Month, CDate(dtp1.Value), CDate(dtp2.Value))

        textresult.Text = DateDiff(DateInterval.Minute, CDate(dtp1.Value), CDate(dtp2.Value))

        textresult.Text = DateDiff(DateInterval.Second, CDate(dtp1.Value), CDate(dtp2.Value))

    End Sub

    Private Sub btncompare_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btncompare.Click

        If "ABC" = "abc" Then

            textresult.Text = "BOTH ARE EQUAL"

        Else

            textresult.Text = "BOTH ARE NOT EQUAL"

        End If

    End Sub

End Class
```

Output :

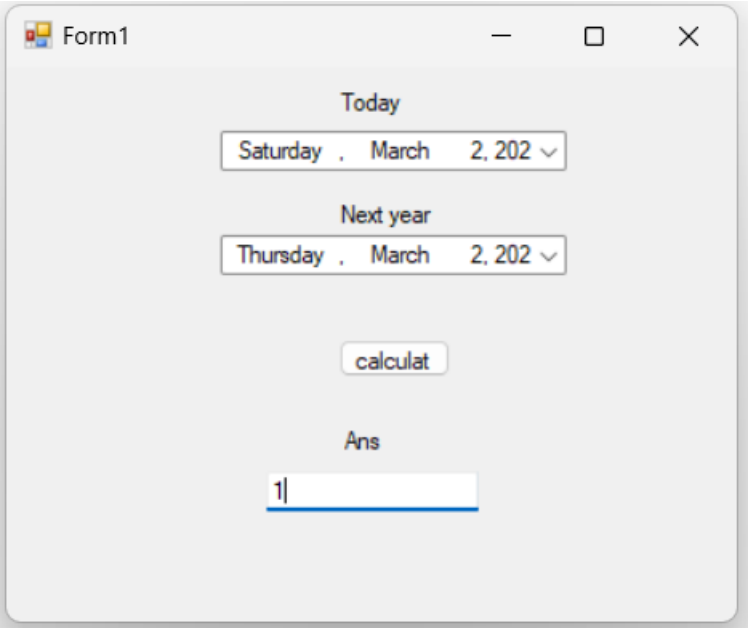


10.Create a windows form that will accept Date of birth in DateTimePicker control and show age in months with current date.

Code : Public Class Form1

```
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click

        TextBox1.Text = DateDiff(DateInterval.Year, CDate(DateTimePicker2.Value),
CDate(DateTimePicker1.Value))

    End Sub

End Class
```

Output :

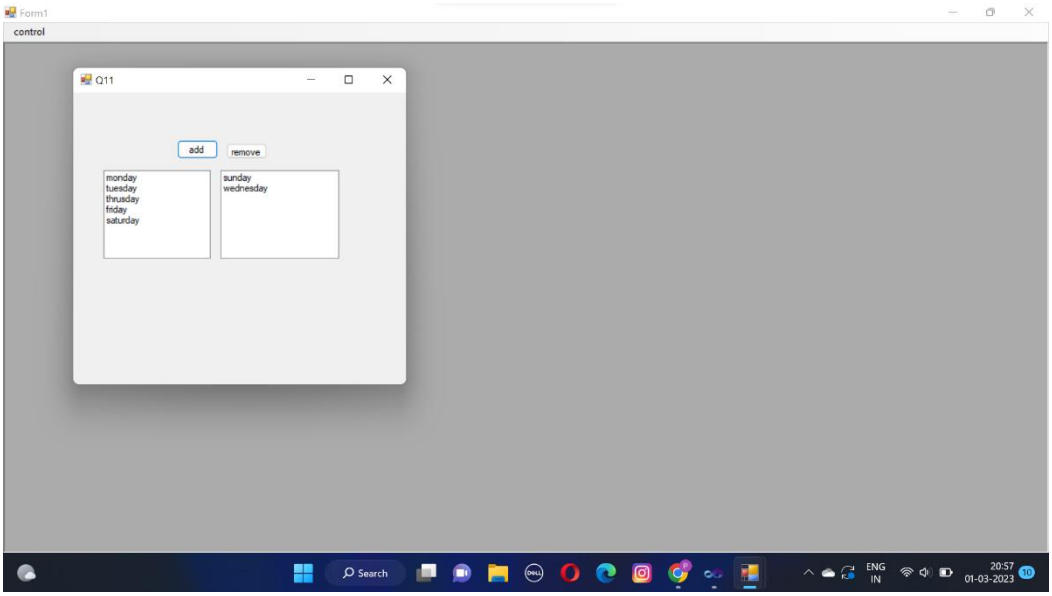


11.Create a windows form for demonstrate of ListBox control.

Code :

```
Public Class Q11

    Private Sub ListBox1_SelectedIndexChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles ListBox1.SelectedIndexChanged

    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click

        ListBox2.Items.Add(ListBox1.SelectedItem())

        ListBox1.Items.Remove(ListBox1.SelectedItem())

    End Sub

    Private Sub Q11_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load

        ListBox1.Items.Add("sunday")

        ListBox1.Items.Add("monday")

        ListBox1.Items.Add("tuesday")

        ListBox1.Items.Add("wednesday")

        ListBox1.Items.Add("thrusday")

        ListBox1.Items.Add("friday")
```

```
        ListBox1.Items.Add("saturday")

    End Sub

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

        ListBox1.Items.Add(ListBox2.SelectedItem())

        ListBox2.Items.Remove(ListBox2.SelectedItem())

    End Sub

End Class
```



12.Create a windows form that will accept a string on TextBox control and show number of vowels and consonants in a given string.

Code : Public Class Form1

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

Dim vowelCount As Integer = 0

Dim consonantCount As Integer = 0

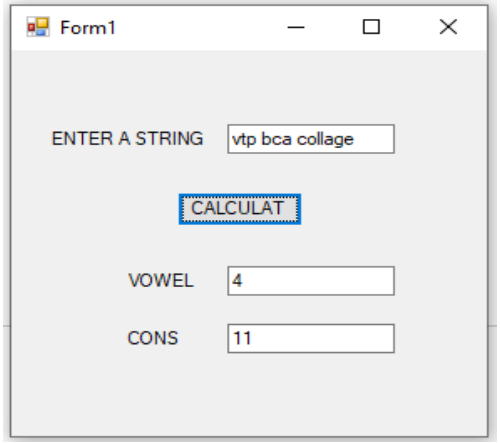
Dim str As String = TextBox1.Text

For i As Integer = 0 To str.Length - 1

Select Case str.Chars(i)

```
            Case "a", "e", "i", "o", "u","A","E","I","O","U"
                vowelCount += 1
            Case Else
                consonantCount += 1
        End Select
    Next
    TextBox2.Text = vowelCount
    TextBox3.Text = consonantCount
End Sub
End Class
```

Output :



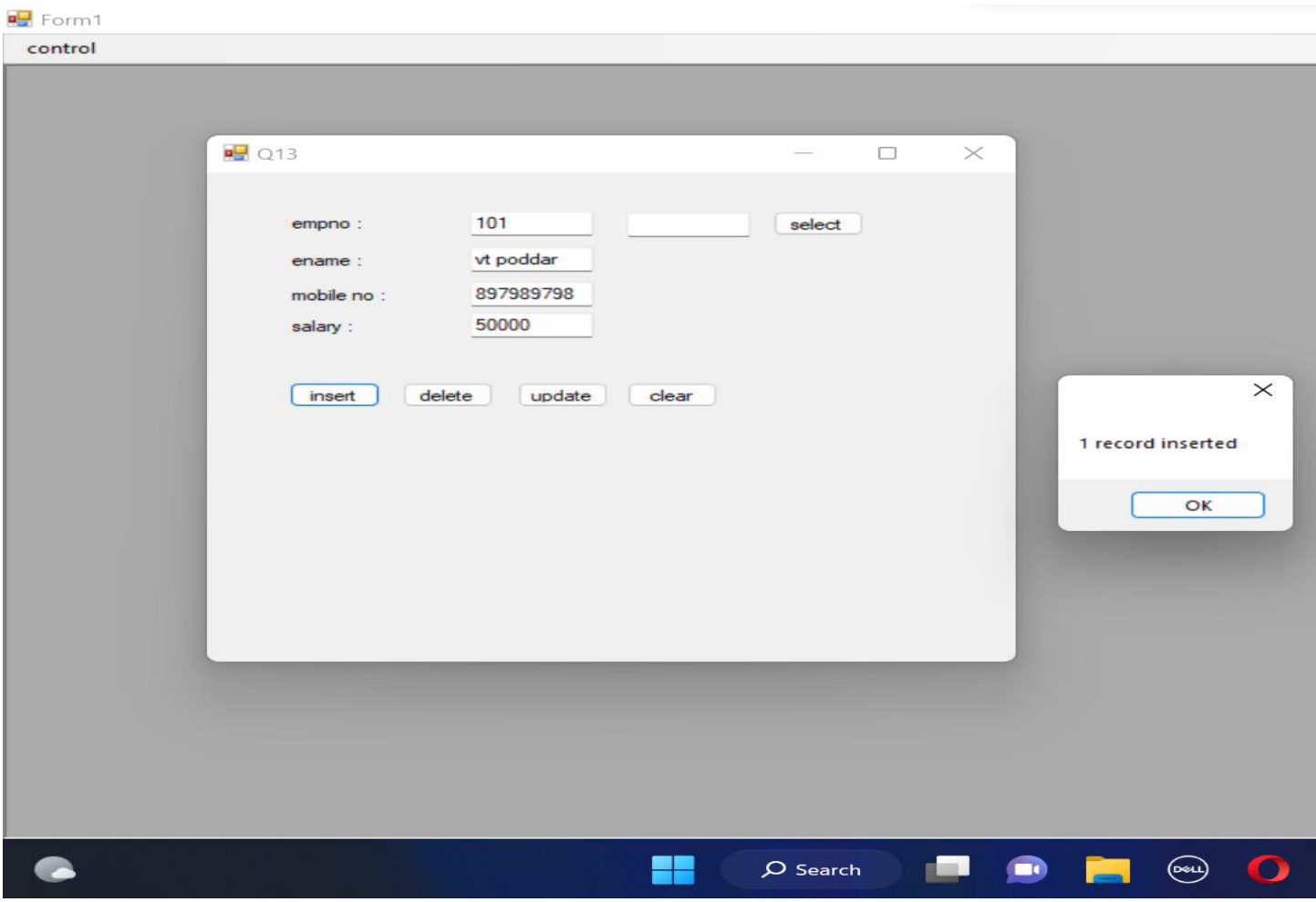
13. Create a windows application that perform insert, Update, Delete and Searching on following Table. Table Name : Emp (EmpNo, Ename, MobileNo, Salary)

Code :

```
Imports System.Data.sqlclient

Public Class Q13

    Dim con As New SqlConnection("Data Source=.\SQLEXPRESS;AttachDbFilename=C:\Users\prit
boghara\Documents\employe.mdf;Integrated Security=True;Connect Timeout=30;User
Instance=True")

    Private Sub grid_load()

        Dim str As String = "select * from employe"
```

```
        Dim cmd As New SqlCommand(str, con)

        Dim da As New SqlDataAdapter(cmd)

        Dim dt As New DataTable

        da.Fill(dt)

    End Sub

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click

        Dim str As String = "insert into employe values(" & TextBox1.Text & " , ' " &
TextBox2.Text & " ' ,' " & TextBox3.Text & " ',' " & TextBox4.Text & " ')"

        con.Open()

        Dim cmd As New SqlCommand(str, con)

        cmd.ExecuteNonQuery()

        con.Close()

        MessageBox.Show("1 record inserted")

        grid_load()

    End Sub

    Private Sub Q13_Load(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles MyBase.Load

        grid_load()

    End Sub

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

        Dim str As String = "delete from employe where empno = '" & TextBox1.Text & "'"

        con.Open()

        Dim cmd As New SqlCommand(str, con)

        cmd.ExecuteNonQuery()

        con.Close()

        MessageBox.Show("1 record deleted")

        grid_load()

    End Sub

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

        Dim str As String = "select *from employe where empno = '" & TextBox5.Text & "'"

        Dim cmd As New SqlCommand(str, con)
```

```
        Dim da As New SqlDataAdapter(cmd)

        Dim dt As New DataTable

        da.Fill(dt)

    End Sub

    Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button5.Click

        TextBox1.Clear()

        TextBox2.Clear()

        TextBox3.Clear()

        TextBox4.Clear()

    End Sub

    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button3.Click

        Dim str As String = "update employe set empname= ' " & TextBox2.Text & " ' ,
mobileno = ' " & TextBox3.Text & " ' , salary = ' " & TextBox4.Text & " ' , where empno =
' " & TextBox1.Text & " '"

        con.Open()

        Dim cmd As New SqlCommand(str, con)

        cmd.ExecuteNonQuery()

        con.Close()

        MessageBox.Show("1 record inserted")

        grid_load()

    End Sub

    Private Sub TextBox1_TextChanged(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles TextBox1.TextChanged


    End Sub
```


Form1
control
Q13
empno :
101
select
ename :
vt poddar
mobile no :
897989798
salary :
50000
insert
delete
update
clear
1 record inserted
OK
Search