1. Create a vb.net application to generate marksheet by talking input as an seat no, student name, course, semester and 10 subjects marks from user & find total , result , grace.

To find result consider the following criteria.

- if Student pass all subjects then result is "pass"

- if Student pass <=3 subjects then result is "ATKT"

- if Student pass >=3 subjects then result is "Fail"

- if Student fail In particular subject in Internal or external then it will display in red color.

(Passing marks :

1. For internal 9 out of 25 and fir external 9 out of 25 .

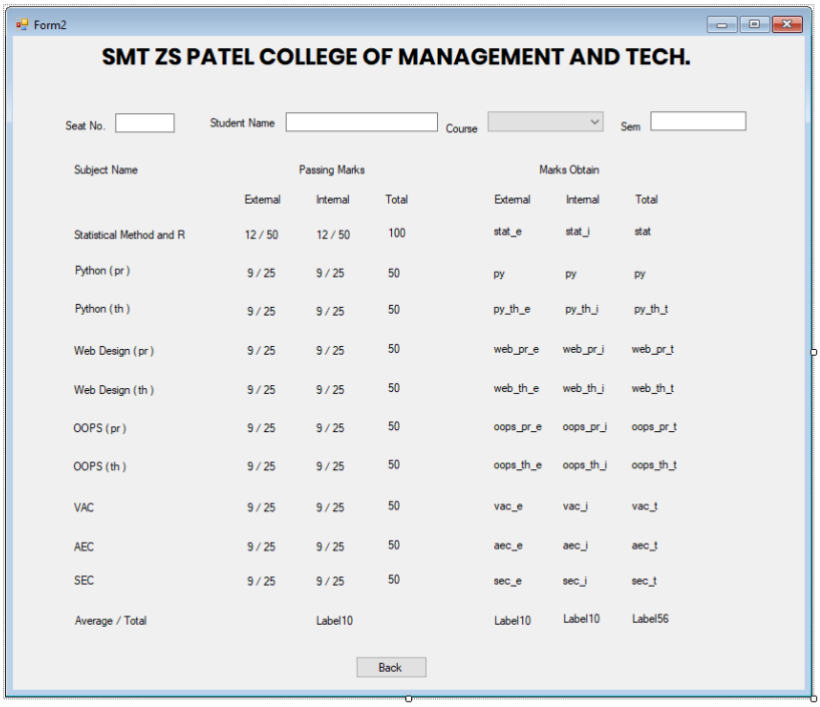
2. For internal 12 out of 50 and fir external 12 out of 50 .)

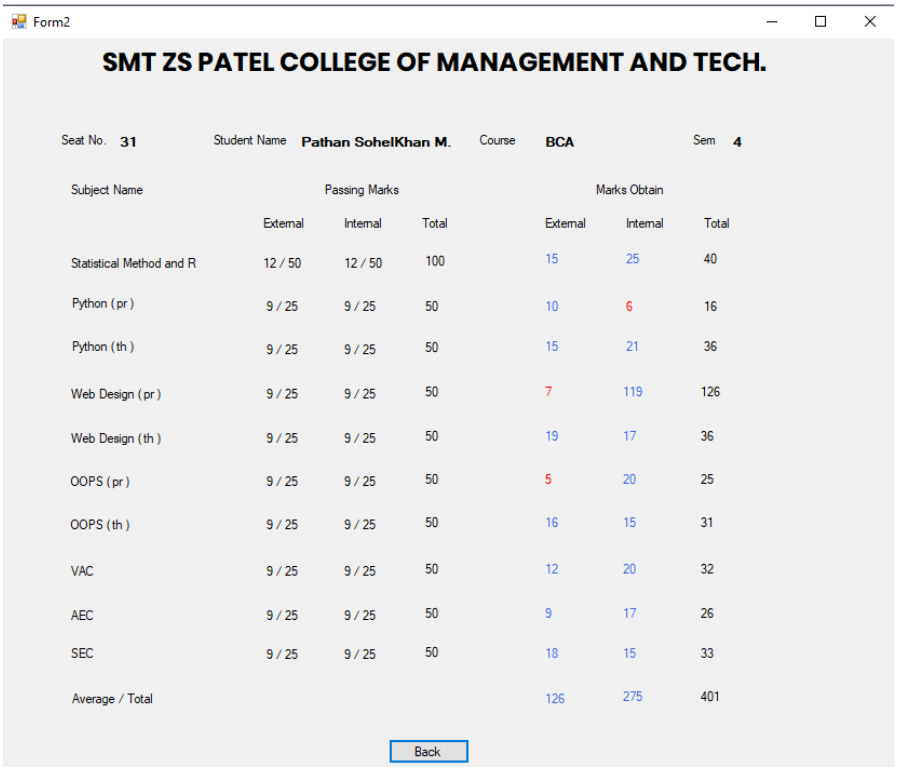
```
Private Sub result_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
result.Click
        Me.Hide()
        Form2.Show()

        Form2.lbl_id.Text = TextBox1.Text
        Form2.lbl_n.Text = TextBox2.Text
        Form2.lbl_sem.Text = TextBox3.Text
        Form2.course.Text = ComboBox1.SelectedItem

        Dim n1, n2, n3, n4, n5, n6, n7, n8, n9, n10, n11, n12, n13, n14, n15, n16, n17, n18, n19,
n20, n21, n22 As Integer

        n1 = stat_ext.Text
        n2 = stat_int.Text
        Form2.stat_e.Text = n1
        Form2.stat_i.Text = n2
        Form2.stat.Text = n1 + n2

        n3 = py_e.Text
        n4 = py_i.Text
        Form2.py_pr_e.Text = n3
        Form2.py_pr_i.Text = n4
        Form2.py_pr_t.Text = n3 + n4

        n5 = py_t_e.Text
        n6 = py_t_i.Text
        Form2.py_th_e.Text = n5
        Form2.py_th_i.Text = n6
        Form2.py_th_t.Text = n5 + n6

        n7 = web_e.Text
        n8 = web_i.Text
        Form2.web_pr_e.Text = n7
        Form2.web_pr_i.Text = n8
        Form2.web_pr_t.Text = n7 + n8

        n9 = web_t_e.Text
        n10 = web_t_i.Text
        Form2.web_th_e.Text = n9
        Form2.web_th_i.Text = n10
```

```
        Form2.web_th_t.Text = n9 + n10

        n11 = oops_e.Text
        n12 = oops_i.Text
        Form2.oops_pr_e.Text = n11
        Form2.oops_pr_i.Text = n12
        Form2.oops_pr_t.Text = n11 + n12

        n13 = oops_t_e.Text
        n14 = oops_t_i.Text
        Form2.oops_th_e.Text = n13
        Form2.oops_th_i.Text = n14
        Form2.oops_th_t.Text = n13 + n14

        n15 = vac_ext.Text
        n16 = vac_int.Text
        Form2.vac_e.Text = n15
        Form2.vac_i.Text = n16
        Form2.vac_t.Text = n15 + n16

        n17 = aec_ext.Text
        n18 = aec_int.Text
        Form2.aec_e.Text = n17
        Form2.aec_i.Text = n18
        Form2.aec_t.Text = n17 + n18

        n19 = sec_ext.Text
        n20 = sec_int.Text
        Form2.sec_e.Text = n19
        Form2.sec_i.Text = n20
        Form2.sec_t.Text = n19 + n20


        Form2.ext_total.Text = n1 + n3 + n5 + n7 + n9 + n11 + n13 + n15 + n17 + n19
        Form2.int_total.Text = n2 + n4 + n6 + n8 + n10 + n12 + n14 + n16 + n18 + n20

        n21 = Form2.ext_total.Text
        n22 = Form2.int_total.Text


        Form2.all_total.Text = n21 + n22
        Form2.obtain.Text = Form2.all_total.Text + " / 250"


        If CInt(n1) < 12 Then
            Form2.stat_e.ForeColor = Color.Red
        Else
            Form2.stat_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n2) < 12 Then
            Form2.stat_i.ForeColor = Color.Red
        Else
            Form2.stat_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n3) < 9 Then
            Form2.py_pr_e.ForeColor = Color.Red
        Else
            Form2.py_pr_e.ForeColor = Color.RoyalBlue
        End If
```

```
        If CInt(n4) < 9 Then
            Form2.py_pr_i.ForeColor = Color.Red
        Else
            Form2.py_pr_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n5) < 9 Then
            Form2.py_th_e.ForeColor = Color.Red
        Else
            Form2.py_th_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n6) < 9 Then
            Form2.py_th_i.ForeColor = Color.Red
        Else
            Form2.py_th_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n7) < 9 Then
            Form2.web_pr_e.ForeColor = Color.Red
        Else
            Form2.web_pr_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n8) < 9 Then
            Form2.web_pr_i.ForeColor = Color.Red
        Else
            Form2.web_pr_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n9) < 9 Then
            Form2.web_th_e.ForeColor = Color.Red
        Else
            Form2.web_th_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n10) < 9 Then
            Form2.web_th_i.ForeColor = Color.Red
        Else
            Form2.web_th_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n11) < 9 Then
            Form2.oops_pr_e.ForeColor = Color.Red
        Else
            Form2.oops_pr_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n12) < 9 Then
            Form2.oops_pr_i.ForeColor = Color.Red
        Else
            Form2.oops_pr_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n13) < 9 Then
            Form2.oops_th_e.ForeColor = Color.Red
        Else
            Form2.oops_th_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n14) < 9 Then
            Form2.oops_th_i.ForeColor = Color.Red
```

```
        Else
            Form2.oops_th_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n15) < 9 Then
            Form2.vac_e.ForeColor = Color.Red
        Else
            Form2.vac_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n16) < 9 Then
            Form2.vac_i.ForeColor = Color.Red
        Else
            Form2.vac_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n17) < 9 Then
            Form2.aec_e.ForeColor = Color.Red
        Else
            Form2.aec_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n18) < 9 Then
            Form2.aec_i.ForeColor = Color.Red
        Else
            Form2.aec_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n19) < 9 Then
            Form2.sec_e.ForeColor = Color.Red
        Else
            Form2.sec_e.ForeColor = Color.RoyalBlue
        End If

        If CInt(n20) < 9 Then
            Form2.sec_i.ForeColor = Color.Red
        Else
            Form2.sec_i.ForeColor = Color.RoyalBlue
        End If

        If CInt(n21) < 9 Then
            Form2.ext_total.ForeColor = Color.Red
        Else
            Form2.ext_total.ForeColor = Color.RoyalBlue
        End If

        If CInt(n22) < 9 Then
            Form2.int_total.ForeColor = Color.Red
        Else
            Form2.int_total.ForeColor = Color.RoyalBlue
        End If

    End Sub
End Class
```


Form2
SMT ZS PATEL COLLEGE OF MANAGEMENT AND TECH.
Seat No.
Student Name
Course
Sem
Subject Name
Passing Marks
Marks Obtain
External
Internal
Total
External
Internal
Total
Statistical Method and R
12 / 50
12 / 50
100
stat_e
stat_i
stat
Python (pr)
9 / 25
9 / 25
50
py
py
py
Python (th)
9 / 25
9 / 25
50
py_th_e
py_th_i
py_th_t
Web Design (pr)
9 / 25
9 / 25
50
web_pr_e
web_pr_i
web_pr_t
Web Design (th)
9 / 25
9 / 25
50
web_th_e
web_th_i
web_th_t
OOPS (pr)
9 / 25
9 / 25
50
oops_pr_e
oops_pr_i
oops_pr_t
OOPS (th)
9 / 25
9 / 25
50
oops_th_e
oops_th_i
oops_th_t
VAC
9 / 25
9 / 25
50
vac_e
vac_i
vac_t
AEC
9 / 25
9 / 25
50
aec_e
aec_i
aec_t
SEC
9 / 25
9 / 25
50
sec_e
sec_i
sec_t
Average / Total
Label10
Label10
Label10
Label56
Back


Form2
SMT ZS PATEL COLLEGE OF MANAGEMENT AND TECH.
Seat No. 31
Student Name Pathan SohelKhan M.
Course BCA
Sem 4
Subject Name
Passing Marks
Marks Obtain
External
Internal
Total
External
Internal
Total
Statistical Method and R
12 / 50
12 / 50
100
15
25
40
Python (pr)
9 / 25
9 / 25
50
10
6
16
Python (th)
9 / 25
9 / 25
50
15
21
36
Web Design (pr)
9 / 25
9 / 25
50
7
119
126
Web Design (th)
9 / 25
9 / 25
50
19
17
36
OOPS (pr)
9 / 25
9 / 25
50
5
20
25
OOPS (th)
9 / 25
9 / 25
50
16
15
31
VAC
9 / 25
9 / 25
50
12
20
32
AEC
9 / 25
9 / 25
50
9
17
26
SEC
9 / 25
9 / 25
50
18
15
33
Average / Total
126
275
401
Back

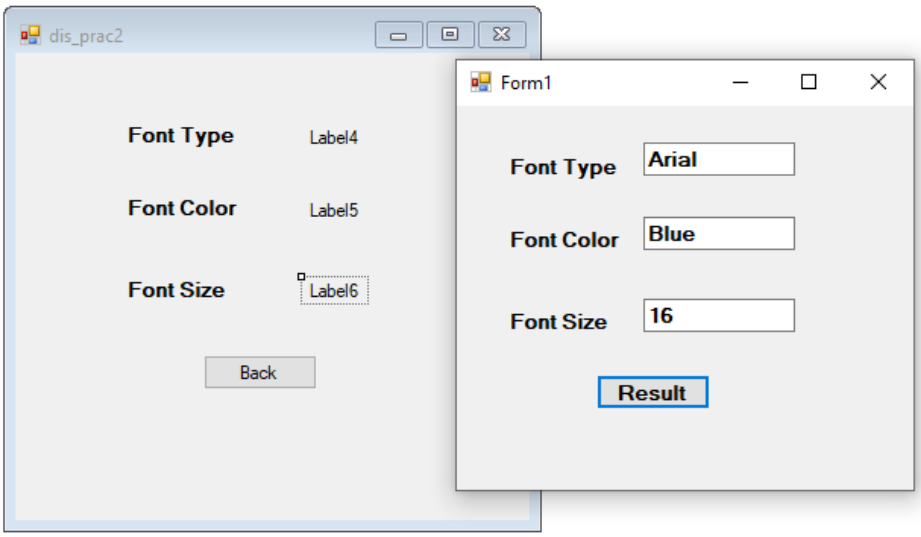
2. Create a form display font type, font color & font size in form 2

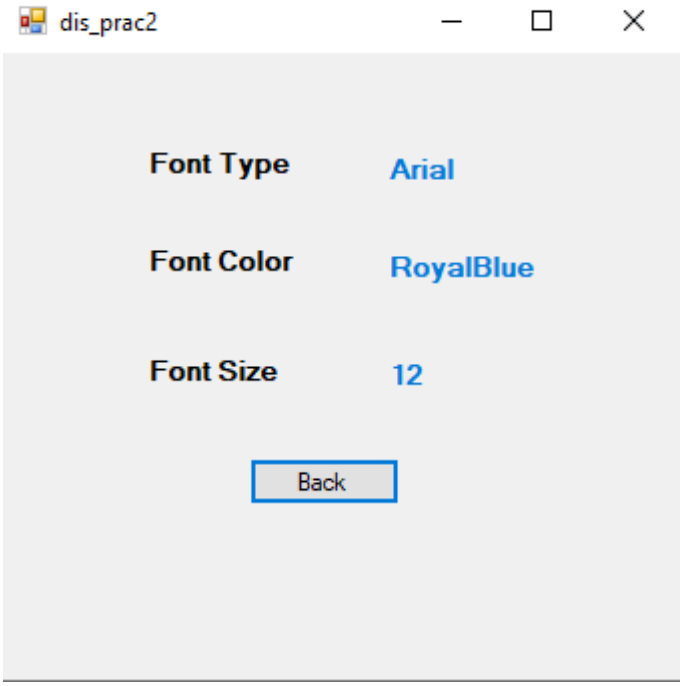
Form1.coding

```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        dis_prac2.Label4.Text = type_tb.Text
        dis_prac2.Label5.Text = color.Text
        dis_prac2.Label6.Text = size.Text

        Me.Hide()
        dis_prac2.Show()
    End Sub
End Class
```

Form2.coding

```
Public Class dis_prac2
       Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
       Button1.Click
              Me.Hide()
             Form1.Show()
       End Sub
End Class
```


dis_prac2
Font Type
Label4
Font Color
Label5
Font Size
Label6
Back
Form1
Font Type
Arial
Font Color
Blue
Font Size
16
Result


dis_prac2
Font Type
Arial
Font Color
RoyalBlue
Font Size
12
Back

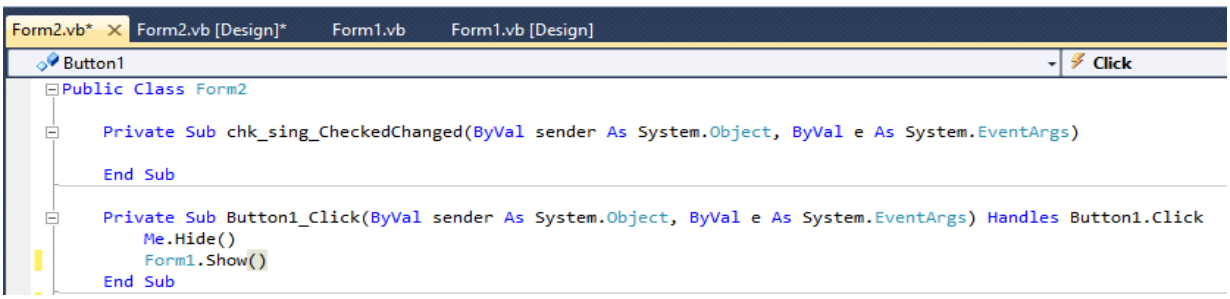
3. Create a vb.net application which takes input as a student first name, middle name, last name , course, country, stat, city, gender and hobbies. From 1st form and display it in 2nd form

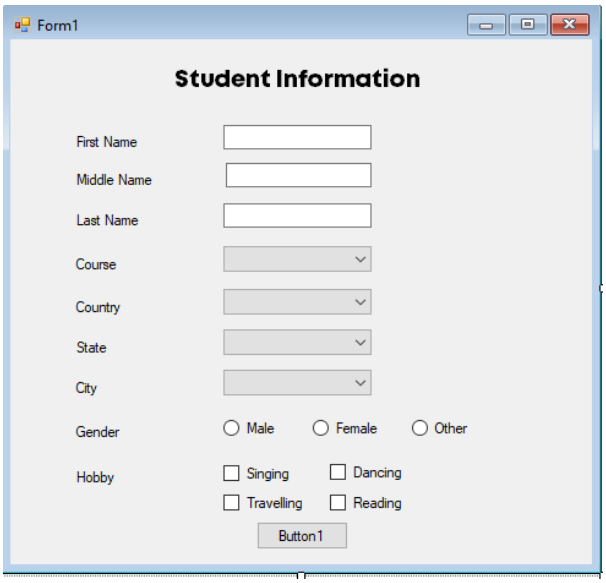
Form1.coding

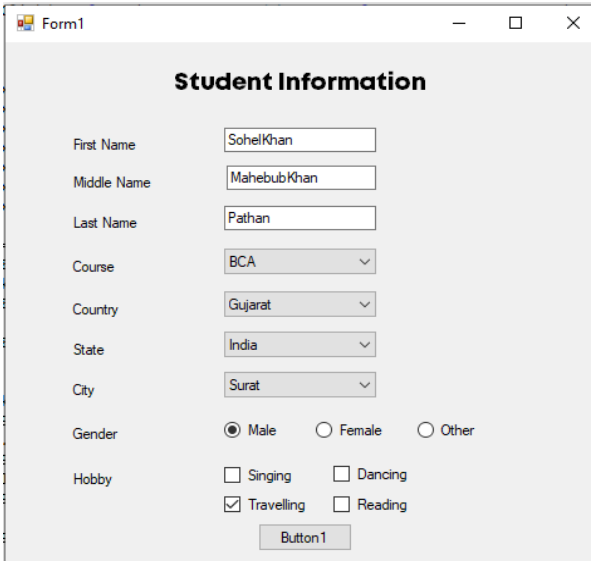
```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Me.Hide()
        Form2.Show()

        Form2.Label11.Text = fname.Text
        Form2.Label12.Text = mname.Text
        Form2.Label13.Text = lname.Text
        Form2.Label14.Text = course_cb.Text
        Form2.Label15.Text = country_cb.Text
        Form2.Label16.Text = state_cb.Text
        Form2.Label17.Text = city_cb.Text

        If mbtn.Checked = True Then
            Form2.Label18.Text = "Male"
        ElseIf fbtn.Checked = True Then
            Form2.Label18.Text = "Female"
        Else
            Form2.Label18.Text = "Other"
        End If

        If chk_sing.Checked = True Then
            Form2.Label19.Text = "singing"
        ElseIf chk_dance.Checked Then
            Form2.Label19.Text = "Dancing"
        ElseIf chk_travel.Checked Then
            Form2.Label19.Text = "Travelling"
        Else
            Form2.Label19.Text = "Reading"
        End If
    End Sub
End Class
```

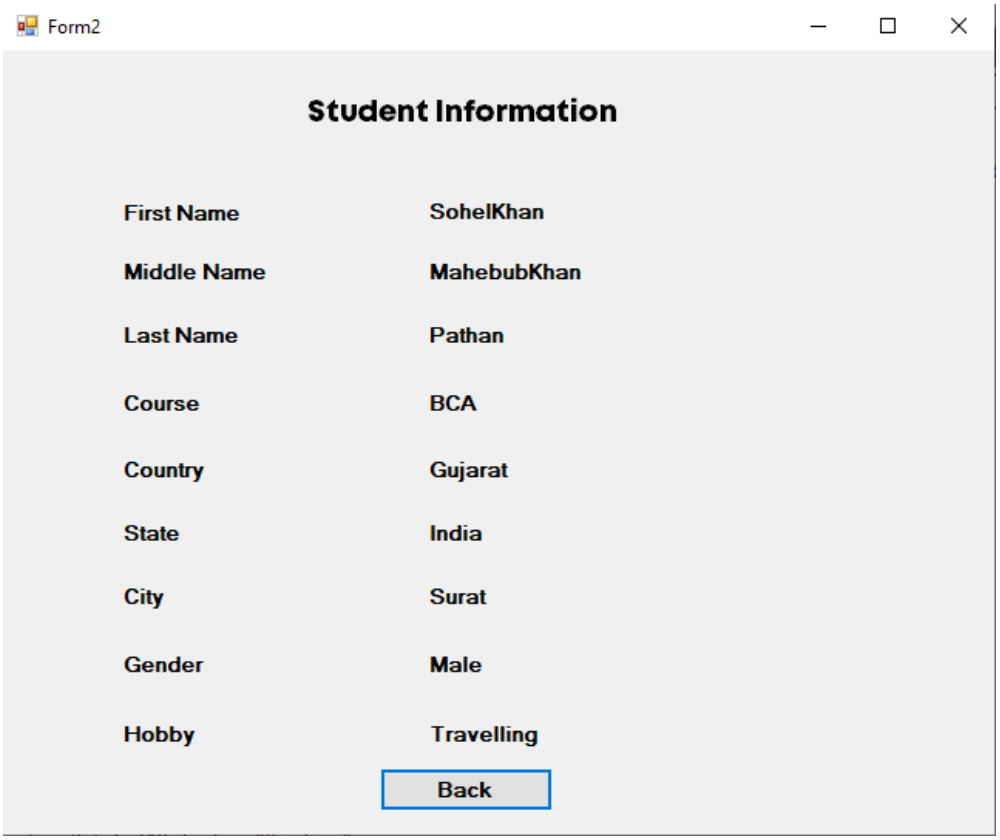
Form2.coding

```
Public Class Form2
       Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
       Button1.Click
              Me.Hide()
             Form1.Show()
       End Sub
End Class
```




Form1
Student Information
First Name
Middle Name
Last Name
Course
Country
State
City
Gender
Male
Female
Other
Hobby
Singing
Dancing
Travelling
Reading
Button1


Form1
Student Information
First Name
SohelKhan
Middle Name
MahebubKhan
Last Name
Pathan
Course
BCA
Country
Gujarat
State
India
City
Surat
Gender
Male
Female
Other
Hobby
Singing
Dancing
Travelling
Reading
Button1


Form2
Student Information
First Name
SohelKhan
Middle Name
MahebubKhan
Last Name
Pathan
Course
BCA
Country
Gujarat
State
India
City
Surat
Gender
Male
Hobby
Travelling
Back

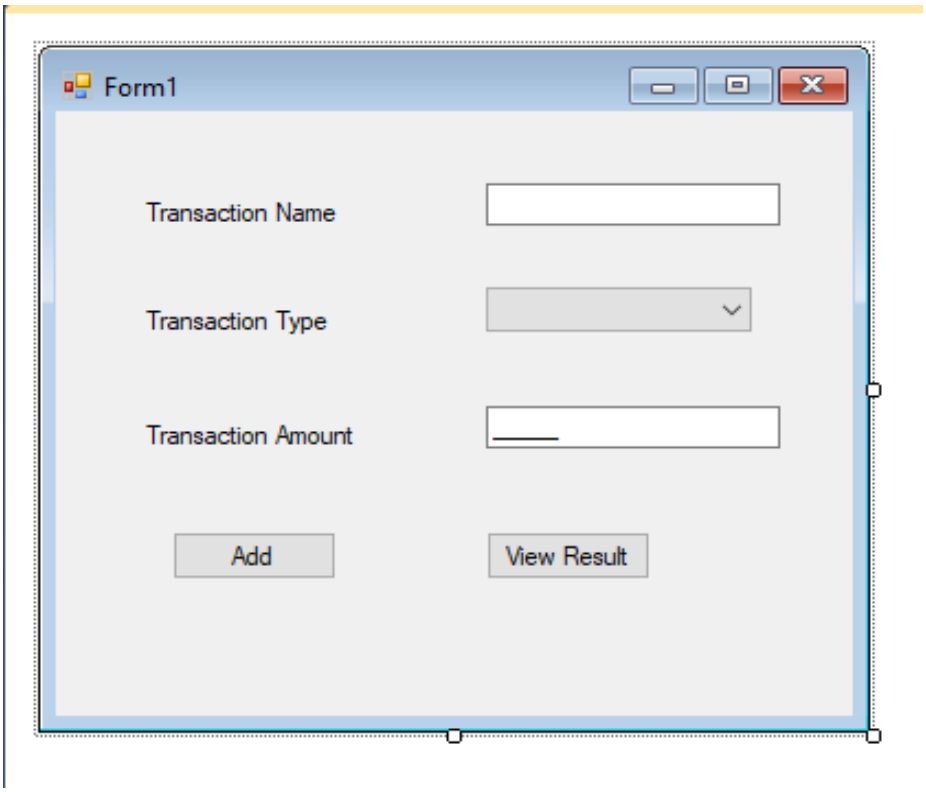
4.Create a vb.net application that facilitates the creation of trial balance sheet for financial record keeping purpose the application should allow user to input and manage the final transaction. Categories account and generate and accurate trial balance sheet provide a comprehensive overview of the company's financial position

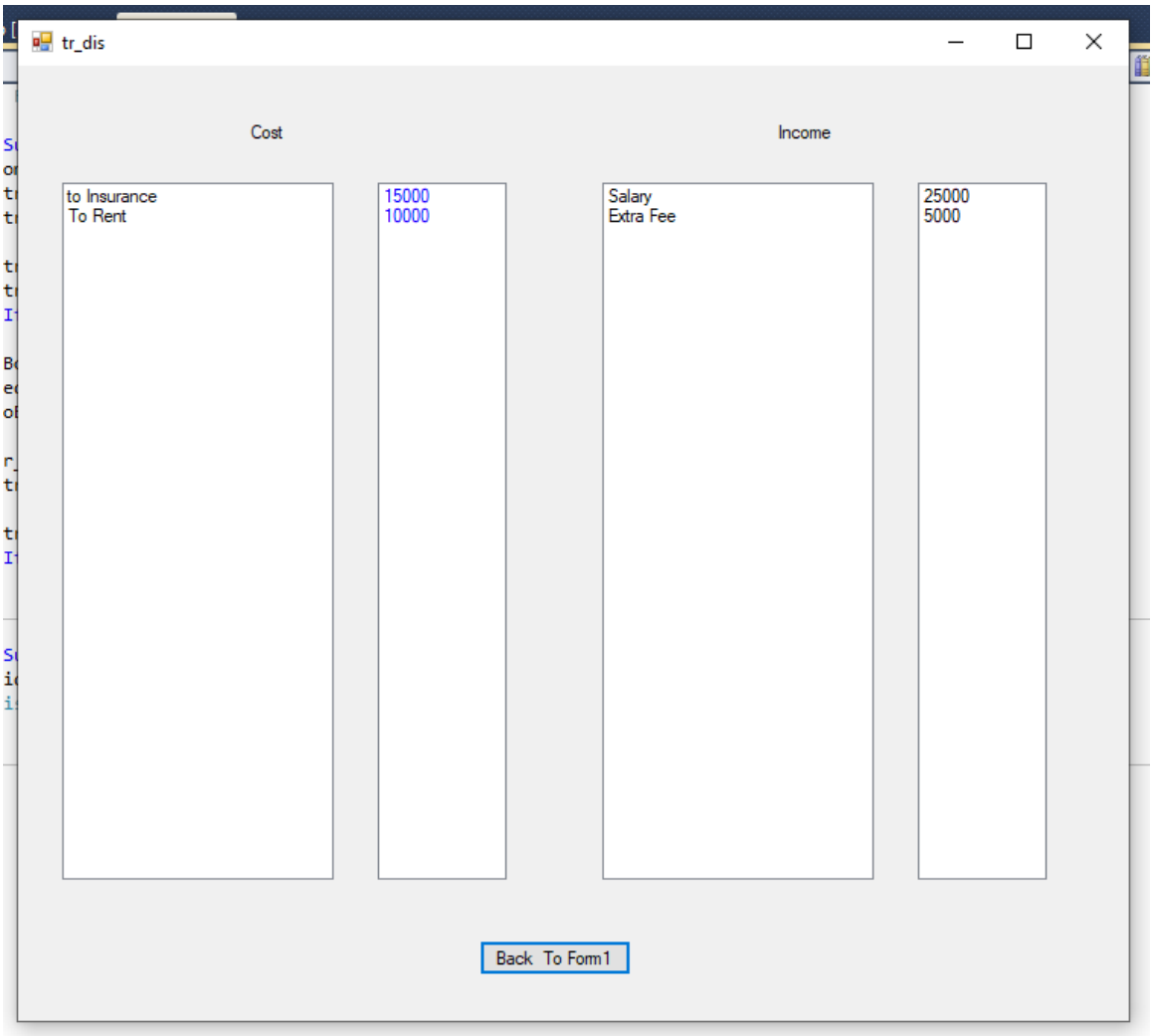
Form1.coding

```
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        If ComboBox1.Text = "Income" Then
            tr_dis.ListBox4.Items.Add(TextBox1.Text)
            tr_dis.ListBox3.Items.Add(MaskedTextBox1.Text)
        Else
            tr_dis.ListBox1.Items.Add(TextBox1.Text)
            tr_dis.ListBox2.Items.Add(MaskedTextBox1.Text)
        End If

        TextBox1.Text = ""
        MaskedTextBox1.Text = ""
        ComboBox1.SelectedIndex = 0

    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button2.Click
        Me.Hide()
        tr_dis.Show()
    End Sub
End Class
```

Form2.coding

```
Public Class tr_dis
       Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
       Button1.Click
              Me.Hide()
             Form1.Show()
       End Sub
End Class
```

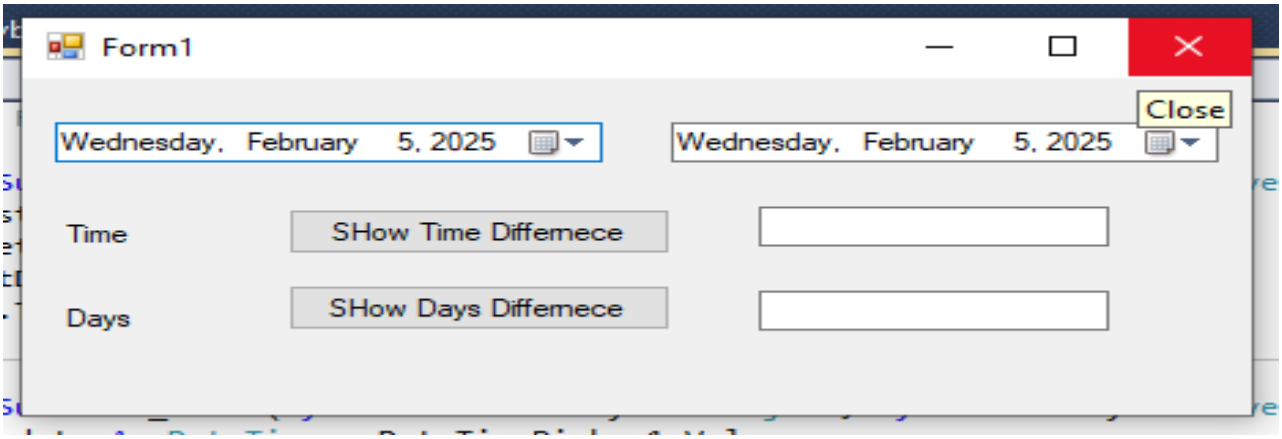

Form1
Transaction Name
Transaction Type
Transaction Amount
Add
View Result

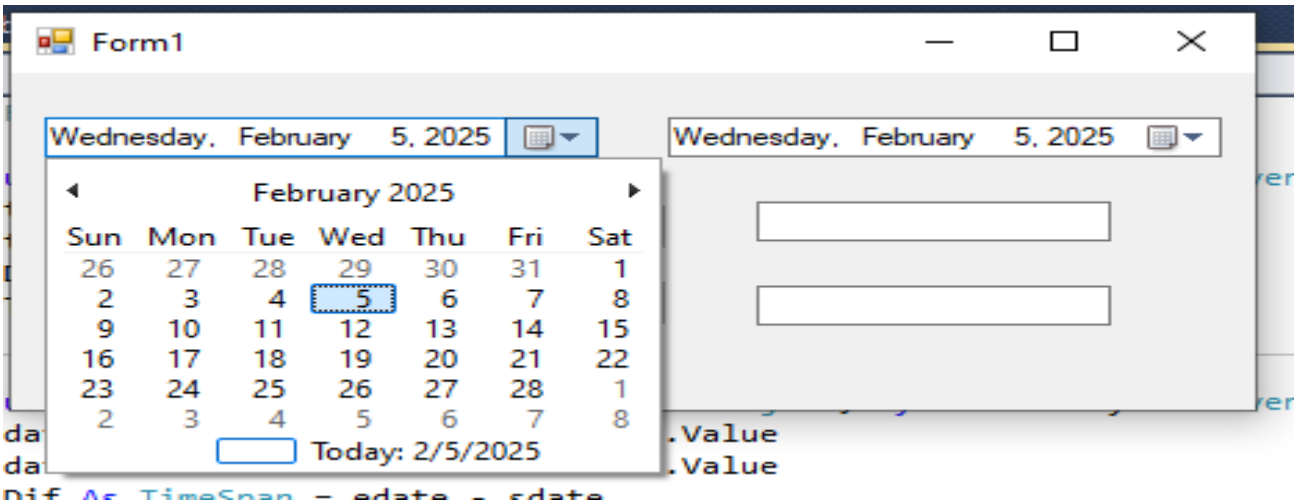

tr_dis
Cost
Income
to Insurance
To Rent
15000
10000
Salary
Extra Fee
25000
5000
Back To Form1

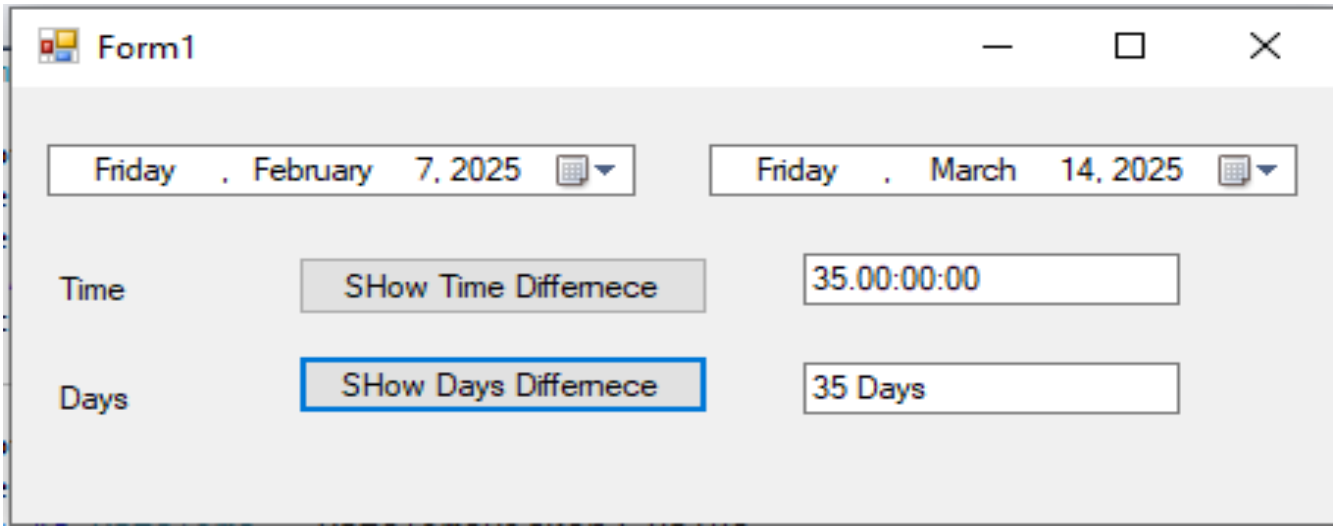
9. Create a VB.net application to calculate and print the difference between two given times and two given dates in terms of days. The application should allow users to input specific dates and times and then provide an accurate calculation of the time duration and days between the selected instances.

Form1.coding

```
Public Class Form1

    Private Sub btn1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btn1.Click
        Dim stime As DateTime = DateTimePicker1.Value
        Dim etime As DateTime = DateTimePicker2.Value
        Dim tDif As TimeSpan = etime - stime
        txt1.Text = tDif.ToString
    End Sub

    Private Sub btn2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
btn2.Click
        Dim sdate As DateTime = DateTimePicker1.Value
        Dim edate As DateTime = DateTimePicker2.Value
        Dim dDif As TimeSpan = edate - sdate
        Dim day As Integer = dDif.Days
        txt2.Text = day.ToString & " Days"
    End Sub
End Class
```



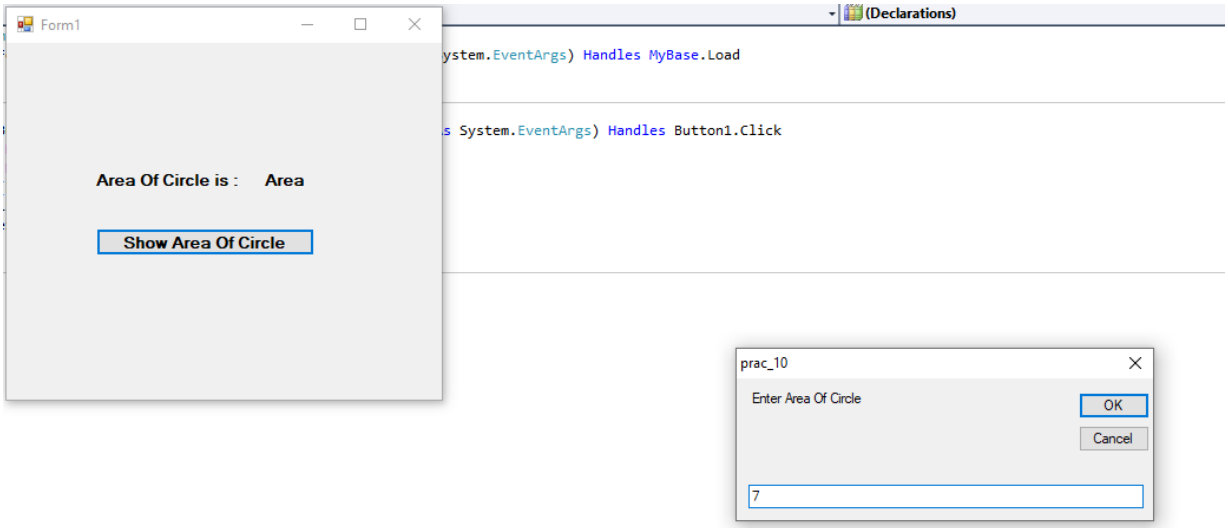

Form1
Wednesday, February 5, 2025
Wednesday, February 5, 2025
February 2025
Sun Mon Tue Wed Thu Fri Sat
26 27 28 29 30 31 1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 1
2 3 4 5 6 7 8
Today: 2/5/2025

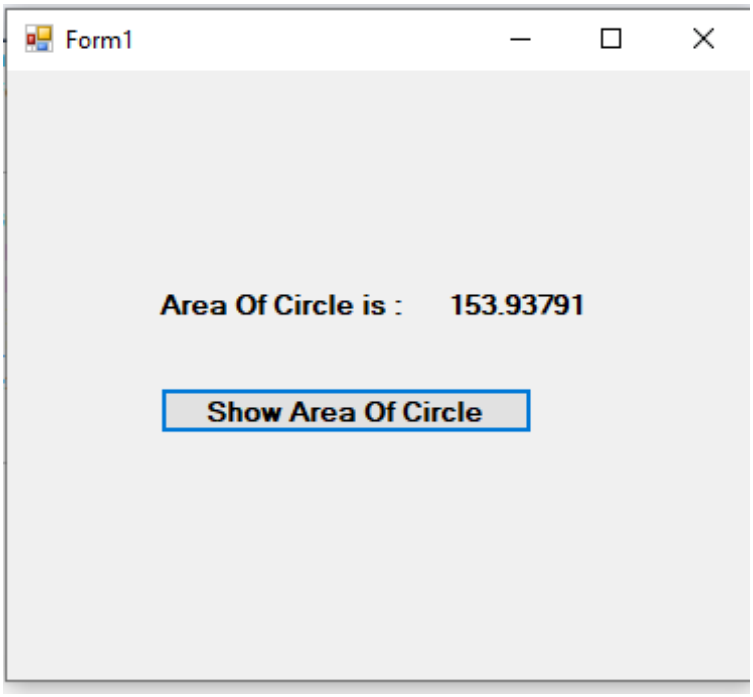

Form1
Friday , February 7, 2025
Friday , March 14, 2025
Time
SHow Time Diffemece
35.00:00:00
Days
SHow Days Diffemece
35 Days

10. Write a VB.NET program to calculate the area of a circle for given radius(try to use input box)

Form1.coding

```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim r As Double
        Dim a As Double
        r = CDbl(InputBox("Enter Area Of Circle "))
        a = 3.14159 * r * r
        Label1.Text = a
    End Sub
End Class
```

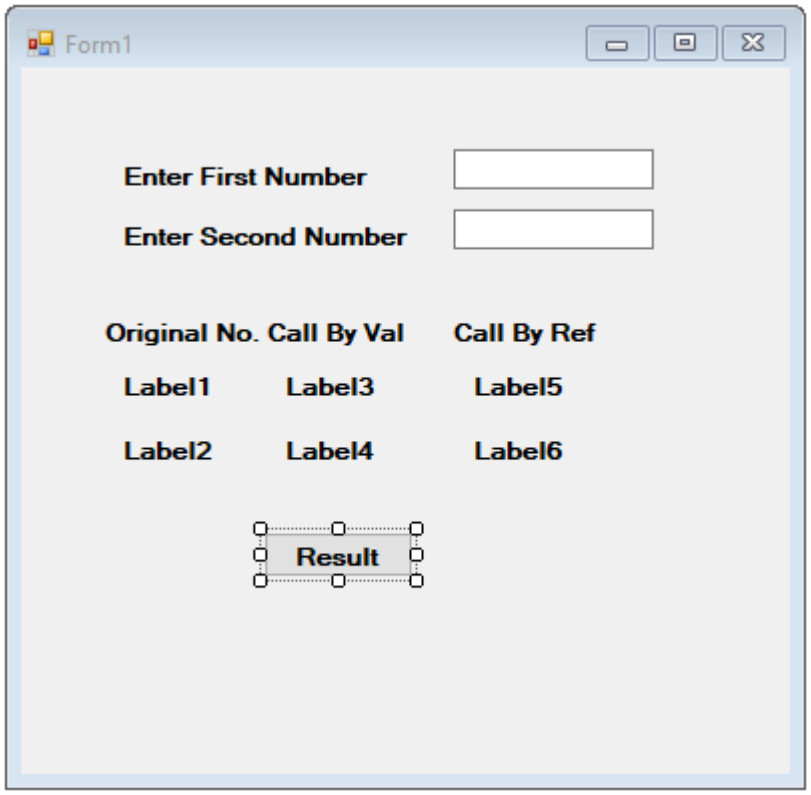


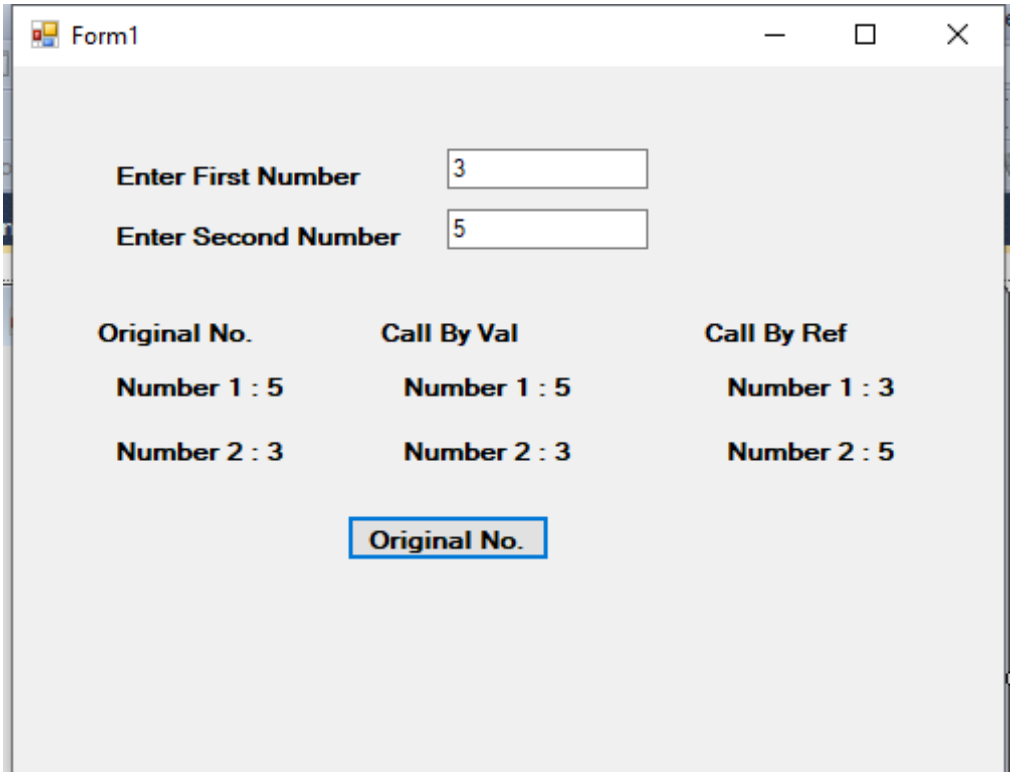


12. Write a VB.NET program to design an application to swap two numbers. (Call by Value and Callby Reference).

Form1.coding

```
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles
Button1.Click
        Dim n1 As Integer
        Dim n2 As Integer

        n1 = CInt(TextBox1.Text)
        n2 = CInt(TextBox2.Text)
        Label1.Text = "Number 1 : " & n1
        Label2.Text = "Number 2 : " & n2

        SwapByVAl(n1, n2)
        Label3.Text = "Number 1 : " & n1
        Label4.Text = "Number 2 : " & n2

        SwapByRef(n1, n2)
        Label5.Text = "Number 1 : " & n1
        Label6.Text = "Number 2 : " & n2
    End Sub
    Private Sub SwapByVAl(ByVal n1 As Integer, ByVal n2 As Integer)
        Dim temp As Integer
        temp = n1
        n1 = n2
        n2 = temp
    End Sub
    Private Sub SwapByRef(ByRef n1 As Integer, ByRef n2 As Integer)
        Dim temp As Integer
        temp = n1
        n1 = n2
        n2 = temp
    End Sub
End Class
```


Form1
Enter First Number
Enter Second Number
Original No.
Call By Val
Call By Ref
Label1
Label3
Label5
Label2
Label4
Label6
Result


Form1
Enter First Number
3
Enter Second Number
5
Original No.
Call By Val
Call By Ref
Number 1 : 5
Number 1 : 5
Number 1 : 3
Number 2 : 3
Number 2 : 3
Number 2 : 5
Original No.