PRACTICAL 2
INTRODUCTION TO WINDOWS COMMON CONTROLS

Sr No.	Program
1	Design a Form and Write, Test, Debug its properties, methods and events.
2	Write, Test and Debug program to use: i) Input Box ii) Message Box
3	Write, Test and Debug applications to create Arithmetic Calculator using Text Box, Label and Button.
4	Write, Test and Debug applications to use following Windows Controls: i) Check Box Ii) Radio Button Iii) Numeric Up Down Iv) Group Box

1. Design a form and Write, Test, Debug its properties, methods and events.

=>Public Class Form1

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

     If TextBox1.Text = "Program1" And TextBox2.Text = "Form1" Then
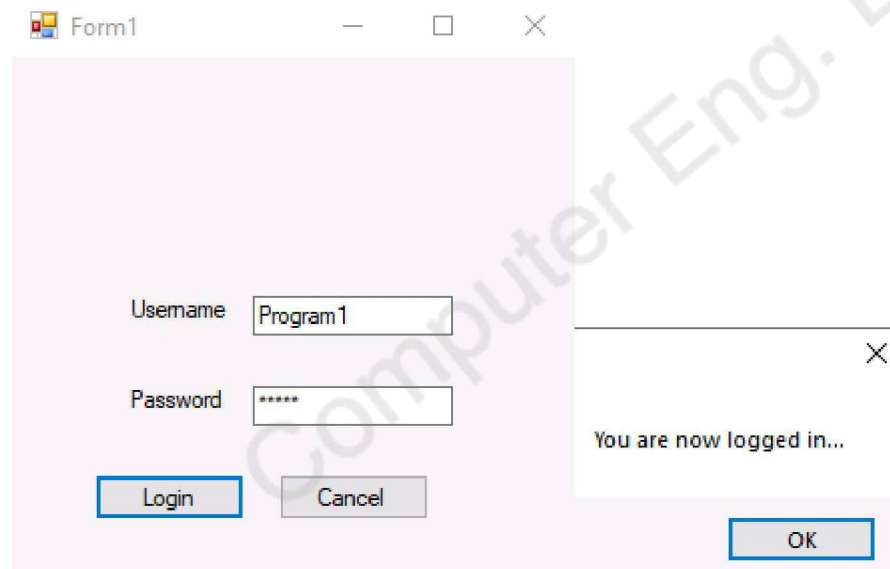
       MessageBox.Show("You are now logged in...")

     Else

       MessageBox.Show("Invalid Credentials")

     End If

   End Sub

End Class

2. Write, Test and Debug program to use:

i) Input Box

ii) Message Box

```
(General)                                                          ▼  (Declarations)
Public Class Form1

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Dim strUserName As String
        strUserName = InputBox("Type Your Name Here:", "Button1", "Type your name here.")
        If strUserName = "" Then
            'user cancelled the InputBox, so clear the label
            MessageBox.Show("")
        Else
            MessageBox.Show("Your Name is: " & strUserName)
        End If
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
        If MessageBox.Show("Do you want to exit?", "My Application",
MessageBoxButtons.YesNo, MessageBoxIcon.Question) = DialogResult.Yes Then
            Application.Exit()
        End If
    End Sub
End Class
```

Form1

InputBox   MessageBox

Button1   ✕

Type Your Name Here: OK
                                    Cancel

.NET Programming|
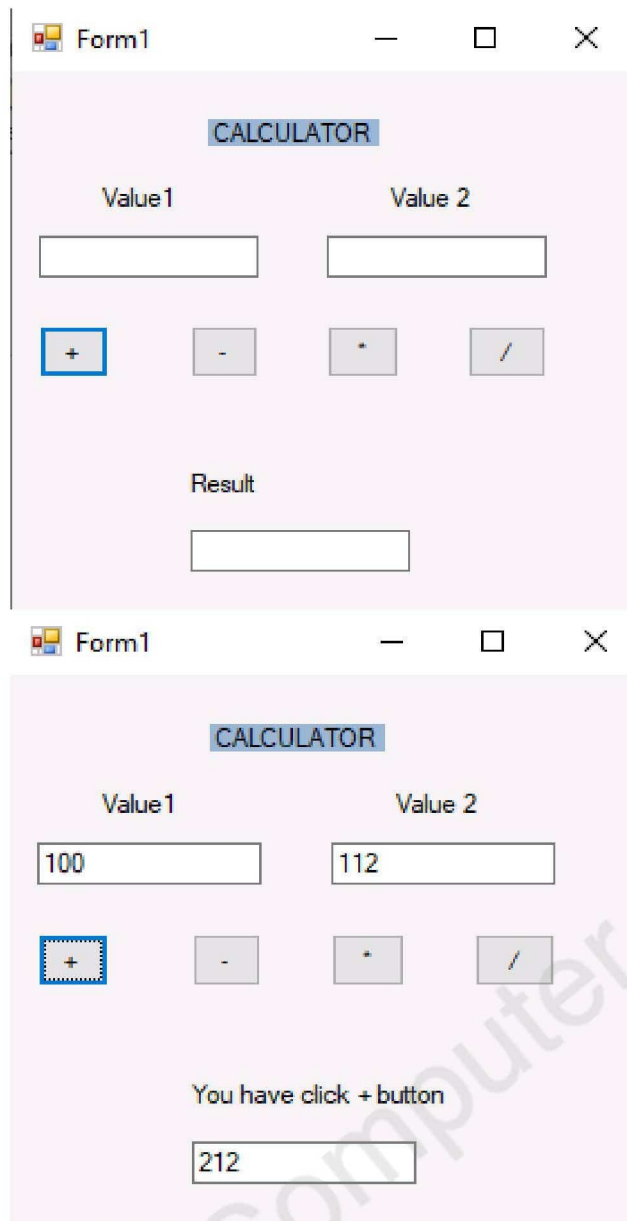
Your Name is: .NET Programming

OK

My Application

? Do you want to exit?

Yes   No

3. Write, Test and Debug applications to create Arithmetic Calculator using Text Box, Label and Button.

```vbnet
Button3                                                          ▼ | ⚡ Click

Public Class Form1
    Dim val1 As Integer
    Dim val2 As Integer
    Dim result As Integer
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        val1 = TextBox1.Text
        val2 = TextBox2.Text
        result = val1 + val2
        Label4.Text = "You have click + button"
        TextBox3.Text = result


    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
        val1 = TextBox1.Text
        val2 = TextBox2.Text
        result = val1 - val2
        Label4.Text = "You have click - button"
        TextBox3.Text = result

    End Sub

    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
        val1 = TextBox1.Text
        val2 = TextBox2.Text
        result = val1 * val2
        Label4.Text = "You have click * button"
        TextBox3.Text = result

    End Sub

    Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
        val1 = TextBox1.Text
        val2 = TextBox2.Text
        result = val1 / val2
        Label4.Text = "You have click / button"
        TextBox3.Text = result


    End Sub
End Class
```

4.Write, Test and Debug applications to use following Windows Controls

i) Check Box

ii) Radio Button

iii) Numeric Up Down

iv) Group Box

```
Button1                                                         ▼  ⚡ Click
□Public Class Form1
        Dim Fullname As String
        Dim Branch As String
        Dim Gender As String
        Dim Age As Integer
        Dim Language As String
        Dim City As String
    Public Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Fullname = TextBox1.Text & " " & TextBox2.Text
        MessageBox.Show("Name = " & Fullname)
        If CheckBox1.Checked = True Then
            Gender = CheckBox1.Text
        End If
        If CheckBox2.Checked = True Then
            Gender = CheckBox2.Text
        End If
        MessageBox.Show("Gender = " & Gender)
        If CheckBox3.Checked = True Then
            Branch = CheckBox3.Text.ToString()
        End If
        If CheckBox4.Checked = True Then
            Branch &= CheckBox4.Text.ToString()
```

```
Button1                                                         ▼  ⚡ Click
            Branch &= CheckBox4.Text.ToString()
        End If
        MessageBox.Show("Branch = " & Branch)
        If RadioButton1.Checked = True Then
            Language &= RadioButton1.Text.ToString()
        End If
        If RadioButton2.Checked = True Then
            Language &= RadioButton2.Text.ToString()
        End If
        If RadioButton3.Checked = True Then
            Language = RadioButton3.Text.ToString()
        End If
        If RadioButton4.Checked = True Then
            Language = RadioButton4.Text.ToString()
        End If
        MessageBox.Show("Language = " & Language)
        Age = NumericUpDown1.Value.ToString()
        MessageBox.Show("Age = " & Age)
        City = ComboBox1.SelectedItem.ToString()
        MessageBox.Show("City = " & City)
    End Sub
    Public Sub Form1(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

    End Sub
End Class
```

Name = Programming .NET | Gender = Male | Branch = Computer

OK | OK | OK

Language = English | Age = 20 | City = Jamnagar

OK | OK | OK