

Practical 2

Introduction to windows common control

1.) Design a form and write,test,debug its properties,methods and events.

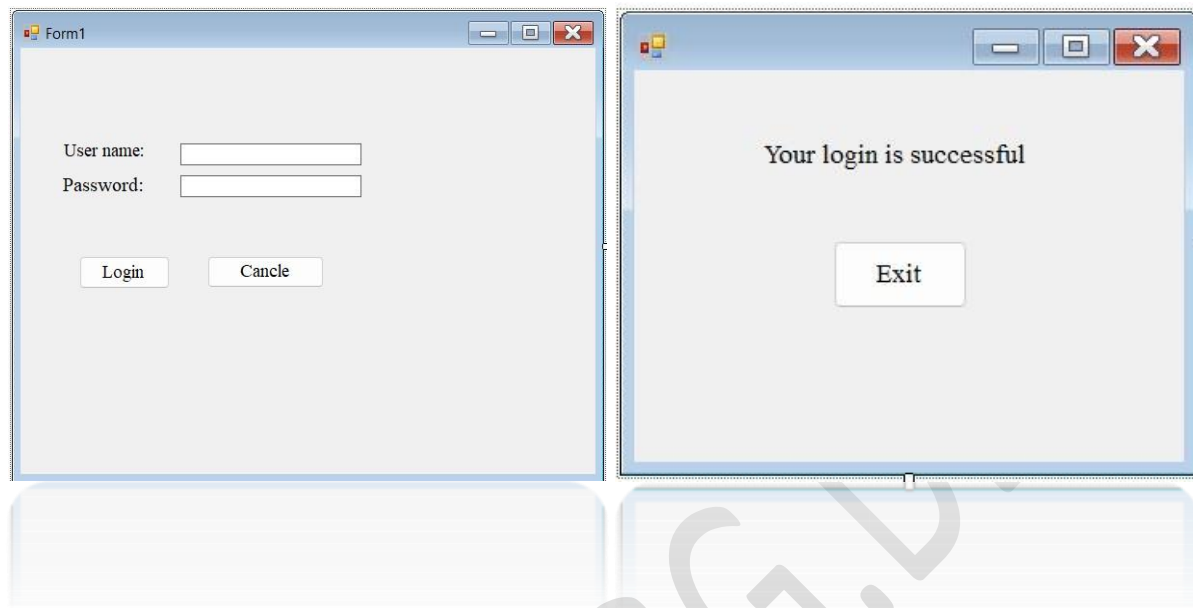
» **Solution:**

```
Public Class Form1
    Dim username As Integer
    Dim password As Integer

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        If TextBox1.Text = "jay" And TextBox2.Text = "student" Then
            form2.Show()
            Me.Hide()
        Else
            MsgBox("incorrect password")
        End If
    End Sub

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

```
Public Class form2
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Me.Close()
        Form1.Close()
    End Sub
End Class
```

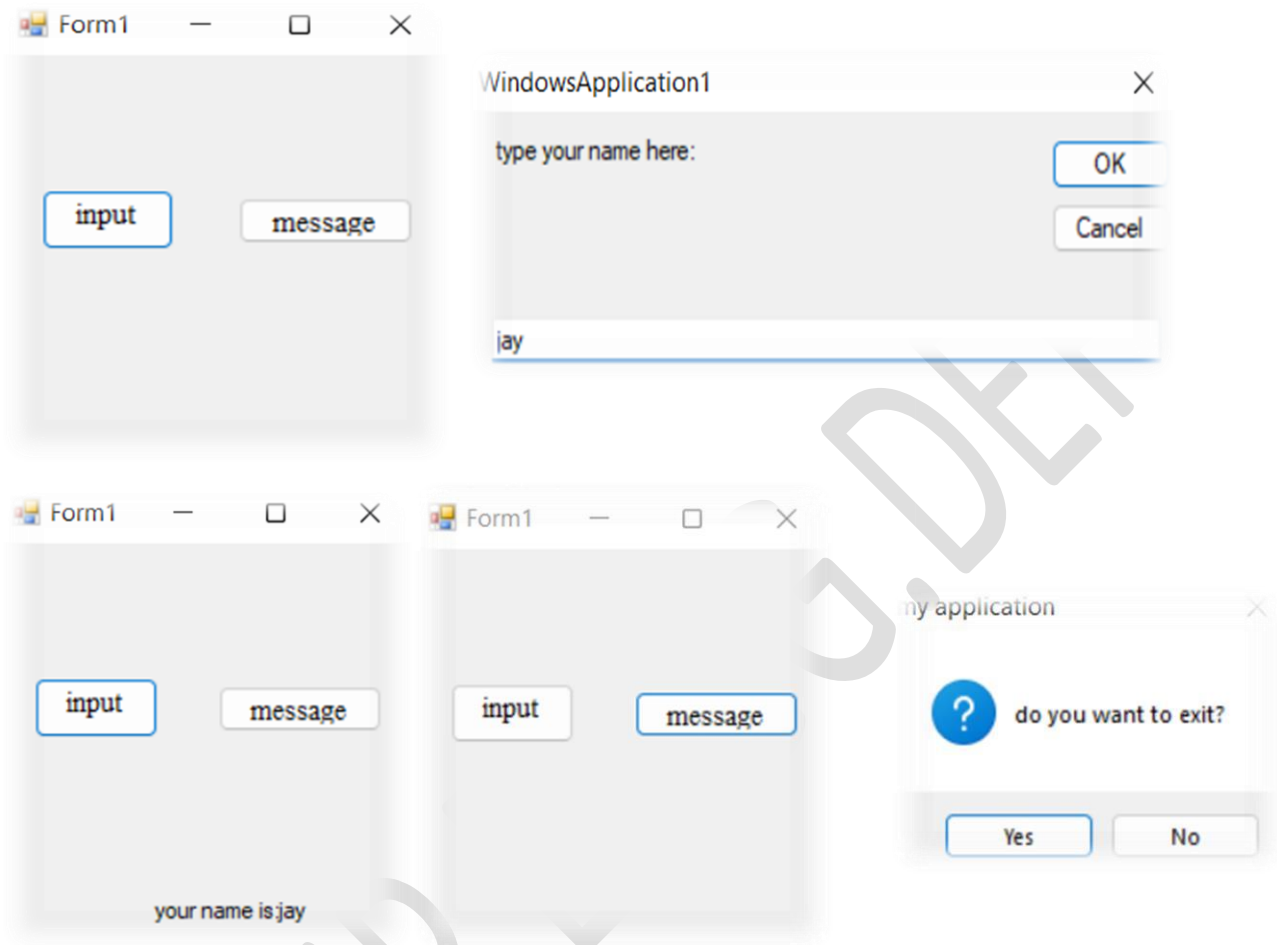


»2.} write, test, and debug program to use following windows controls. i)input box ii)message box

Solution:

```
Form1.vb X Form1.vb [Design]
Button1 Click
Public Class Form1
    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        Dim username As String
        username = InputBox("type your name here:")
        If username = "" Then
            student.Text = ""
        Else
            student.Text = "your name is:" & username
        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
```



» 3.} write, test and debug applications to create arithmetic calculator using text box,label and button.

» Solution:

```
Form1.vb x Form1.vb [Design]
Button2 Click
Public Class Form1
    Dim a As Integer
    Dim b As Integer
    Dim c As Integer

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        a = TextBox1.Text
        b = TextBox3.Text
        c = a + b
        TextBox2.Text = ("your ans is:" & c)
    End Sub

    Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
        a = TextBox1.Text
        b = TextBox3.Text
        c = a - b
        TextBox2.Text = ("your ans is:" & c)
    End Sub

    Private Sub Button3_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click
        a = TextBox1.Text
        b = TextBox3.Text
        c = a * b
        TextBox2.Text = ("your ans is:" & c)
    End Sub

    Private Sub Button4_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click
        a = TextBox1.Text
        b = TextBox3.Text
        c = a / b
        TextBox2.Text = ("your ans is:" & c)
    End Sub

    Private Sub Button5_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click
        a = TextBox1.Text
        b = TextBox3.Text
        c = a \ b
        TextBox2.Text = ("your ans is:" & c)
    End Sub

    Private Sub Button6_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button6.Click
        a = TextBox1.Text
        b = TextBox3.Text
        c = a Mod b
        TextBox2.Text = ("your ans is:" & c)
    End Sub
End Class
```

form 1

ARITHMETIC OPERATIONS

Value 1: 30 Value 2: 20

+ - * / \ %

Result: your ans is:50

» 4.) write, test and debug applications to use following windows controls.

» I) check box

» II) radio button

» III) numericupdown

» IV) group box

» solution:

Form1.vb x Form1.vb [Design]

Button1 Click

```
Public Class Form1
    Dim studentname As String
    Dim branch As String
    Dim VBGender As String
    Dim age As Integer
    Dim language As String
    Dim city As String

    Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
        studentname = TextBox1.Text & " " & TextBox2.Text
        MessageBox.Show("name=" & studentname)
        If RadioButton1.Checked = True Then
            VBGender = RadioButton1.Text
        End If
        If RadioButton2.Checked = True Then
            VBGender = RadioButton2.Text
        End If
        MessageBox.Show("gender=" & VBGender)
        If RadioButton3.Checked = True Then
            branch = RadioButton3.Text
        End If
        If RadioButton4.Checked = True Then
            branch = RadioButton4.Text
        End If
        MessageBox.Show("branch=" & branch)
        If CheckBox1.Checked = True Then
            language &= CheckBox1.Text
        End If
        If CheckBox2.Checked = True Then
            language &= CheckBox2.Text
        End If
        If CheckBox3.Checked = True Then
            language &= CheckBox3.Text
        End If
        MessageBox.Show("language=" & language)
        age = NumericUpDown1.Value
        MessageBox.Show("age=" & age)
        city = ComboBox1.SelectedItem
        MessageBox.Show("city=" & city)

    End Sub

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

    End Sub
End Class
```

Form1

STUDENT REGISTRATION

First name Last name

Gender ☒ Male ☐ Female

branch ☒ Computer ☐ Chemical

Language ☒ Hindi ☒ English ☒ Gujarati

Age

City

name=jay dave

OK

gender=Male

OK

branch=Computer

OK

language=HindiEnglishGujrati

OK

age=18

OK

city=jamnagar

OK