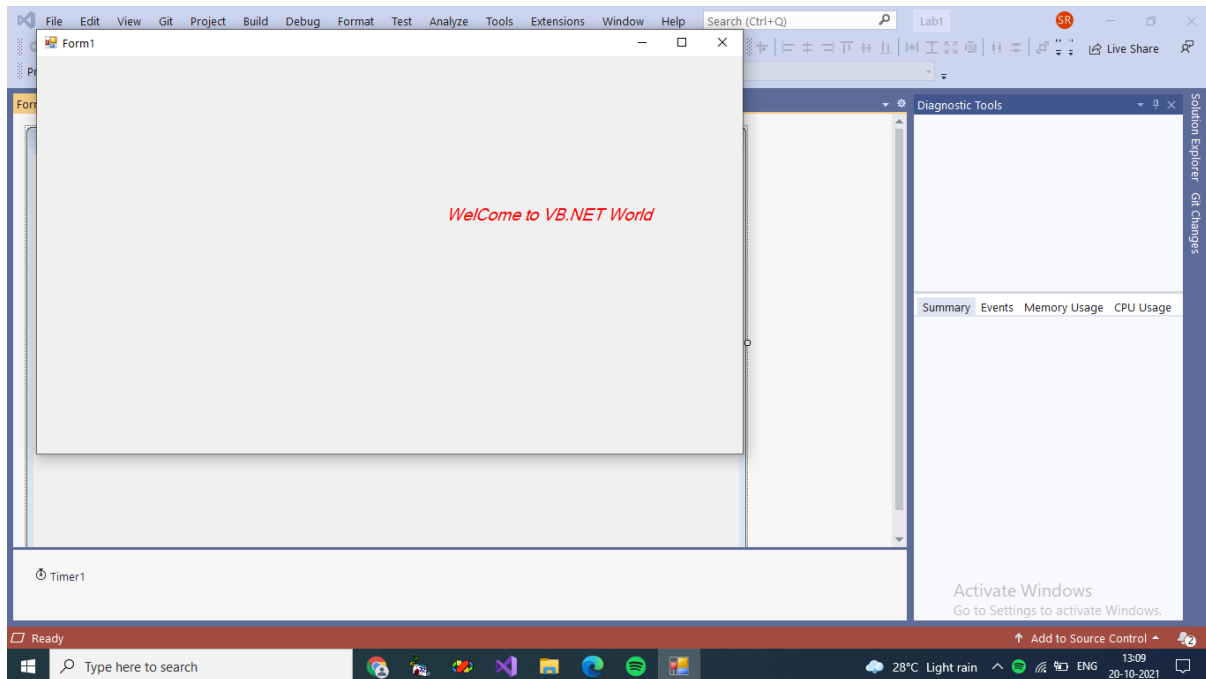1] Vb.Net program to move the text continuously from left to right

(a) Design

b) Code

```
Public Class Form1
    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick

        If Label1.Left >= Me.Width Then
            Label1.Left = -100
        Else
            Label1.Left = Label1.Left + 10
        End If

    End Sub


End Class
```
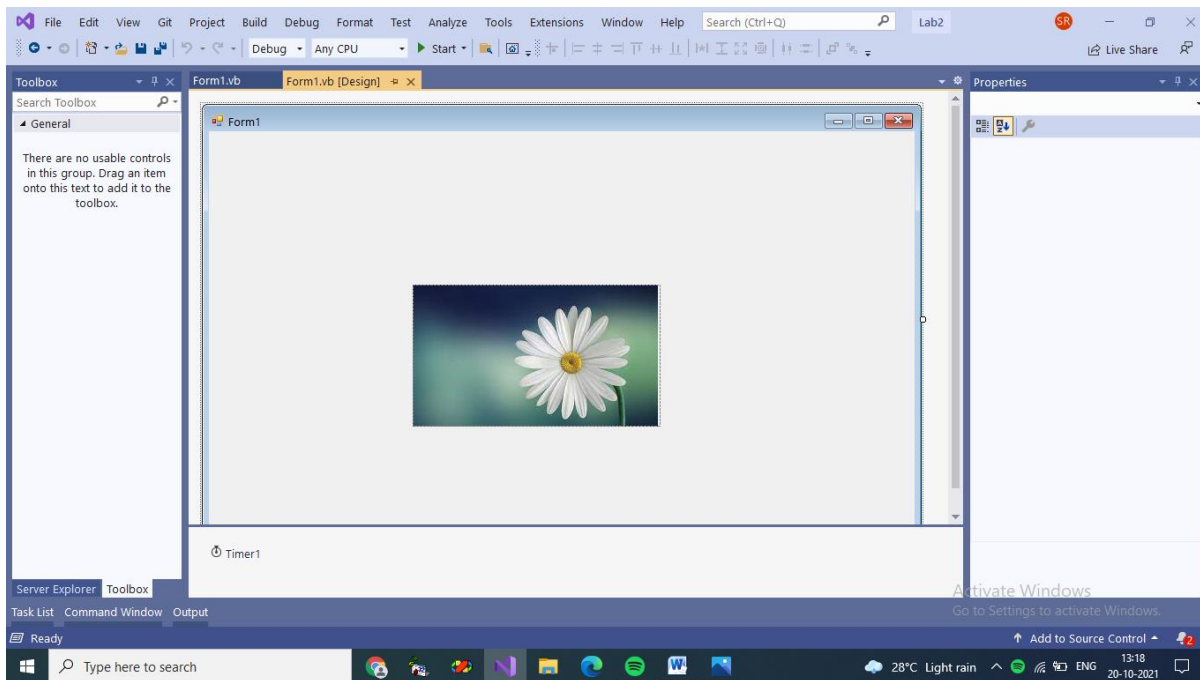
2] Vb.Net program for blinking an image

a)   Design

b)   Code

```vbnet
Public Class Form1
    Private Sub Timer1_Tick(sender As Object, e As EventArgs) Handles Timer1.Tick

        If PictureBox1.Visible = True Then
            PictureBox1.Visible = False
        Else
            PictureBox1.Visible = True
        End If

    End Sub
End Class
```
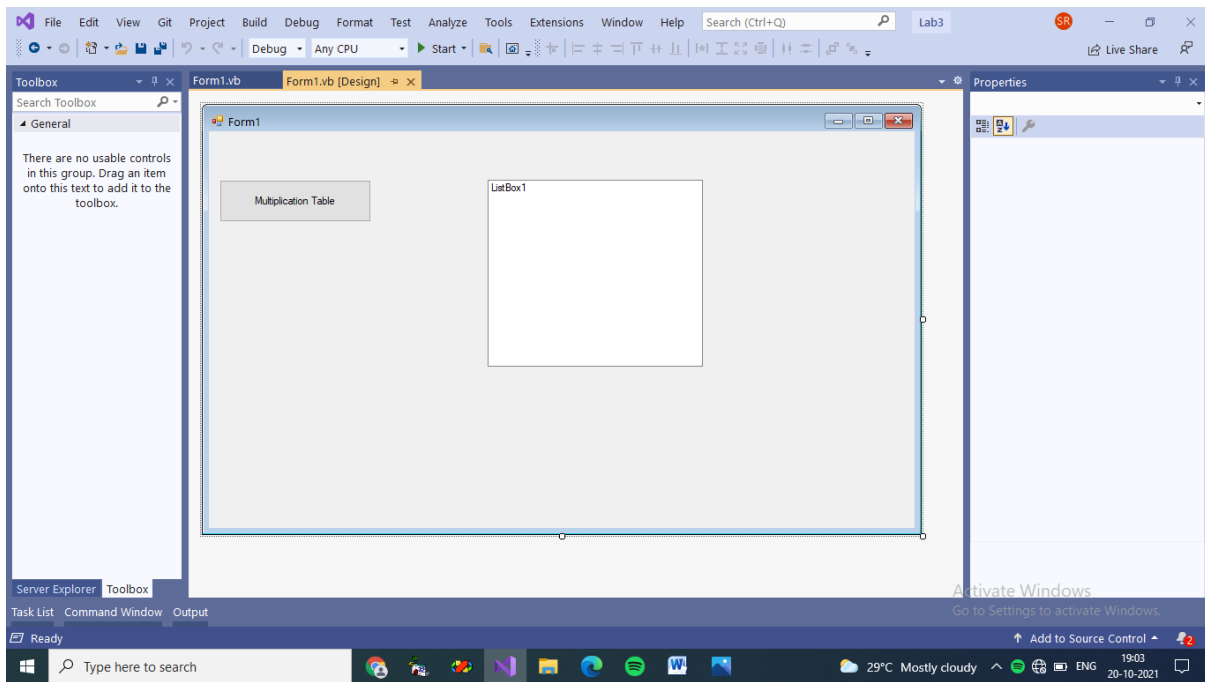
3] Vb.Net program to accept a number from the user through input box and display its multiplication table in the list box

a) Design

b) Code

```vb
Public Class Form1
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

        ListBox1.Items.Clear()

        Dim n As Integer
        Dim i As Integer


        n = InputBox("Enter Number to Dislay Multiplication table", "Multilication Table", 2, 150, 180)

        For i = 1 To 10
            ListBox1.Items.Add(n & " * " & i & " =" & i * n)

        Next


    End Sub
End Class
```
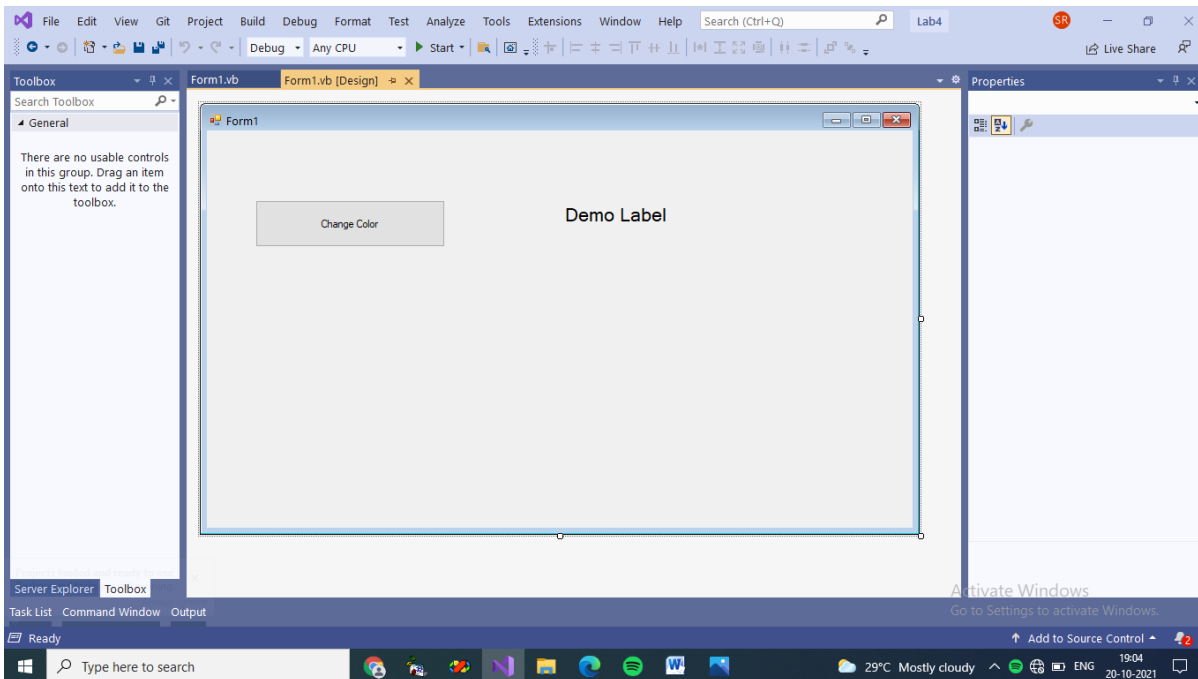
4] Write a VB.Net program to change the color of the component

a) Design

b) Code

```vb
Public Class Form1
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

        Dim objColorDlg As New ColorDialog

        If objColorDlg.ShowDialog = Windows.Forms.DialogResult.OK Then
            Label1.BackColor = objColorDlg.Color
        End If
    End Sub
End Class
```
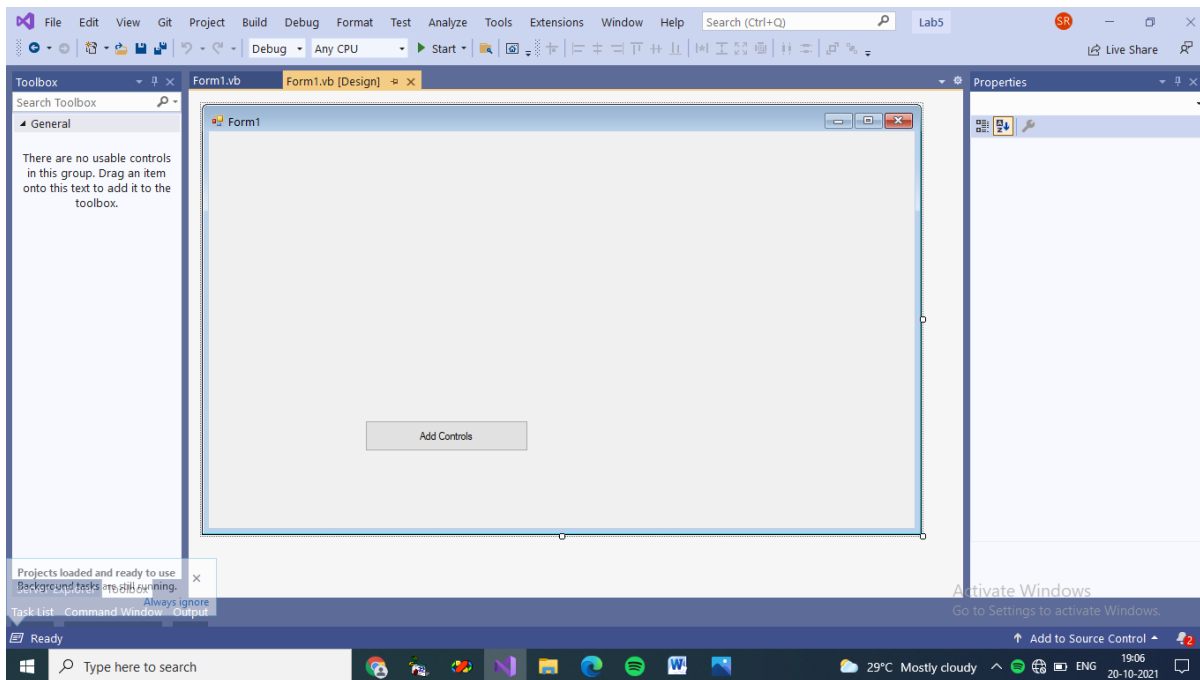
5] Write a VB.Net program to add 2 textboxex, 2 label buttons and 1 button at runtime

a) Design

c) code

```vb
Public Class Form1
    Dim t1, t2 As New TextBox
    Dim l1, l2 As New Label

    Dim c1 As New ComboBox
    Dim d As New Button

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

        Controls.Add(l1)
        Controls.Add(l2)
        Controls.Add(t1)
        Controls.Add(t2)


        Controls.Add(c1)
        Controls.Add(d)

        l1.Left = 100
        l1.Top = 60
        l2.Left = 100
        l2.Top = 100
        t1.Left = 200
        t1.Top = 50
```

```vbnet
            t2.Left = 200
            t2.Top = 100

            c1.Left = 300
            c1.Top = 200
            l1.Text = "Input 1"
            '
            l2.Text = "Input 2"
    End Sub
End Class
```
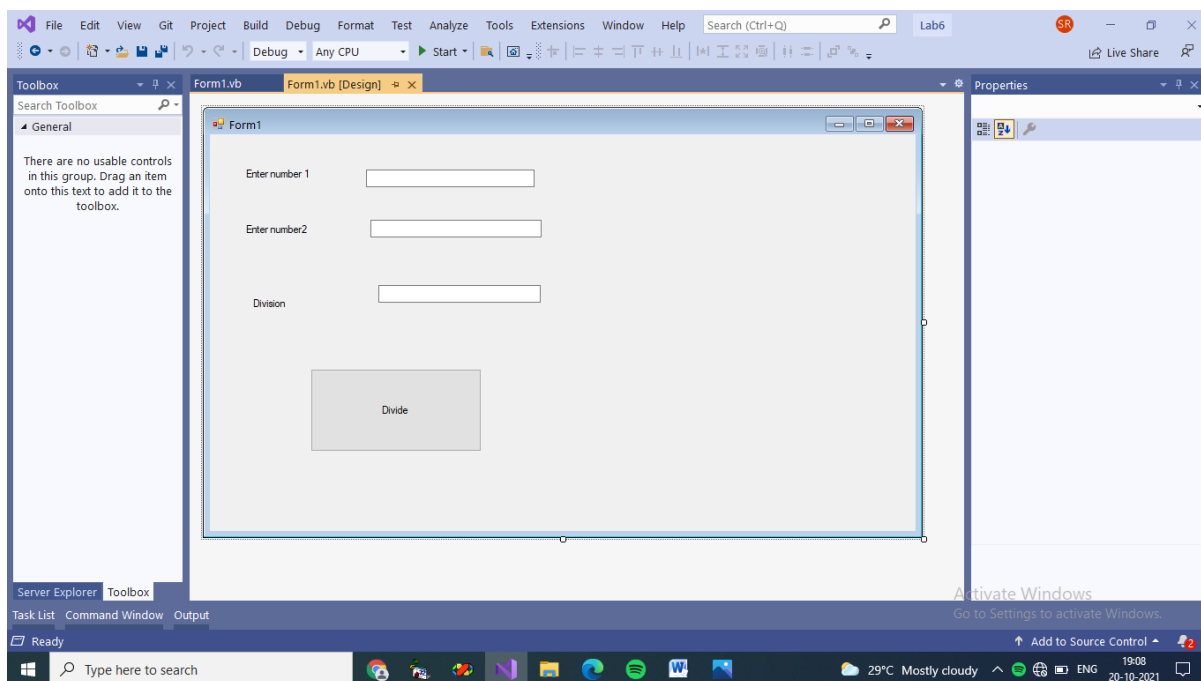
6] Write a VB.Net program to accept 2 numbers in a textboxes and handle DivideByZero exception

a) design

b) Code

```vbnet
Public Class Form1
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

        Dim ans, n1, n2 As Double

        n1 = CDbl(TextBox1.Text)
        n2 = CDbl(TextBox2.Text)
```

```vbnet
        Try
            ans = n1 \ n2
        Catch ex As DivideByZeroException

            MsgBox("Divide By Zero Exception Caughted")

        Finally
            TextBox3.Text = ans
        End Try


    End Sub
End Class
```
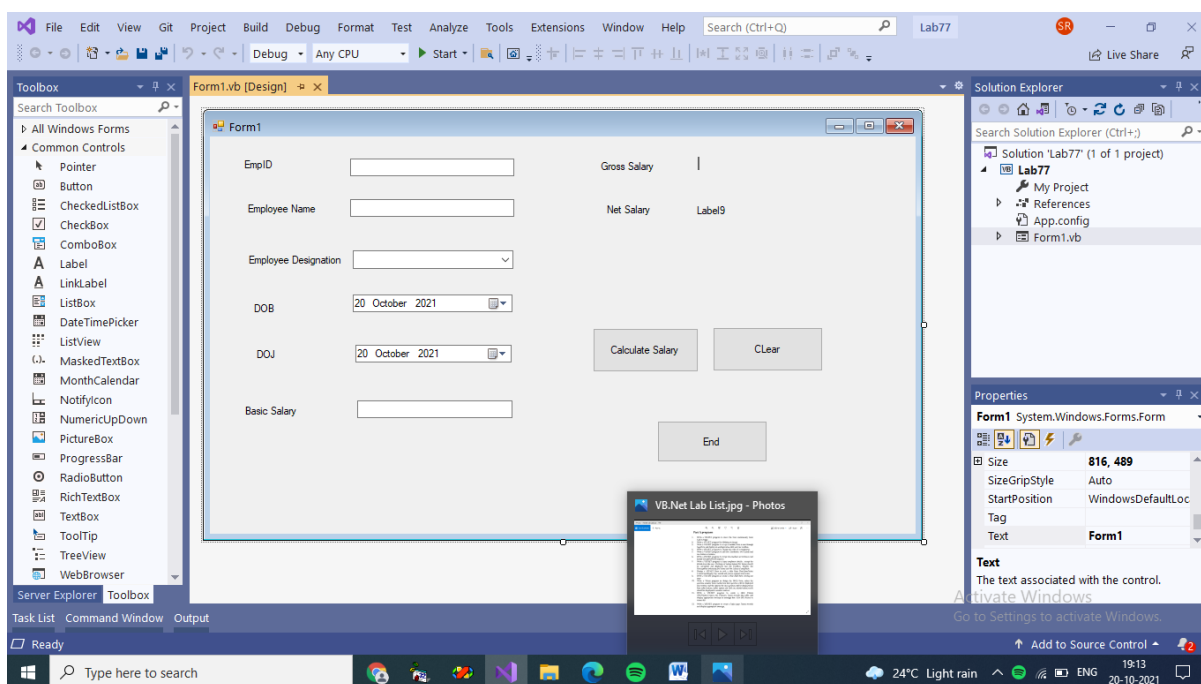
7] Write a Vb.net program to design following screen, accept the details from the user. Clicking on Submit button Net Salary should be calculated and displayed into the TextBox. Display the MessageBox informing the Name and Net Salary of employee.

a) design

c)   Code

```vbnet
Public Class Form1
    Private Sub cmdsalary_Click(sender As Object, e As EventArgs) Handles
cmdsalary.Click
        Dim HRA, DA, PF, IT, Gross, NetS As Double
        Dim basic As Double
        basic = CDbl(txtbasic.Text)
```

```vb
        Select Case basic
            Case 10000 To 20000
                DA = basic * 0.1
                HRA = basic * 0.12
                IT = 0
                PF = 1200
            Case 20000 To 30000
                DA = basic * 0.15
                HRA = basic * 0.17
                IT = 1000
                PF = 1400

            Case 30000 To 50000
                DA = basic * 0.2
                HRA = basic * 0.22
                IT = 1500
                PF = 1600
            Case Is >= 50000
                DA = basic * 0.25
                HRA = basic * 0.27
                IT = 2500
                PF = 1800
            Case Else
                MsgBox("Invalid Basic")
        End Select
        Gross = basic + DA + HRA
        NetS = Gross - IT - PF

        lblGross.Text = Gross
        lblNet.Text = NetS

        MsgBox("Name = " & txtempname.Text & "and Net Salary = " & NetS)


    End Sub

    Private Sub cmdclear_Click(sender As Object, e As EventArgs) Handles cmdclear.Click
        txtEmpID.Text = ""
        txtempname.Text = ""
        cmbDesg.Text = ""
        'dtpDOB.Value = ""
        'dtpDOJ.Value = ""
```

```vb
        txtbasic.Text = ""
        lblGross.Text = ""
        lblNet.Text = ""

    End Sub

    Private Sub cmdend_Click(sender As Object, e As EventArgs) Handles cmdend.Click
        End
    End Sub
End Class
```
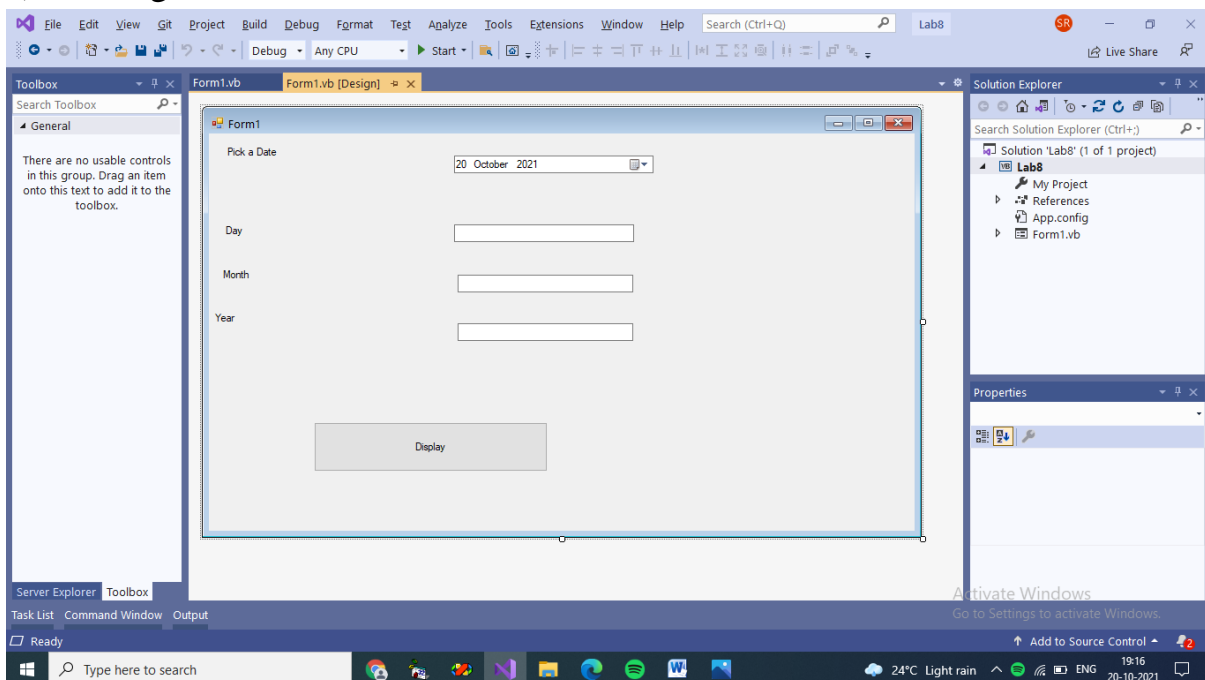
8] Design a Vb.net form to pick a date from DateTimePicker Control and display day, month and year in separate text boxes

a)   Design

b)   Code

```vb
Public Class Form1
    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click

        MsgBox(DateTimePicker1.Value)

        TextBox1.Text = DateTimePicker1.Value.Day

        TextBox2.Text = Month(DateTimePicker1.Value)

        TextBox3.Text = Year(DateTimePicker1.Value)
```
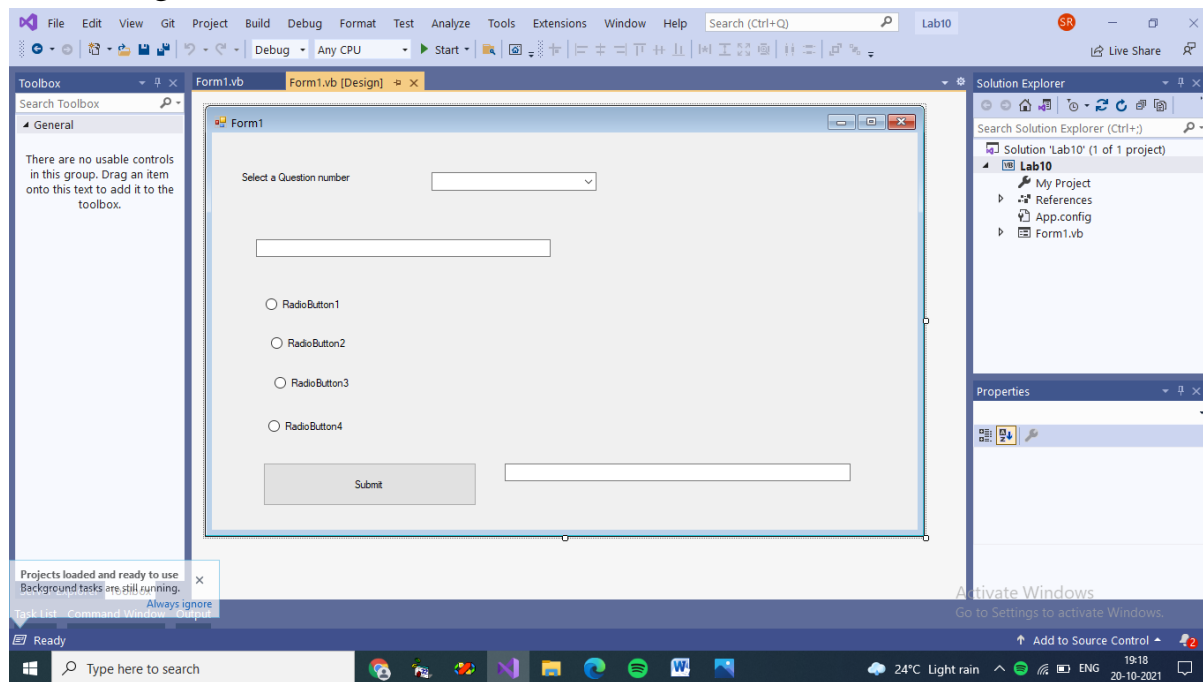
10] Write a Vb.net program to design the MCQ form, select the question number from combo box that question will be displayed into textbox and the options for that question will be displayed on four radio buttons, select option and click on submit button result should be displayed in another textbox.

a) Design

b) Code

```vb
Public Class Form1
    Private Sub ComboBox1_SelectedIndexChanged(sender As Object, e As EventArgs) Handles ComboBox1.SelectedIndexChanged

        Select Case ComboBox1.Text
            Case 1
                TextBox1.Text = "Who is the president of India"
                RadioButton1.Text = "A"
                RadioButton2.Text = "B"
                RadioButton3.Text = "Ramnath Kovind"
                RadioButton4.Text = "D"
            Case 2
                TextBox1.Text = "C++ is which type of language"
                RadioButton1.Text = "OOP"
```

```vbnet
                RadioButton2.Text = "B"
                RadioButton3.Text = "Ramnath Kovind"
                RadioButton4.Text = "D"
            Case 3
                TextBox1.Text = "Stack is also called as"
                RadioButton1.Text = "A"
                RadioButton2.Text = "B"
                RadioButton3.Text = "Ramnath Kovind"
                RadioButton4.Text = "LIFO"
        End Select

    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs) Handles Button1.Click
        If ComboBox1.SelectedItem = 1 Then
            If RadioButton3.Checked = True Then
                TextBox2.Text = "Correct"
            Else
                TextBox2.Text = "wrong answer, correct answer is : Ramanth Kovind"

            End If
        End If

        If ComboBox1.SelectedItem = 2 Then
            If RadioButton1.Checked = True Then
                TextBox2.Text = "Correct"
            Else
                TextBox2.Text = "wrong answer, correct answer is : OOP"

            End If
        End If
        If ComboBox1.SelectedItem = 3 Then
            If RadioButton4.Checked = True Then
                TextBox2.Text = "Correct"
            Else
                TextBox2.Text = "wrong answer, correct answer is : LIFO"

            End If
        End If
    End Sub
End Class
```