

11) VB program using Textbox, Label, and Command Button Control

vb

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Public Class Form1

Private Label1 As New Label()

Private TextBox1 As New TextBox()

Private Button1 As New Button()

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Label1.Text = "Enter Text:"

Label1.Location = New Point(20, 20)

TextBox1.Location = New Point(20, 50)

TextBox1.Width = 150

Button1.Text = "Show Text"

Button1.Location = New Point(20, 90)

Me.Controls.Add(Label1)

Me.Controls.Add(TextBox1)

Me.Controls.Add(Button1)

AddHandler Button1.Click, AddressOf Button1_Click

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs)

MessageBox.Show("You entered: " & TextBox1.Text)

End Sub

End Class

12) VB program using Checkbox and Option Button Control

vb

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Public Class Form1

Private CheckBox1 As New CheckBox()

Private RadioButton1 As New RadioButton()

Private RadioButton2 As New RadioButton()

Private Button1 As New Button()

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

CheckBox1.Text = "Accept Terms"

CheckBox1.Location = New Point(20, 20)

RadioButton1.Text = "Male"

RadioButton1.Location = New Point(20, 50)

RadioButton2.Text = "Female"

RadioButton2.Location = New Point(20, 80)

Button1.Text = "Submit"

Button1.Location = New Point(20, 120)

Me.Controls.Add(CheckBox1)

Me.Controls.Add(RadioButton1)

Me.Controls.Add(RadioButton2)

Me.Controls.Add(Button1)

AddHandler Button1.Click, AddressOf Button1_Click

End Sub

Private Sub Button1_Click(sender As Object, e As EventArgs)

Dim message As String = "Terms Accepted: " & CheckBox1.Checked.ToString() & vbCrLf

```
If RadioButton1.Checked Then
    message &= "Gender: Male"
ElseIf RadioButton2.Checked Then
    message &= "Gender: Female"
End If
MessageBox.Show(message)
End Sub
End Class
```

13) VB program using List Box Control and Combo Box Control

vb

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Public Class Form1

```
Private ListBox1 As New ListBox()
```

```
Private ComboBox1 As New ComboBox()
```

```
Private Button1 As New Button()
```

```
Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
    ListBox1.Location = New Point(20, 20)
```

```
    ListBox1.Items.AddRange(New String() {"Item 1", "Item 2", "Item 3"})
```

```
    ComboBox1.Location = New Point(20, 80)
```

```
    ComboBox1.Items.AddRange(New String() {"Option A", "Option B", "Option C"})
```

```
    Button1.Text = "Show Selection"
```

```
    Button1.Location = New Point(20, 130)
```

```
    Me.Controls.Add(ListBox1)
```

```
    Me.Controls.Add(ComboBox1)
```

```
    Me.Controls.Add(Button1)
```

```

        AddHandler Button1.Click, AddressOf Button1_Click
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs)
        MessageBox.Show("List Box: " & ListBox1.SelectedItem & vbCrLf & "Combo Box: " &
        ComboBox1.SelectedItem)
    End Sub
End Class

```

14) VB program using Validation Control

```

vb
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Public Class Form1
    Private TextBox1 As New TextBox()
    Private Button1 As New Button()

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
        TextBox1.Location = New Point(20, 20)

        Button1.Text = "Validate"
        Button1.Location = New Point(20, 60)

        Me.Controls.Add(TextBox1)
        Me.Controls.Add(Button1)

        AddHandler Button1.Click, AddressOf Button1_Click
    End Sub

    Private Sub Button1_Click(sender As Object, e As EventArgs)
        If String.IsNullOrEmpty(TextBox1.Text) Then
            MessageBox.Show("Input cannot be empty!", "Validation Error", MessageBoxButtons.OK,
            MessageBoxIcon.Warning)
        End If
    End Sub
End Class

```

```
Else
    MessageBox.Show("Valid Input: " & TextBox1.Text)
End If
End Sub
End Class
```

15) VB program for Arithmetic Operation

vb

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Public Class Form1

```
Private TextBox1 As New TextBox()
```

```
Private TextBox2 As New TextBox()
```

```
Private Button1 As New Button()
```

```
Private LabelResult As New Label()
```

```
Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
```

```
    TextBox1.Location = New Point(20, 20)
```

```
    TextBox2.Location = New Point(20, 60)
```

```
    Button1.Text = "Add"
```

```
    Button1.Location = New Point(20, 100)
```

```
    LabelResult.Location = New Point(20, 140)
```

```
    Me.Controls.Add(TextBox1)
```

```
    Me.Controls.Add(TextBox2)
```

```
    Me.Controls.Add(Button1)
```

```
    Me.Controls.Add(LabelResult)
```

```
    AddHandler Button1.Click, AddressOf Button1_Click
```

```
End Sub
```

```

Private Sub Button1_Click(sender As Object, e As EventArgs)

    Dim num1 As Integer = Integer.Parse(TextBox1.Text)

    Dim num2 As Integer = Integer.Parse(TextBox2.Text)

    LabelResult.Text = "Sum: " & (num1 + num2).ToString()

End Sub

End Class

```

16) VB program for Web Server Control

vb

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Imports System.Net

Public Class Form1

Private Button1 As New Button()

Private Label1 As New Label()

Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

Button1.Text = "Get IP Address"

Button1.Location = New Point(20, 20)

Label1.Location = New Point(20, 60)

Label1.Width = 300

Me.Controls.Add(Button1)

Me.Controls.Add(Label1)

AddHandler Button1.Click, AddressOf Button1_Click

End Sub

```

Private Sub Button1_Click(sender As Object, e As EventArgs)

    Dim host As String = Dns.GetHostName()

    Dim ip As String = Dns.GetHostByName(host).AddressList(0).ToString()

    Label1.Text = "Your IP Address: " & ip

End Sub

End Class

```

18) VB.NET Program to Create an Ad Rotator for Hotel Advertisement

This program rotates hotel advertisement messages every few seconds using a **Label** and a **Timer**.

vb

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```

Public Class Form1

    Private LabelAd As New Label()

    Private TimerAd As New Timer()

    Private ads As String() = {

        "Stay at Grand Hotel - Luxury at its best!",

        "50% off this weekend at Seaside Resort!",

        "Book now! Cozy stays at Mountain View Inn.",

        "Enjoy a beachside vacation at SunRise Hotel!"

    }

    Private adIndex As Integer = 0

    Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load

        ' Set Label properties

        LabelAd.Location = New Point(50, 50)

        LabelAd.AutoSize = True

        LabelAd.Font = New Font("Arial", 12, FontStyle.Bold)

```

```

LabelAd.Text = ads(0)

' Set Timer properties
TimerAd.Interval = 3000 ' Change ad every 3 seconds
TimerAd.Enabled = True

' Add controls to form
Me.Controls.Add(LabelAd)

' Add event handler
AddHandler TimerAd.Tick, AddressOf TimerAd_Tick
End Sub

Private Sub TimerAd_Tick(sender As Object, e As EventArgs)
    ' Rotate the ads
    adIndex = (adIndex + 1) Mod ads.Length
    LabelAd.Text = ads(adIndex)
End Sub
End Class

```

19) VB.NET Program to Check Eligibility for Voting Using Calendar Control

This program allows the user to select their date of birth using a **DateTimePicker** and checks whether they are eligible to vote (18+ years old).

vb

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```
Public Class Form1
```

```
    Private Label1 As New Label()
```



```

Private DateTimePicker1 As New DateTimePicker()

Private ButtonCheck As New Button()

Private LabelResult As New Label()


Private Sub Form1_Load(sender As Object, e As EventArgs) Handles MyBase.Load
    ' Set Label properties
    Label1.Text = "Select Your Date of Birth:"
    Label1.Location = New Point(20, 20)


    ' Set DateTimePicker properties
    DateTimePicker1.Location = New Point(20, 50)
    DateTimePicker1.Format = DateTimePickerFormat.Short


    ' Set Button properties
    ButtonCheck.Text = "Check Eligibility"
    ButtonCheck.Location = New Point(20, 90)


    ' Set Result Label properties
    LabelResult.Location = New Point(20, 130)
    LabelResult.Width = 250
    LabelResult.Font = New Font("Arial", 10, FontStyle.Bold)


    ' Add controls to form
    Me.Controls.Add(Label1)
    Me.Controls.Add(DateTimePicker1)
    Me.Controls.Add(ButtonCheck)
    Me.Controls.Add(LabelResult)


    ' Add event handler
    AddHandler ButtonCheck.Click, AddressOf ButtonCheck_Click
End Sub

```

```
Private Sub ButtonCheck_Click(sender As Object, e As EventArgs)

    Dim birthDate As Date = DateTimePicker1.Value

    Dim currentDate As Date = Date.Today

    Dim age As Integer = currentDate.Year - birthDate.Year

    ' Adjust age if birthdate hasn't occurred yet this year
    If birthDate > currentDate.AddYears(-age) Then
        age -= 1
    End If

    ' Check eligibility
    If age >= 18 Then
        LabelResult.Text = "You are eligible to vote!"
        LabelResult.ForeColor = Color.Green
    Else
        LabelResult.Text = "You are NOT eligible to vote."
        LabelResult.ForeColor = Color.Red
    End If

End Sub

End Class
```