Assignment-16

Q. W.A.P. For Form Registration.

➢ Code:

```vbnet
Imports System.Text.RegularExpressions

Public Class Form1

    'Function for name validation

    'Idea from stackoverflow

    'https://stackoverflow.com/questions/46520546/is-there-an-
    isalpha-function-in-vb-net

    Public Function checkname(ByVal name As String) As Boolean

        Dim a As Byte

        If name = "" Then

            Return False

        End If


        For a = 0 To Len(name) - 1

            If IsNumeric(name(a)) Then

                Return False

            End If

        Next

        Return True

    End Function

    'Function for Phone Number Validation

    Public Function check_number(ByVal number As String) As
Boolean

        If number = "" Then

            Return False

        ElseIf Len(number) < 10 Then

            Return False
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        Else

            Return True

        End If

    End Function

    'Function For Email Validation

    'Help From Stackoverflow

    'https://stackoverflow.com/questions/10129374/textbox-email-
validation

    Public Function checkEmail(ByVal email As String) As Boolean

        Dim patten As String = "^[a-zA-Z][\w\.-]*[a-zA-Z0-9]@[a-
zA-Z0-9][\w\.-]*[a-zA-Z0-9]\.[a-zA-Z][a-zA-Z\.]*[a-zA-Z]$"

        Dim match_email As Match = Regex.Match(email, patten)

        If match_email.Success Then

            Return True

        Else

            Return False

        End If

    End Function

    Public Function check_form(ByVal name As String, ByVal age As
String, ByVal email As String, ByVal number As String) As Boolean

        ' Checking Phone Number Validation

        If Not check_number(number) Then

            MsgBox("Invalid Number")

            Return False

            'Checking Email Validation

        ElseIf Not checkEmail(email) Then

            MsgBox("Invalid Email")

            Return False
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        'Checking Name Validation

    ElseIf Not checkname(name) Then

        MsgBox("Invalid Name")

        Return False

        'Checking Age Validation

    ElseIf age = "" Or age < 1 Then

        MsgBox("Invalid Age")

        Return False

    Else

        Return True

    End If

End Function

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

    'Checking All The Validation

    If check_form(TextBox1.Text, TextBox2.Text, TextBox4.Text, TextBox5.Text) Then

        Dim hob(5), gen As String

        Dim i As Byte = 0

        Dim a As Byte

        For Each b As RadioButton In GroupBox1.Controls.OfType(Of RadioButton)()

            If b.Checked = True Then

                gen = b.Text

            End If

        Next

        For Each c As CheckBox In GroupBox2.Controls.OfType(Of CheckBox)()

            If c.Checked Then
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                hob(i) = c.Text

            End If

            i += 1

        Next

        For a = 0 To i - 1

            If hob(a) = "" Then

                Continue For

            Else

                MsgBox(hob(a))

            End If

        Next

        MsgBox("Your Form Is Submited.")

        MsgBox("Name Is: " & TextBox1.Text & vbCrLf & "Age Is:
" & TextBox2.Text & vbCrLf & "date Of Birth is: " &
DateTimePicker1.Value & vbCrLf & "E-Mail: " & TextBox4.Text &
vbCrLf & "Phone Number is: " & TextBox5.Text & vbCrLf & "Gender
Is: " & gen)

        End If

    End Sub

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

        Me.BackgroundImage =
Image.FromFile("C:\Users\Ashish\Desktop\bca assingments\sem-
4\vb\FormValidation\bg.png")

    End Sub

End Class
```

 ➢ Output:

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