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1	Design a Registration form Default.aspx page with fields Username, choose password, confirm password, age, email id, mobileno and a submit button. Use: a) RequiredFieldValidator - for Username b) CompareValidator - for Confirm password field. c) RangeValidator - for Age field. d) d) RegularExpressionValidator - for Email field. e) CustomValidator - for mobile no field.		
2	Write a program to perform to design a simple calculator to perform addition, subtraction, multiplication and division.		
3	Design a user interface to print the result student with total marks and percentage.		
4	Write a program Day of the Date.		
5	Create a Database “DbStudent”. Create following table. tbl_student (stud_id, stud_rollno, stud_name, stud_class, stud_department) • Write a simple program to demonstrate Insertion of data into database. • Write a program to show recodes in GridView Control. • Write a program to print the Student Name and Student Class based on the Student Department (Search Functionality). • Write a program to update student record. • Write a program to delete particular student record.		

1. Design a Registration form Default.aspx page with fields Username, choose password, confirm password, age, email id, mobileno and a submit button.
   Use:
   f) RequiredFieldValidator - for Username
   g) CompareValidator - for Confirm password field.
   h) RangeValidator - for Age field. d)
   i) RegularExpressionValidator - for Email field.
   j) CustomValidator - for mobile no field.

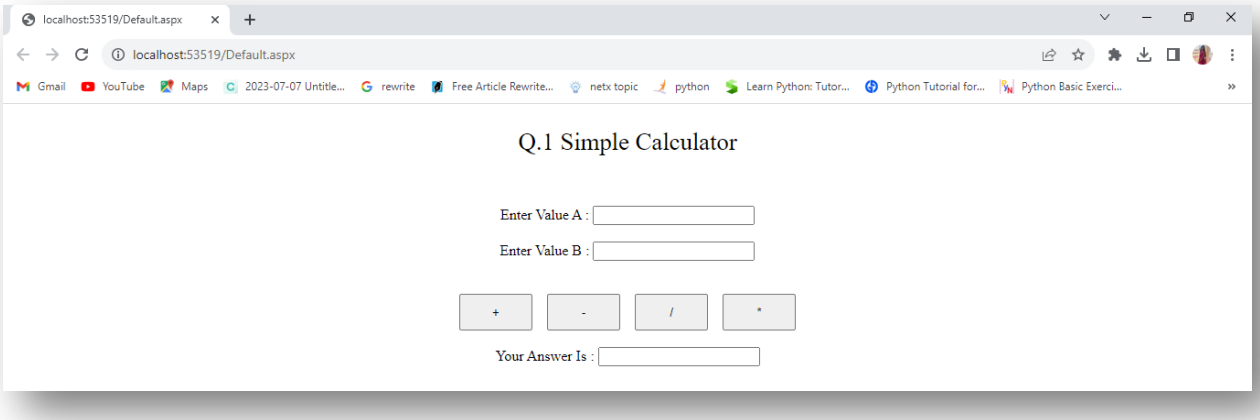
Default.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="validationEx.aspx.vb"
Inherits="validationEx" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            width: 62%;
        }
        .auto-style2 {
            width: 124px;
        }
        .auto-style3 {
            width: 21px;
        }
        .auto-style5 {
            width: 124px;
            height: 42px;
        }
        .auto-style6 {
            width: 21px;
            height: 42px;
        }
        .auto-style7 {
            width: 140px;
        }
        .auto-style8 {
            width: 140px;
            height: 42px;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
    <div>

        <table class="auto-style1">
            <tr>
                <td colspan="4" style="text-align: center">Registration Form</td>
            </tr>
            <tr>
                <td class="auto-style2">Name</td>
                <td class="auto-style3">:</td>
                <td class="auto-style7">
                    <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
```

```
                </td>
                <td class="auto-style5">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ControlToValidate="TextBox1" ErrorMessage="Please Enter
Name"></asp:RequiredFieldValidator>
                </td>
            </tr>

            <tr>
                <td class="auto-style2">Email</td>
                <td class="auto-style3">:</td>
                <td class="auto-style7">
                    <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
                </td>
                <td class="auto-style5">
                    <asp:RegularExpressionValidator ID="RegularExpressionValidator1"
runat="server" ControlToValidate="TextBox3" ErrorMessage="Please Enter Email Properly"
ValidationExpression="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-
.]\w+)*"></asp:RegularExpressionValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">Password</td>
                <td class="auto-style3">:</td>
                <td class="auto-style7">
                    <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
                </td>
                <td class="auto-style5"> </td>
            </tr>
            <tr>
                <td class="auto-style5">Confirm Password</td>
                <td class="auto-style6">:</td>
                <td class="auto-style8">
                    <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
                </td>
                <td class="auto-style5">
                    <asp:CompareValidator ID="CompareValidator1" runat="server"
ControlToCompare="TextBox4" ControlToValidate="TextBox5" ErrorMessage="Password and
Confirm Password must be same"></asp:CompareValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">Age</td>
                <td class="auto-style3">:</td>
                <td class="auto-style7">
                    <asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>
                </td>
                <td class="auto-style5">
                    <asp:RangeValidator ID="RangeValidator1" runat="server"
ControlToValidate="TextBox6" ErrorMessage="Age must Be 20 - 40." MaximumValue="40"
MinimumValue="20"></asp:RangeValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">Mobile No</td>
                <td class="auto-style3">:</td>
                <td class="auto-style7">
                    <asp:TextBox ID="TextBox7" runat="server"
TextMode="Number"></asp:TextBox>
                </td>
                <td class="auto-style5">
```

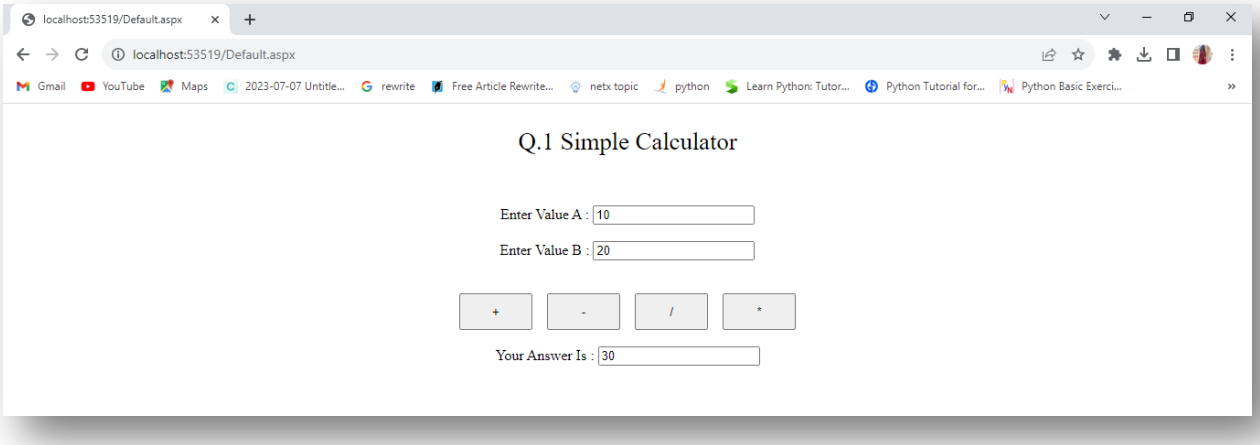
```
                    <asp:CustomValidator ID="CustomValidator1" runat="server"
ControlToValidate="TextBox7" ErrorMessage="Enter only 10 digit mobile number"
SetFocusOnError="True"></asp:CustomValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">
                     </td>
                <td class="auto-style3">
                    <asp:Button ID="Button1" runat="server" Text="Register" />
                </td>
                <td class="auto-style7"> </td>
                <td class="auto-style5"> </td>
            </tr>
        </table>

    </div>
    </form>
</body>
</html>
```

2. Write a program to perform to design a simple calculator to perform addition, subtraction, multiplication and division.

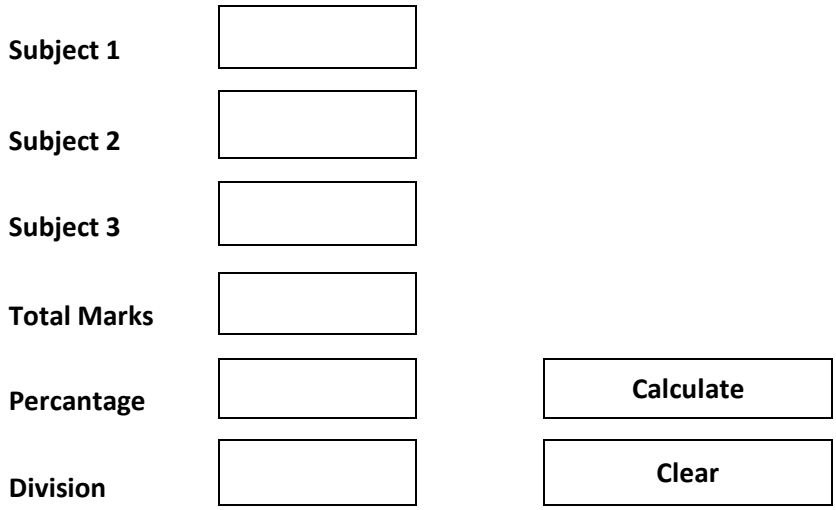


Default.aspsx.vb

```
Partial Class _Default
    Inherits System.Web.UI.Page
   Protected Sub btnAdd_Click(sender As Object, e As EventArgs) Handles btnAdd.Click
        Dim Sum As Integer
        Dim a As Integer
        Dim b As Integer
        a = Val(TextBox1.Text)
        b = Val(TextBox2.Text)
        Sum = (a + b)
        TextBox3.Text = Sum
    End Sub
    Protected Sub btnSubtract_Click(sender As Object, e As EventArgs) Handles
btnSubtract.Click
        Dim subno As Integer
        Dim a,b As Integer
        a = Val(TextBox1.Text)
        b = Val(TextBox2.Text)
        subno = (a - b)
        TextBox3.Text() = subno
    End Sub
    Protected Sub btnDivide_Click(sender As Object, e As EventArgs) Handles
btnDivide.Click
        Dim divno As Integer
        Dim a,b As Integer
        a = Val(TextBox1.Text)
        b = Val(TextBox2.Text)
        divno = (a / b)
        TextBox3.Text = divno
    End Sub
    Protected Sub btnMultiply_Click(sender As Object, e As EventArgs) Handles
btnMultiply.Click
        Dim mul As Integer
        Dim a As Integer
        Dim b As Integer
        a = Val(TextBox1.Text)
        b = Val(TextBox2.Text)
        mul = (a * b)
        TextBox3.Text = mul
    End Sub
End Class
```


localhost:53519/Default.aspx
localhost:53519/Default.aspx
Gmail
YouTube
Maps
2023-07-07 Untitle...
rewrite
Free Article Rewrite...
netx topic
python
Learn Python: Tutor...
Python Tutorial for...
Python Basic Exerci...
Q.1 Simple Calculator
Enter Value A : 10
Enter Value B : 20
+
-
/
*
Your Answer Is : 30

3. Design a user interface to print the result student with total marks and percentage.



Default.aspx

```
<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Default.aspx.vb"
Inherits="_Default" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
   <form id="form1" runat="server">
 <center>
 <div>

 <asp:Label ID="Label1" runat="server" Font-Size="20pt"
Text="Q-2 Markes in percentage calculate"></asp:Label>
 <br />
 <br />
 <br />
 <br /> SUBJECT
1 :
 <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
 <br />
 <br /> SUBJECT
2 :
 <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
 <br />
 <br /> SUBJECT
3 :
 <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
<br />
 <br />
 <asp:Button ID="total" runat="server" Height="40px"
Text="Calculate" Width="80px" />
    
 <asp:Button ID="btnClear" runat="server" Height="40px"
Text="CLEAR" Width="80px" />
  
 <asp:Button ID="btnExit" runat="server" Height="40px"
```

```
Text="Exit" Width="80px" />
 <br />
     <br />
 TOTAL OF MARKS :
<asp:TextBox ID="TextBox4"
runat="server"></asp:TextBox> <br />
 <br /> PERCENTAGE
:
 <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

 </div>
 </center>
 </form>
</body>
</html>
```

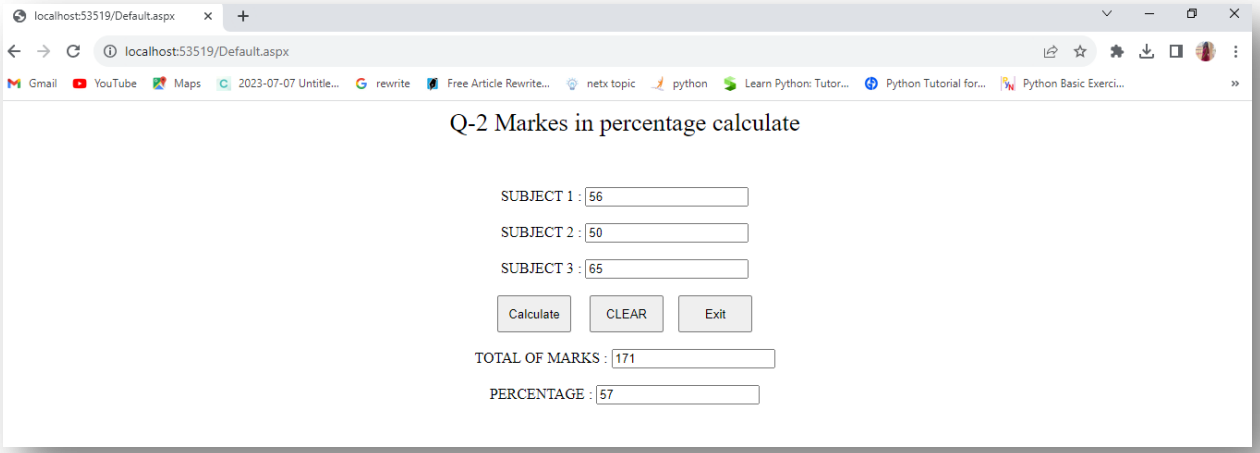
Default.aspx.vb

```
Partial Class _Default
    Inherits System.Web.UI.Page
    Protected Sub total_Click(sender As Object, e As EventArgs) Handles total.Click
        Dim Sum As Integer
        Dim a As Integer
        Dim b As Integer
        Dim c As Integer
        a = Val(TextBox1.Text)
        b = Val(TextBox2.Text)
        c = Val(TextBox3.Text)
        Sum = (a + b + c) / 3
        TextBox4.Text = a + b + c
        TextBox5.Text= Sum
    End Sub
```

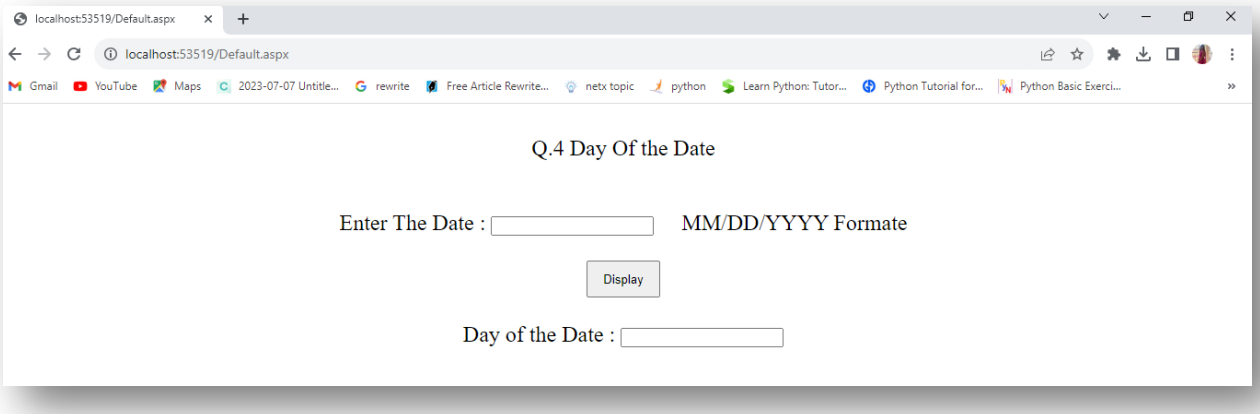
```
    Protected Sub btnClear_Click(sender As Object, e As EventArgs) Handles btnClear.Click

        TextBox1.Text = String.Empty
        TextBox2.Text = String.Empty
        TextBox3.Text = String.Empty
        TextBox4.Text = String.Empty
        TextBox5.Text = String.Empty
    End Sub
```

```
    Protected Sub btnExit_Click(sender As Object, e As EventArgs) Handles btnExit.Click
        System.Environment.Exit(0)
    End Sub
End Class
```

Output


localhost:53519/Default.aspx
localhost:53519/Default.aspx
Gmail
YouTube
Maps
2023-07-07 Untitle...
rewrite
Free Article Rewrite...
netx topic
python
Learn Python: Tutor...
Python Tutorial for...
Python Basic Exerci...
Q-2 Markes in percentage calculate
SUBJECT 1 : 56
SUBJECT 2 : 50
SUBJECT 3 : 65
Calculate
CLEAR
Exit
TOTAL OF MARKS : 171
PERCENTAGE : 57

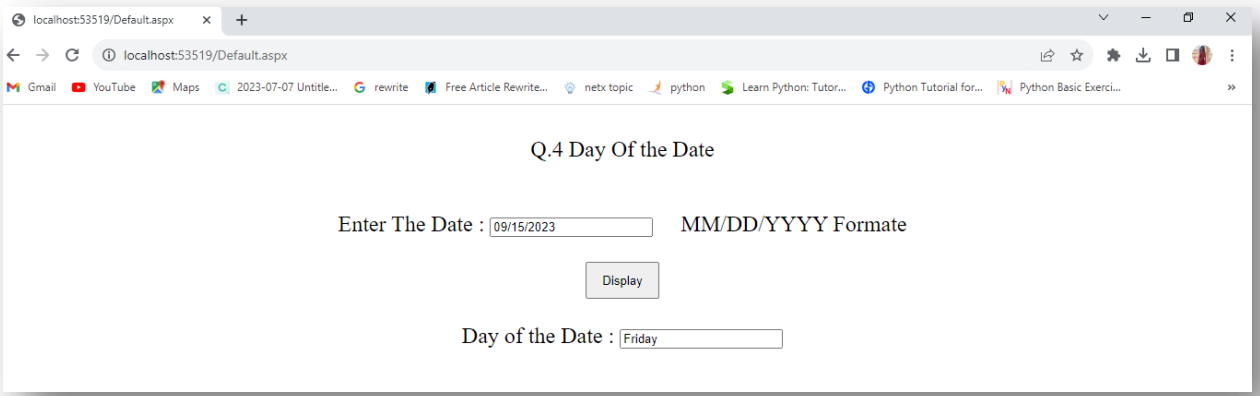
4. Write a program Day of the Date.



Default.aspx.vb

```
Partial Class _Default
    Inherits System.Web.UI.Page

    Protected Sub btnDisplay_Click(sender As Object, e As EventArgs) Handles
btnDisplay.Click
        Dim dateValue As Date
        dateValue = TextBox1.Text
        TextBox2.Text =WeekdayName(Weekday(DateValue))
    End Sub
End Class
```

Output



5. Create a Database “DbStudent”. Create following table. tbl_student (stud_id, stud_rollno, stud_name, stud_class, stud_department)

- Write a simple program to demonstrate Insertion of data into database.
- Write a program to show recodes in GridView Control.
- Write a program to print the Student Name and Student Class based on the Student Department (Search Functionality).
- Write a program to update student record.
- Write a program to delete particular student record.

Default.aspx

```
<%@ Page Language="VB" AutoEventWireup="false"
CodeFile="Default.aspx.vb" Inherits="_Default" %>

<!DOCTYPE html>


<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

      <title></title>

</head>

<body>

      <form id="form1" runat="server">

      <div>

            Student id:<asp:TextBox ID="txtid"
runat="server"></asp:TextBox>

            <br />

            <br />
student name:<asp:TextBox ID="txtname" runat="server"></asp:TextBox>
                

            <br /><br />

            student class<asp:TextBox ID="txtclass"
runat="server"></asp:TextBox>

            <br /><br /><br /><br />

            <asp:GridView ID="GridView1"
runat="server">

            </asp:GridView>

            <br /><br />

            <asp:Button ID="btninsert" runat="server" Text="insert"
/>         &nb sp;  

            <asp:Button ID="btnupdate" runat="server" Text="update"
/>         &nb
sp;     

            <asp:Button ID="btndelete" runat="server"Text="delete"
/>

      </div>

      </form>

</body>

</html>
```

Deafult.aspx.vb

```
Imports System.Data.SqlClient
Imports System.Data

Partial Class _Default
```

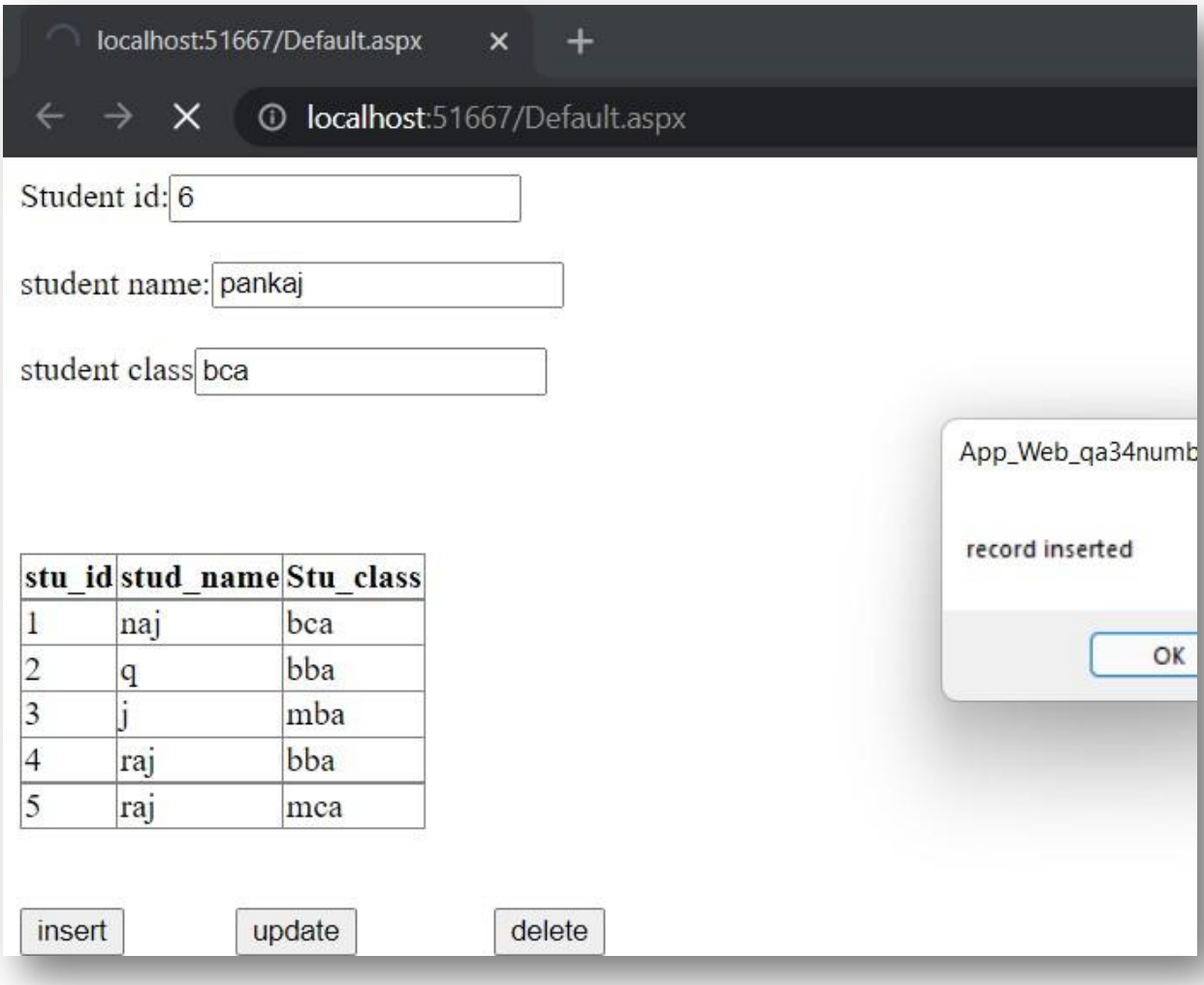
```
    Inherits System.Web.UI.Page
    Dim con As New SqlConnection("DataSource=(LocalDB)\v11.0;AttachDbFilename=
D:\aspassignment\8\App_Data\Database.mdf;Integrated Security=True")
```

```
    Protected Sub btninsert_Click(sender As Object,e As EventArgs) Handles
btninsert.Click
        Dim sid As Integer = txtid.Text Dim sname
        As String = txtname.Text
        Dim sclass As String = txtclass.Textcon.Open()
        Dim command As New SqlCommand("insert intostud values('" & sid & "','"
& sname & "','" & sclass & "')", con)
        command.ExecuteNonQuery()
        MsgBox("record     inserted")
        con.Close()
        list()
    End Sub
```

```
    Private Sub list()
        Dim command As New SqlCommand("select *from stud", con)
        Dim sd As New SqlDataAdapter(command)Dim dt As
        New DataTable

        sd.Fill(dt)
        GridView1.DataSource = dt
        GridView1.DataBind()
    End Sub
```

```
    Protected Sub btnupdate_Click(sender As Object,e As EventArgs)
Handles btnupdate.Click

        Dim sid As Integer = txtid.Text Dim sname
        As String = txtname.Text
        Dim sclass As String = txtclass.Textcon.Open()
        Dim command As New SqlCommand("update studset id='" & sid & "',class='"
& sclass & "' where name='" & sname & "'", con)
        command.ExecuteNonQuery()
        MsgBox("update suceesfully")
        con.Close()
        list()
    End Sub
```

```
    Protected Sub btndelete_Click(sender As Object,e As EventArgs) Handles
btndelete.Click
        Dim sid As Integer = txtid.Text
        con.Open()
        Dim command As New SqlCommand("delete studwhere id='" & sid & "'", con)
        command.ExecuteNonQuery()
        MsgBox("record deleted")
        con.Close()
        list()
    End Sub
```

```
        Protected Sub Page_Load(ByVal sender As Object,
 ByVal e As System.EventArgs) Handles Me.Loadlist()
              list()
       End Sub
End class
```

Output