INDEX

SR.NO	NAME OF THE PROGRAM	DATE	SIGNATURE
1.	**Working with basic C# and ASP .NET**		
a.	Create an application that obtains four int values from the user and displays the product.		
b.	Create an application to demonstrate string operations.		
c.	Create an application to demonstrate following operations i. Generate Fibonacci series. ii. Test for prime numbers. iii. Test for vowels. iv. Use of foreach loop with arrays v. Reverse a number and find sum of digits of a number.		
2.	**Working with Object Oriented C# and ASP .NET**		
a.	Create simple application to perform following operations i . Finding factorial Value ii. Money Conversion Iii.Quadratic Equation iv.Temperature Conversion		
3.	**Working with Web Forms and Controls**		

a.	Create a simple web page with various sever controls to demonstrate setting and use of their properties. (Example : AutoPostBack)		
b.	Demonstrate the use of Calendar control to perform following operations. a) Display messages in a calendar control b) Display vacation in a calendar control Selected day in a calendar control using style Difference between two calendar dates .		
c.	Demonstrate the use of Treeview control perform following operations. a) Treeview control and datalist b) Treeview operations .		
4.	**Working with Form Controls**		
a.	Create a Registration form to demonstrate use of various Validation controls.		
b.	Create Web Form to demonstrate use of Adrotator Control .		
c.	Create Web Form to demonstrate use User Controls.		
5	**Working with Navigation, Beautification and Master page.**		
a.	Create Web Form to demonstrate use of Website Navigation controls and Site Map.		
b.	Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.		

c.	Create a web application to demonstrate various states of ASP.NET Pages.		

6.	**Working with Database.**		
a.	Create a web application bind data in a multiline textbox by querying in another textbox.		
b.	Create a web application to display records by using database.		
c.	Demonstrate the use of Datalist link control.		
7.	**Working with Database**		
a.	Create a web application to display Databinding using dropdownlist control.		
b.	Create a web application for to display the phone no of an author using database.		
c.	Create a web application for inserting and deleting record from a database. (Using Execute- Non Query).		
8.	**Working with data controls**		
a.	Create a web application to demonstrate various uses and properties of SqlDataSource.		
b.	Create a web application to demonstrate data binding using DetailsView and FormView Control.		

c ·	Create a web application to demonstrate data binding using DetailsView and FormView Control.		

Practical No:01

Working with basic C# and ASP .NET

a) **Create an application that obtains four int values from the user and displays the product.**

pract1a.aspx-

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">

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

<head runat="server">

<title></title></head>

<body>

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

<asp:Label ID="label1" runat="server">Enter First Number</asp:Label>

<asp:TextBox ID="textBox1" runat="server"></asp:TextBox><br />

<asp:Label ID="label2" runat="server">Enter Second Number</asp:Label>

<asp:TextBox ID="textBox2" runat="server"></asp:TextBox><br />

<asp:Label ID="label3" runat="server">Enter Third Number</asp:Label>

<asp:TextBox ID="textBox3" runat="server"></asp:TextBox><br />

<asp:Label ID="label4" runat="server">Enter Fourth Number</asp:Label>
```

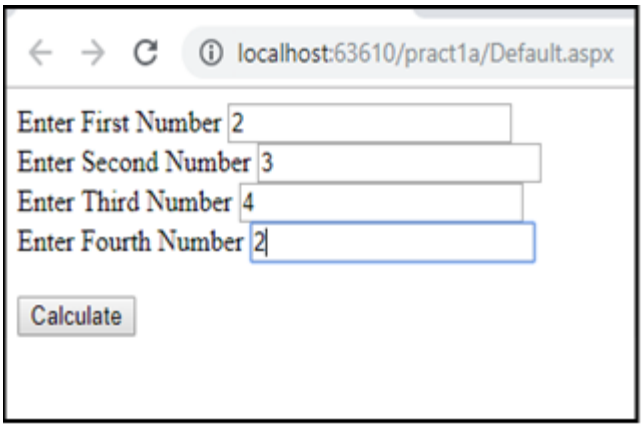
```
<asp:TextBox ID="textBox4" runat="server"></asp:TextBox>
<br /><br />
<asp:Button ID="submit" runat="server" Text="Calculate"
onclick="submitButton_Click"/>
<br /><br />
<asp:Label ID="result" runat="server"></asp:Label>
</div></form></body>
</html>
```

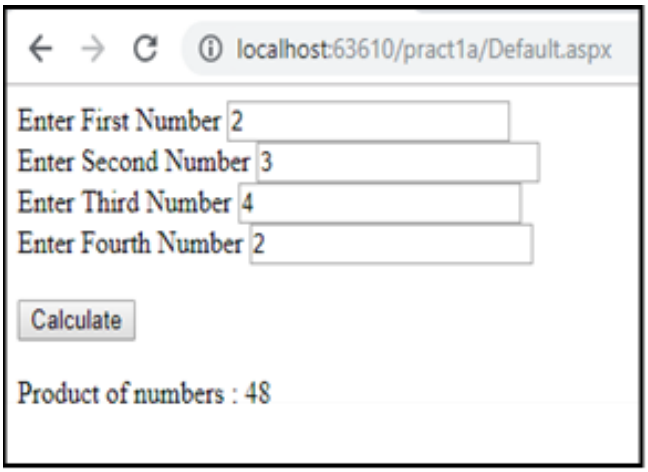
pract1a.aspx.cs-

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
```

```
protected void Page_Load(object sender, EventArgs e)
{
}
protected void submitButton_Click(object sender, EventArgs e)
{
Int num1 =
Convert.ToInt32(textBox1.Text.ToString());
int num2 =
Convert.ToInt32(textBox2.Text.ToString());
int num3 =
Convert.ToInt32(textBox3.Text.ToString());
int num4 =
Convert.ToInt32(textBox4.Text.ToString());


int product = num1 * num2 * num3 *
num4; result.Text = "Product of
numbers : " + product;
}}
```

Output:





Create an application to demonstrate string operations.

Deafult.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="pract1b" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

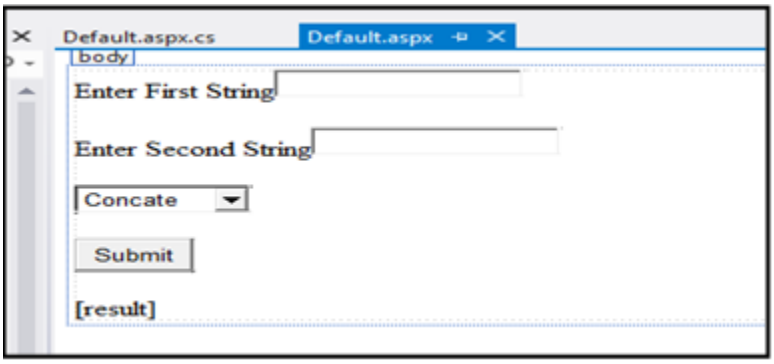
<head id="Head1" runat="server">

<title></title>

```
</head>
<body>
<form id="form1" runat="server"><div>
<asp:Label ID="label1" runat="server">Enter First String</asp:Label>
<asp:TextBox ID="textBox1" runat="server" ></asp:TextBox>
<br /><br />
<asp:Label ID="label2" runat="server">Enter Second String</asp:Label>
<asp:TextBox ID="textBox2" runat="server"></asp:TextBox>
<br /><br />
<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="true"

onselectedindexchanged="DropDownList1_SelectedIndexChanged">
<asp:ListItem >Concate</asp:ListItem>
<asp:ListItem>UpperCase</asp:ListItem>
<asp:ListItem>LowerCase</asp:ListItem>
<asp:ListItem>Reverse</asp:ListItem>
<asp:ListItem>Length</asp:ListItem>
<asp:ListItem>IsEmpty</asp:ListItem>
</asp:DropDownList>
<br /><br />
<asp:Button ID="Submit" runat="server" Text="Submit"
onclick="Submit_Click" style="height: 26px" />
<br /><br />
<asp:Label ID="result" runat="server"></asp:Label>
</div>
</form>
</body>
```

```
</html>
```

Design



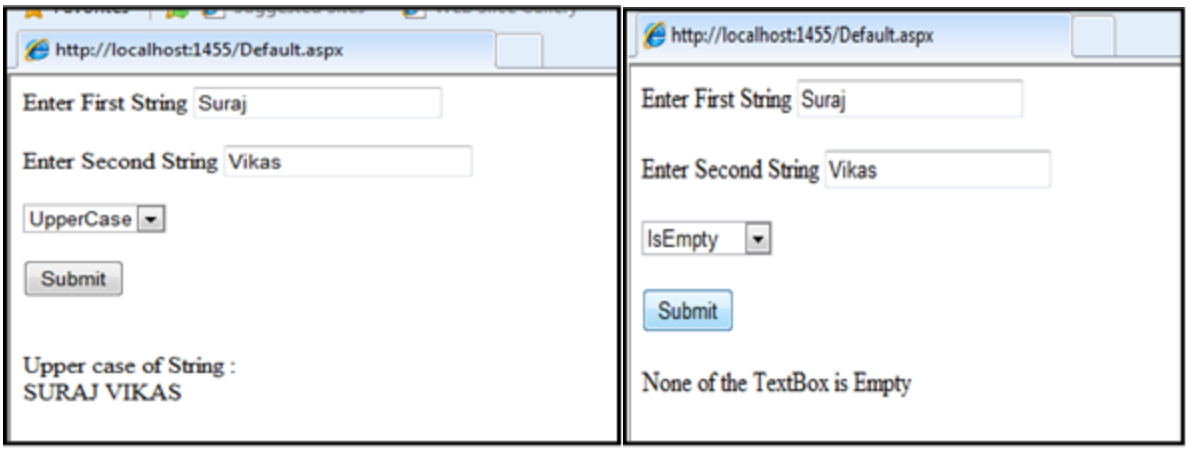
Default.aspx.cs

```
using System;

using
System.Collections.Gen
eric; using System.Linq;

using
System.Web
; using
System.Web
.UI;

using System.Web.UI.WebControls;

public partial class pract1b : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void DropDownList1_SelectedIndexChanged(object sender,
EventArgs e)

{
```

```
}
protected void Submit_Click(object sender, EventArgs e)
{
String str1 =
textBox1.Text.ToString();
String str2 =
textBox2.Text.ToString();
if (DropDownList1.SelectedItem.Text.Equals("Concate"))
{
result.Text = "Concatinate String : " + (str1 + str2);
}
else if (DropDownList1.SelectedItem.Text.Equals("UpperCase"))
{
result.Text = "<br>" + "Upper case of String :" + "<br>" +
(str1.ToUpper() + " " + str2.ToUpper());
}
else if (DropDownList1.SelectedItem.Text.Equals("LowerCase"))
{
result.Text = "<br>" + "Lower case of String :" + "<br>" +
str1.ToLower() + " " + str2.ToLower();
}
else if (DropDownList1.SelectedItem.Text.Equals("Length"))
{
result.Text = "<br>" + "Length of first string " + str1 + ":<br>" + str1.Length;
}
else if (DropDownList1.SelectedItem.Text.Equals("IsEmpty"))
{
```

```
if (String.IsNullOrEmpty(str1) && String.IsNullOrEmpty(str2))
{
result.Text = "<br>" + "Both the textbox is empty";

}
else if (String.IsNullOrEmpty(str1))
{
result.Text = "TextBox 1 is Empty";
}
else if (String.IsNullOrEmpty(str2))

{
result.Text = "TextBox 2 is Empty";
}
else
{
result.Text = "None of the TextBox is Empty";
} }
else
{
String reverse1 = new string(str1.Reverse().ToArray()); String reverse2 = new string(str2.Reverse().ToArray()); result.Text = "Reverse of 1st string :" + reverse1;
} }  }
```

Output:



Create an application to demonstrate following operations

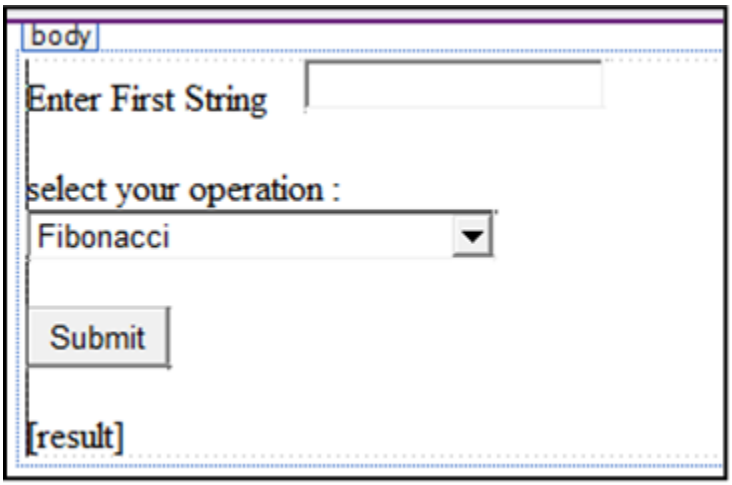
i. Generate Fibonacci series. ii. Test for prime numbers.
iii. Test for vowels. iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

Default.apsx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="pract1c" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">

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

<head id="Head1" runat="server">


<title></title>

</head><body>

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

<div>
```

```
<asp:Label ID="label1" runat="server">Enter First
String</asp:Label>    

<asp:TextBox ID="textBox1" runat="server"></asp:TextBox><br />

<br />

select your operation :

<br />

<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="true"

>

<asp:ListItem >Fibonacci</asp:ListItem>

<asp:ListItem>prime</asp:ListItem>

<asp:ListItem>vowels</asp:ListItem>

<asp:ListItem> foreach loop</asp:ListItem>

<asp:ListItem>Reverse and Find sum of Digit</asp:ListItem>

</asp:DropDownList>

<br /><br />

<asp:Button ID="Submit" runat="server" Text="Submit"
onclick="Submit_Click"

/>

<br /><br />

<asp:Label ID="result" runat="server"> </asp:Label>

</div>

</form></body>

</html>
```

Design:



Deafult.aspx.cs

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
public partial class pract1c : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
}
protected void Submit_Click(object sender, EventArgs e)
{
```

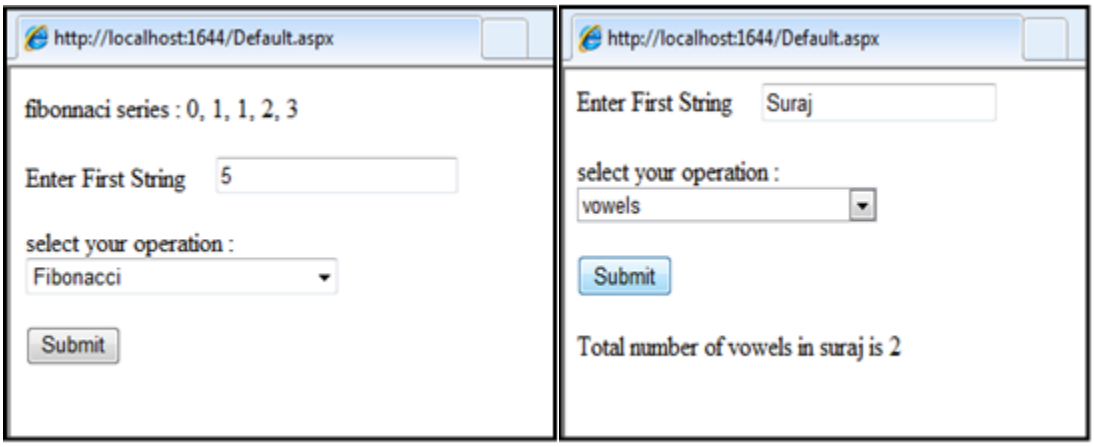
```
if (DropDownList1.SelectedItem.Text.Equals("Fibonacci"))
{
int usrInputNumber =
Convert.ToInt32(textBox1.Text.ToString()); int firstNo
= 0;
int
second
No = 1;
int sum
= 0;
Response.Write("fibonnaci series : " + firstNo + ", " +
secondNo); int i = 2;
while (i < usrInputNumber)
{
sum = firstNo +
secondNo;
Response.Write(",
" + sum); firstNo
= secondNo;
secondNo = sum;
i++;
}   }
else if (DropDownList1.SelectedItem.Text.Equals("prime"))
{
int num1 =
Convert.ToInt32(textBox1.Text.ToString());
int i;
for (i = 2; i < num1 - 1; i++)
{
```

```
if
(num1
% i ==
0) break;
}

if (i < num1 - 1)
{
result.Text = "IS NOT A PRIME NUMBER";
}
else
{
result.Text = "A PRIME NUMBER";
}}
else if (DropDownList1.SelectedItem.Text.Equals("vowels"))
{
string str =
textBox1.Text.ToString().ToLower(); int
c = 0;
for (int i = 0; i < str.Length; i++)
{
if ((str.Substring(i, 1)) == "a" || (str.Substring(i, 1)) == "e" ||
(str.Substring(i, 1)) == "i" || (str.Substring(i, 1)) == "o" || (str.Substring(i,
1)) == "u")
{
c
+
+
;
```

```
} }
result.Text = ("Total number of vowels in " + str + " is " + c);
}
else if (DropDownList1.SelectedItem.Text.Equals("Reverse and Find
sum of Digit"))
{
int num1 =
Convert.ToInt32(textBox1.Text.ToString());
int reverse = 0;
int sum = 0;
while (num1 != 0)
{
int remainder = num1 %
10; reverse = reverse *
10 + remainder; sum =
remainder + sum;
num1 = num1 / 10;
}
result.Text = "<br>" + "Reverse of entered number is " + reverse +
"<br>" + "Sum of digits is" + sum;
}
else{
String s =
textBox1.Text.ToString();
foreach (char c in s)

{
Response.Write("<br>" + c);
```

} } } }

Output:



Practical No:02

Working with Object Oriented C# and ASP .NET

a) Create simple application to perform following operations

i. Finding factorial Value ii. Money Conversion

iii. Quadratic Equation iv. Temperature Conversion

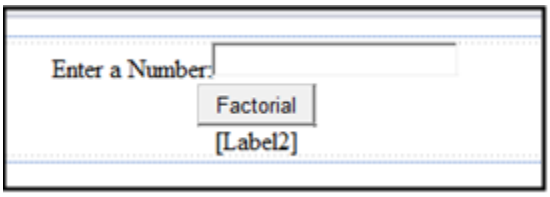
Finding factorial Value

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head id="Head1" runat="server">

<title></title></head>

<body>
```

```
<form id="form1" runat="server">
<div align="center">
<asp:Label ID="Label1" runat="server" Text="Enter a Number:"></asp:Label>
<asp:TextBox ID="TextBox1" runat="server" Width="147px"></asp:TextBox>
<br />
<asp:Button ID="Button1" runat="server"
onclick="Button1_Click" Text="Factorial" /><br />
<asp:Label ID="Label2" runat="server"></asp:Label>
</div></form>
</body>
</html>
```

Design

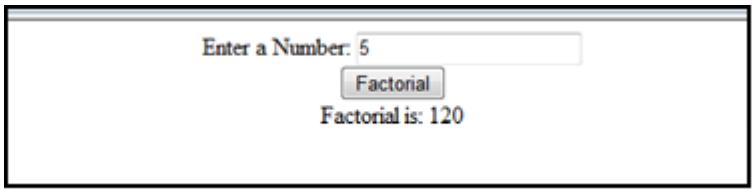


Default.aspx.cs

```
using System;
using System.Collections.Generic;


using
System.Linq
; using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
```

```
public partial class Default : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
}
protected void Button1_Click(object sender, EventArgs e)
{
int n =
Int32.Parse(TextBox1.Te
xt); int num, i, f = 1;
num = n;
for (i = 1; i <= n; i++)
{
f = f * i;
}
Label2.Text = "Factorial is: " + f.ToString();
}
}
```

Output:



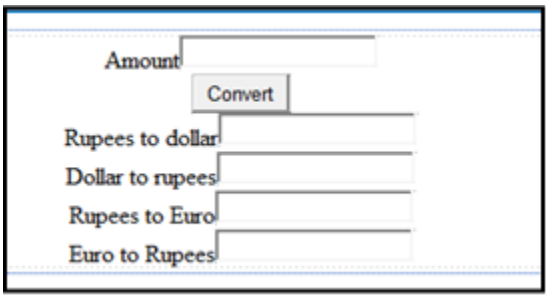
Money Conversion

a2.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
        CodeFile="a2.aspx.cs" Inherits="a2" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
                Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head id="Head1" runat="server">

<title></title></head>

<body>

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

<div align="center">


<asp:Label ID="Label1" runat="server" Text="Amount"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br />

<asp:Button ID="Button1" runat="server"
onclick="Button1_Click" Text="Convert" /><br />

<asp:Label ID="Label2" runat="server" Text="Rupees to dollar"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label3" runat="server" Text="Dollar to rupees"></asp:Label>

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label4" runat="server" Text="Rupees to Euro"></asp:Label>

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
```

```
<br />
<asp:Label ID="Label5" runat="server" Text="Euro to Rupees"></asp:Label>
<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
</div></form>
</body>
</html>
```

Design:



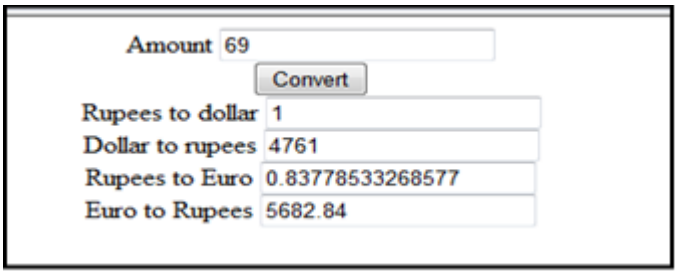
a2.aspx.cs

```
using System;
using System.Collections.Generic; using System.Linq;
```

```
using
System.Web
; using
System.Web
.UI;

using System.Web.UI.WebControls;

public partial class a2 : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

public class conv

{

public double d, r,
e, a; public
conv(double
amount)

{

a = amount;

}

public void rtd()

{

d = a / 69;

}

public void dtr()

{

r = a * 69;

}
```

```
public void rte()
{
e = a / 82.36;
}
public void etr()
{
r = a * 82.36;
}
}
protected void Button1_Click(object sender, EventArgs e)
{
double a =
Double.Parse(TextBox1.Text);
conv obj = new conv(a);
obj.rtd();
TextBox2.Text =
Convert.ToString(obj.d);
obj.dtr();
TextBox3.Text =
Convert.ToString(obj.r);
obj.rte();
TextBox4.Text =
Convert.ToString(obj.e);
obj.etr();
TextBox5.Text = Convert.ToString(obj.r);
}
}
```

Output:



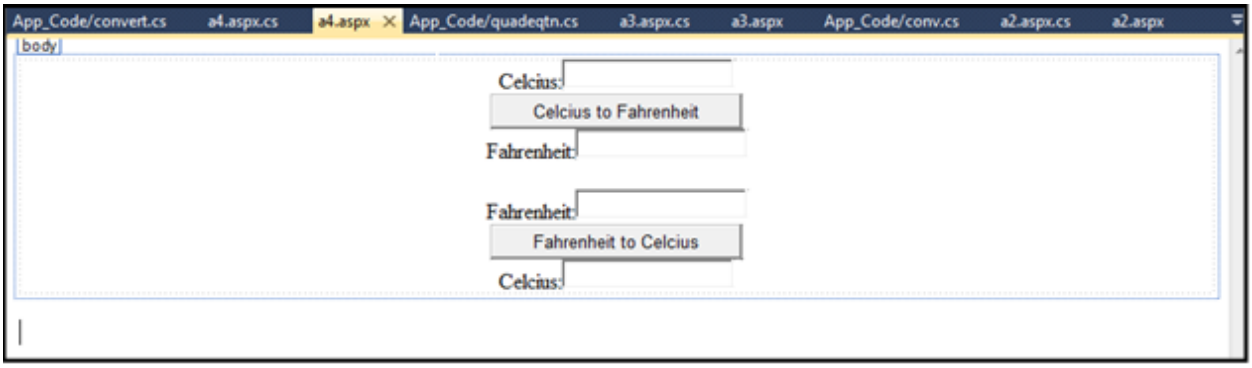
Temperature Conversion.

a4.aspx-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="a4.aspx.cs" Inherits="a4" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head runat="server">

<title></title></head>

<body>

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

<div align="center">

<asp:Label ID="Label1" runat="server" Text="Celcius:"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br />
```

```
<asp:Button ID="Button1" runat="server"
onclick="Button1_Click" Text="Celcius to Fahrenheit"
/><br />
<asp:Label ID="Label2" runat="server" Text="Fahrenheit:"></asp:Label>
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br /><br />
<asp:Label ID="Label3" runat="server" Text="Fahrenheit:"></asp:Label>
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br />
<asp:Button ID="Button2" runat="server"
onclick="Button2_Click" Text="Fahrenheit to Celcius"
/><br />
<asp:Label ID="Label4" runat="server" Text="Celcius:"></asp:Label>
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
</div></form></body>
</html>
```

Design-



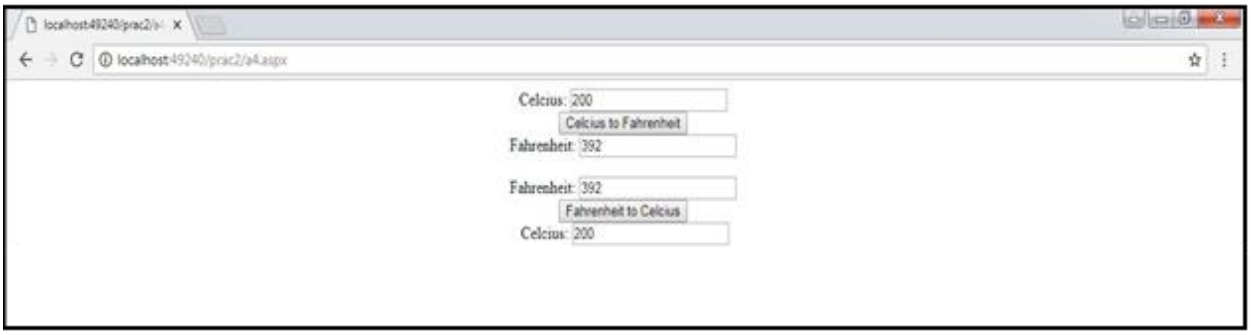
a4.aspx.cs-

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
public partial class a4 : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{ }
public class convert
{
public double
temp, f, c;
public
```

```
convert(doubl
e t)
{
temp=t;
}
public void ctf()
{
f = ((temp * 9 / 5)) + 32;
}
public void ftc() {

c = ((temp - 32) * 5) / 9;
} }
protected void Button1_Click(object sender, EventArgs e)
{
double c =
Double.Parse(TextBox1.Text);
convert obj = new convert(c);

obj.ctf();
TextBox2.Text = obj.f.ToString();
}
```

```
protected void Button2_Click(object sender, EventArgs e)
{
double c =
Double.Parse(TextBox3.Text);
convert obj = new convert(c);

obj.ftc();
TextBox4.Text = obj.c.ToString();
} }
```

Output-



Practical No:03

Working with Web Forms and Controls

Create a simple web page with various sever controls to demonstrate setting and use of their properties. (Example : AutoPostBack)

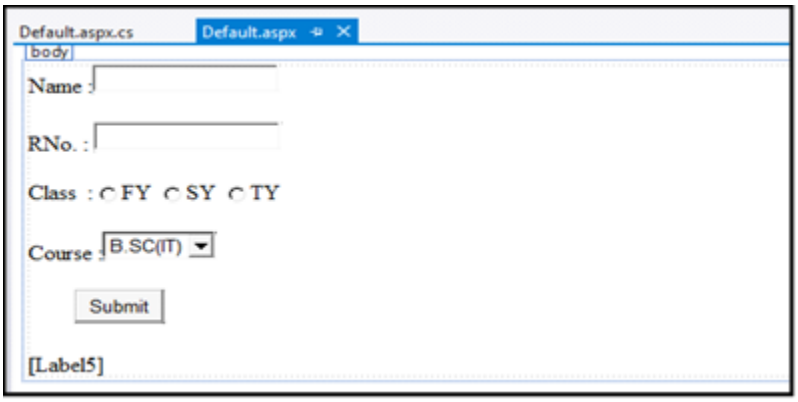
Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="Default" %>
```

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head id="Head1" runat="server">

<title></title></head>

<body>

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

<asp:Label ID="Label1" runat="server" Text="Name :"></asp:Label>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br /><br />

<asp:Label ID="Label2" runat="server"
Text="RNo."></asp:Label>  :

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br /><br />

<asp:Label ID="Label3" runat="server" Text="Class"></asp:Label>

  :<asp:RadioButton ID="RadioButton1" runat="server"
Text="FY" />  <asp:RadioButton ID="RadioButton2"
runat="server" Text="SY" />  <asp:RadioButton
ID="RadioButton3" runat="server" Text="TY" />

<br /><br />

<asp:Label ID="Label4" runat="server" Text="Course :"></asp:Label>

<asp:DropDownList ID="DropDownList1" runat="server"
onselectedindexchanged="DropDownList1_SelectedIndexChanged"
AutoPostBack="true">

<asp:ListItem>B.SC(IT)</asp:ListItem>

<asp:ListItem>M.SC(IT)</asp:ListItem>

<asp:ListItem>MCA</asp:ListItem>
```

```
</asp:DropDownList>
<br /><br />
      &
nbsp;
<asp:Button ID="Button1" runat="server"
Text="Submit" onclick="Button1_Click"/>


<br />
<asp:Label ID="Label5" runat="server"></asp:Label>
</div> </form> </body>
</html>
```

Output:



Default.aspx.cs

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
```

```
System.Web
.UI;

using System.Web.UI.WebControls;

public partial class Default : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void DropDownList1_SelectedIndexChanged(object sender,
EventArgs e)

{

Label5.Text = "You have been enrolled " + DropDownList1.SelectedItem;

}

protected void Button1_Click(object sender, EventArgs e)

{

string s;

if (RadioButton1.Checked == true)

{

s = RadioButton1.Text;

}


else if (RadioButton2.Checked == true)

{

s = RadioButton2.Text;

}

else
```

{

s = RadioButton3.Text;

}

Label5.Text = "You have been enrolled in "
+ s + " " + DropDownList1.SelectedItem;

} }

Output:

B)Demonstrate the use of Calendar control to perform following operations.

i) Display messages in a calendar control ii) Display vacation in a calendar control

iii) Selected day in a calendar control using style iv) Difference between two calendar dates

CalndrCntrl.aspx

<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="CalndrCntrl.aspx.cs" Inherits="Calendar.WebForm1" %>

<!DOCTYPE html>

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

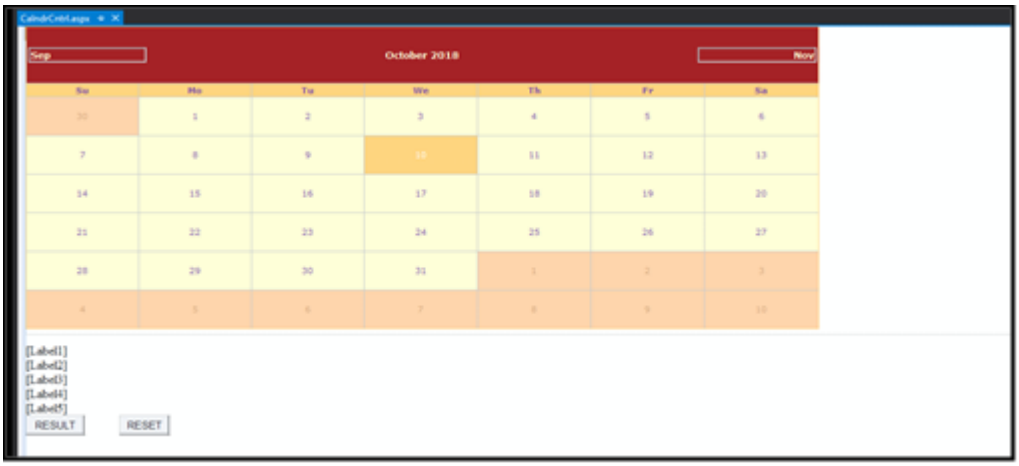
<head runat="server">

<title></title>

```
<style
type="text/cs
s"> #form1 {

height: 407px;

}

</style></head>

<body>

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

<div style="height: 585px">

<asp:Calendar ID="Calendar1" runat="server"
BackColor="#FFFFCC" BorderColor="#FFCC66"
BorderWidth="1px" DayNameFormat="Shortest"
FirstDayOfWeek="Sunday" Font-Names="Verdana" Font-
Size="8pt" ForeColor="#663399" Height="400px"
NextPrevFormat="ShortMonth"
OnDayRender="Calendar1_DayRender" ShowGridLines="True"
Width="1000px">

<DayHeaderStyle BackColor="#FFCC66" Font-Bold="True" Height="1px" />

<NextPrevStyle BorderStyle="Solid" BorderWidth="2px" Font-
Size="9pt" ForeColor="#FFFFCC" />

<OtherMonthDayStyle BackColor="#FFCC99"
BorderStyle="Solid" ForeColor="#CC9966" />

<SelectedDayStyle BackColor="Red" Font-Bold="True" />

<SelectorStyle BackColor="#FFCC66" />

<TitleStyle BackColor="#990000" Font-Bold="True" Font-
Size="9pt" ForeColor="#FFFFCC" />

<TodayDayStyle BackColor="#FFCC66" ForeColor="White" />

<WeekendDayStyle Height="50px" />
```

```
</asp:Calendar><br />
<asp:Label ID="Label1" runat="server"></asp:Label><br />
<asp:Label ID="Label2" runat="server"></asp:Label><br />
<asp:Label ID="Label3" runat="server"></asp:Label><br />
<asp:Label ID="Label4" runat="server"></asp:Label><br />
<asp:Label ID="Label5" runat="server"></asp:Label><br />
<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" style="margin-top: 0px"
Text="RESULT" />
        &nb
sp; 
<asp:Button ID="Button2" runat="server"
OnClick="Button2_Click" Text="RESET" />
<br />
</div>
</form>
</body>
</html>
```

Design:



CalndrCntrl.aspx.cs

```
using System;

using
System.Collections.Gen
eric; using System.Linq;

using
System.Web
; using
System.Web
.UI;

using
System.Web.UI.WebCont
rols; namespace Calendar

{

public partial class WebForm1 : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void Button1_Click(object sender, EventArgs e)

{

Calendar1.Caption = "Vikas Pandey";
Calendar1.FirstDayOfWeek =
FirstDayOfWeek.Sunday;
Calendar1.NextPrevFormat =
NextPrevFormat.ShortMonth;
Calendar1.TitleFormat = TitleFormat.Month;

Label1.Text = "Your Selected Date:" +
Calendar1.SelectedDate.ToString(); Label2.Text = "Todays Date:" +
```

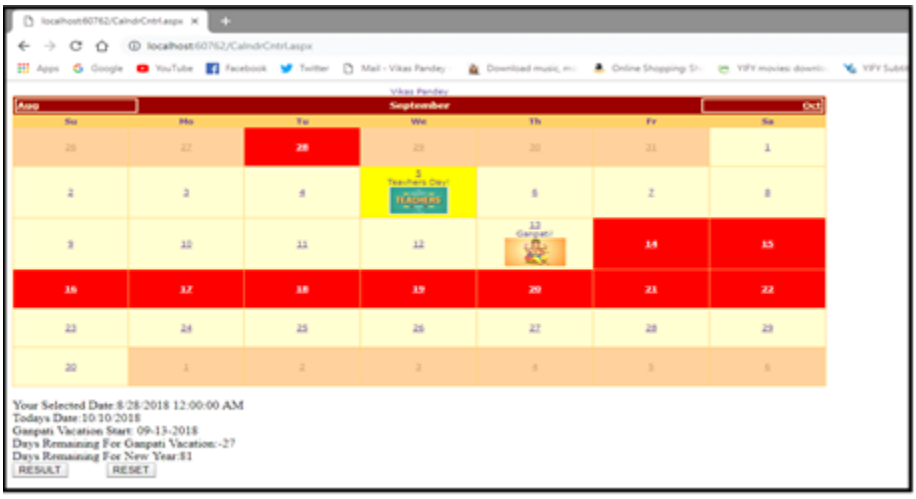
```
Calendar1.TodaysDate.ToShortDateString(); Label3.Text = "Ganpati
Vacation Start: 09-13-2018";

TimeSpan d = new DateTime(2018, 09, 13) - DateTime.Now;

Label4.Text = "Days Remaining For Ganpati Vacation:" +
d.Days.ToString(); TimeSpan d1 = new DateTime(2018, 12, 31) -
DateTime.Now;

Label5.Text = "Days Remaining For New Year:" +
d1.Days.ToString(); if
(Calendar1.SelectedDate.ToShortDateString() == "09-13-
2018")

Label3.Text = "<b>Ganpati Festival Start</b>";

if (Calendar1.SelectedDate.ToShortDateString() == "09-
23-2018") Label3.Text = "<b>Ganpati Festival
End<b>";

}

protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)

{

if (e.Day.Date.Day == 15 && e.Day.Date.Month == 8)

{

e.Cell.BackColor =
System.Drawing.Color.GreenYellow; Label
lbl1 = new Label();

lbl1.Text = "<br>Independance
Day!<br>";
e.Cell.Controls.Add(lbl1);

Image g1 =
new Image();
g1.ImageUrl =
"id.jpg";
```

```
g1.Height =
40;

g1.Width = 75;
e.Cell.Controls.Add(g1)
;

}

if (e.Day.Date.Day == 5 && e.Day.Date.Month == 9)

{

e.Cell.BackColor =
System.Drawing.Color.Yellow; Label lbl1 =
new Label();

lbl1.Text = "<br>Teavhers
Day!<br>";
e.Cell.Controls.Add(lbl1);

Image g1 =
new Image();
g1.ImageUrl =
"td.jpg";
g1.Height =
40;

g1.Width = 75;
e.Cell.Controls.Add(g1)
;

}

if (e.Day.Date.Day == 13 && e.Day.Date.Month == 9)

{

Calendar1.SelectedDate = new DateTime(2018, 09, 12);
Calendar1.SelectedDates.SelectRange(Calendar1.Selecte
dDate, Calendar1.SelectedDate.AddDays(10));
```

```
Label lbl1 = new
Label(); lbl1.Text =
"<br>Ganpati!<br>";
e.Cell.Controls.Add(lb
l1); Image g2 = new
Image(); g2.ImageUrl
= "gc.jpg";


g2.Height = 40;
g2.Width = 75;
e.Cell.Controls.Add(g2)
;
} }
protected void Button2_Click(object sender, EventArgs e)
{
Label1.
Text  =
"";
Label2.
Text  =
"";
Label3.
Text  =
"";
Label4.
Text  =
"";
Label5.
Text  =
"";
Calendar1.SelectedDates.Clear();
```

} } }

Output:



C) Demonstrate the use of Treeview control perform following operations.

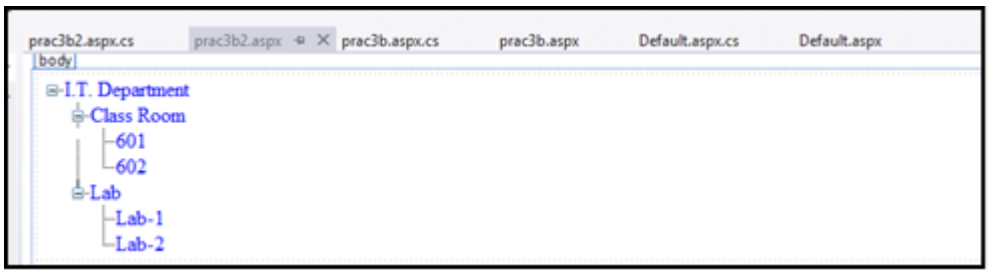
a) Tree view operations

Prac3b2.aspx

```
<%@ Page Language="C#"
AutoEventWireup="true"
CodeFile="prac3b2.aspx.cs"
Inherits="prac3b2" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0
Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-
transitional.dtd">

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

<head id="Head1" runat="server">

<title></title></head>

<body>

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

```
<asp:TreeView ID="TreeView1" runat="server"
onselectednodechanged="TreeView1_SelectedNodeChanged"
ShowLines="True" ontreenodecollapsed="TreeView1_TreeNodeCollapsed">
<Nodes>
<asp:TreeNode Text="I.T. Department" Value="I.T. Department">
<asp:TreeNode Text="Class Room" Value="Class Room">
<asp:TreeNode Text="601" Value="601"></asp:TreeNode>
<asp:TreeNode Text="602" Value="602"></asp:TreeNode>
</asp:TreeNode>
<asp:TreeNode Text="Lab" Value="Lab">
<asp:TreeNode Text="Lab-1" Value="Lab-1"></asp:TreeNode>
<asp:TreeNode Text="Lab-2" Value="Lab-2"></asp:TreeNode>
</asp:TreeNode>
</asp:TreeNode>
</Nodes>
</asp:TreeView>



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

Design:

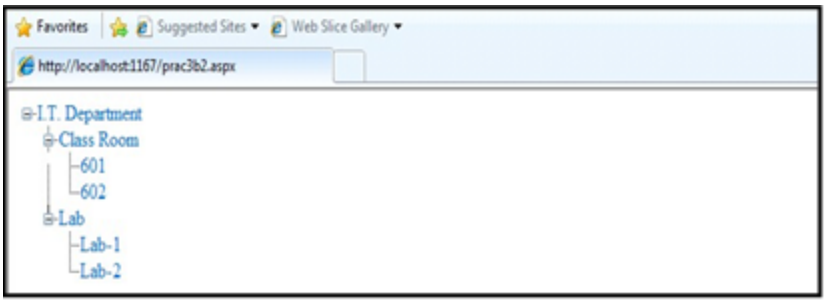


prac3b2.aspx.cs

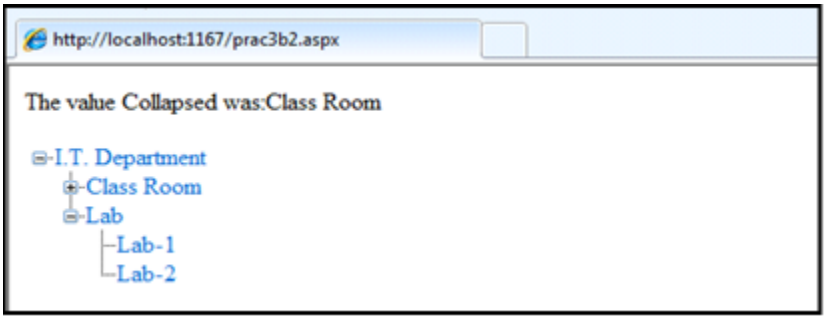
```
using System;
```

```
using
System.Collections.Gen
eric; using System.Linq;

using
System.Web
; using
System.Web
.UI;

using System.Web.UI.WebControls;

public partial class prac3b2 : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void TreeView1_SelectedNodeChanged(object sender, EventArgs e)

{

Response.Write("You have selected the option:" + TreeView1.SelectedValue);

}

protected void TreeView1_TreeNodeCollapsed(object sender,
TreeNodeEventArgs e)

{

Response.Write("The value Collapsed was:" + e.Node.Value);

}

}
```

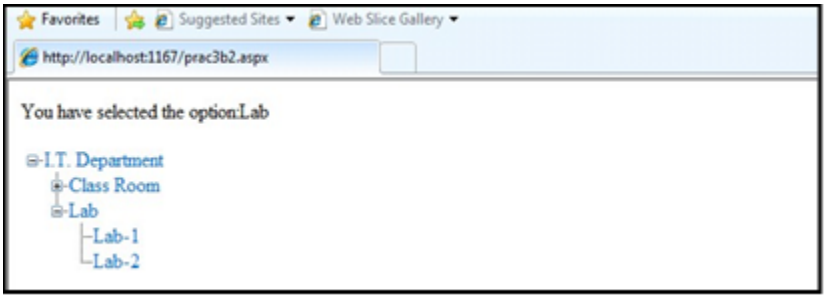
Output:



- Output after collapsing a value



- Output after selecting a value



Practical No:04

Working with Form Controls

a) **Create a Registration form to demonstrate use of various Validation controls.**

WebForm1.aspx

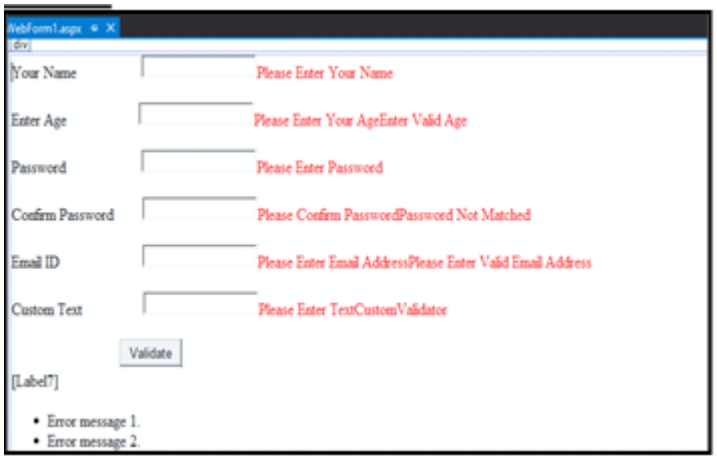
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="_4a.WebForm1" %>

<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title></head>
<body>
<form id="form1" runat="server">
<div>
<asp:Label ID="Label1" runat="server" Text="Your Name"></asp:Label>
           
& nbsp;     
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator1"
runat="server" ControlToValidate="TextBox1"
ErrorMessage="Please Enter Your Name"
ForeColor="Red"></asp:RequiredFieldValidator>
<br /><br />
<asp:Label ID="Label2" runat="server" Text="Enter Age"></asp:Label>
           
& nbsp;       
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<asp:RequiredFieldValidator ID="RequiredFieldValidator2"
runat="server" ControlToValidate="TextBox2"
ErrorMessage="Please Enter Your Age"
ForeColor="Red"></asp:RequiredFieldValidator>
<asp:RangeValidator ID="RangeValidator1"
runat="server" ControlToValidate="TextBox2"
ErrorMessage="Enter Valid Age" ForeColor="Red"
MaximumValue="100" MinimumValue="18"
Type="Integer"></asp:RangeValidator>
<br /><br />
```

```
<asp:Label ID="Label3" runat="server" Text="Password"></asp:Label>

<asp:TextBox ID="TextBox3"
runat="server"
TextMode="Password"></asp:Text
Box>


<asp:RequiredFieldValidator ID="RequiredFieldValidator3"
runat="server" ControlToValidate="TextBox3"
ErrorMessage="Please Enter Password"
ForeColor="Red"></asp:RequiredFieldValidator>

<br /><br />

<asp:Label ID="Label4" runat="server" Text="Confirm
Password"></asp:Label>
       

<asp:TextBox ID="TextBox4"
runat="server"
TextMode="Password"></asp:Text
Box>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4"
runat="server" ControlToValidate="TextBox4"
ErrorMessage="Please Confirm Password"
ForeColor="Red"></asp:RequiredFieldValidator>

<asp:CompareValidator ID="CompareValidator1"
runat="server" ControlToCompare="TextBox3"
ControlToValidate="TextBox4"
ErrorMessage="Password Not Matched"
ForeColor="Red"></asp:CompareValidator>

<br /><br />

<asp:Label ID="Label5" runat="server" Text="Email ID"></asp:Label>
           
```

```
&
nbsp;          

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator5"
runat="server" ControlToValidate="TextBox5"
ErrorMessage="Please Enter Email Address"
ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1"
runat="server" ControlToValidate="TextBox5" ErrorMessage="Please
Enter Valid Email Address" ForeColor="Red"
ValidationExpression="\w+([-+.']\w+)*@\w+([-

.]\w+)*\.\w+([-.]\w+)*"></asp:RegularExpressionValidator>

<br /><br />

<asp:Label ID="Label6" runat="server" Text="Custom Text"></asp:Label>
           
& nbsp;    

<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator6"
runat="server" ControlToValidate="TextBox6"
ErrorMessage="Please Enter Text"
ForeColor="Red"></asp:RequiredFieldValidator>

<asp:CustomValidator ID="CustomValidator2" runat="server"
ClientValidationFunction="ServerValidation" ControlToValidate="TextBox6"
ErrorMessage="CustomValidator" ForeColor="Red"></asp:CustomValidator>

<br /><br />


<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="Validate" />

<br />
```

```
<asp:Label ID="Label7" runat="server"></asp:Label>
<br />
<asp:ValidationSummary ID="ValidationSummary1" runat="server" />
</div></form>
</body>
</html>
```



Design:

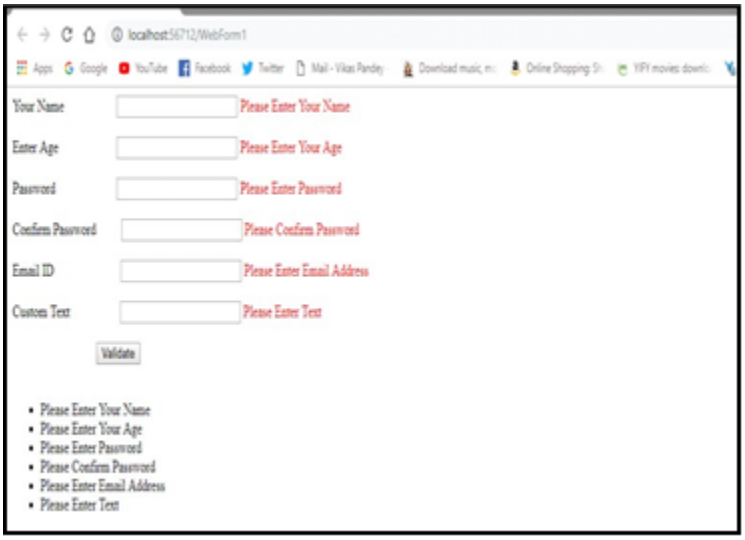
WebForm1.aspx.cs

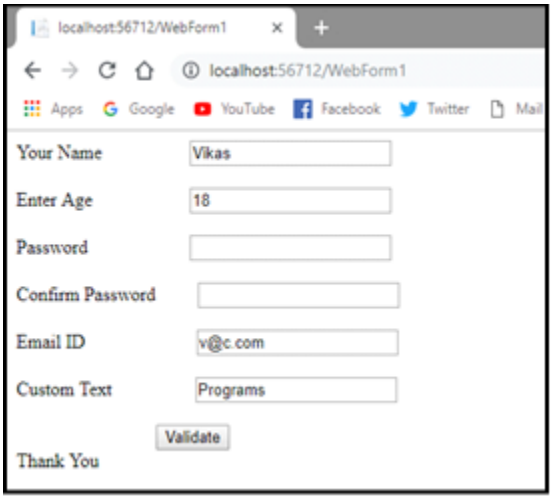
```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using
System.Web.UI.WebCont
rols; namespace _4a
{
```

```
public partial class WebForm1 : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
}
protected void Button1_Click(object sender, EventArgs e)
{
if(Page.IsValid)
{
Label7.Text = "Thank You";
}
else
{
Label7.Text = "The text must be exactly 8 characters long!";
}
}
void ServerValidation(object source,ServerValidateEventArgs e)
{
if
(e.Value.Leng
th == 8)
e.IsValid =
true;
else
e.IsValid = false;
} } }
```

Output:


Your Name
Vikas
Enter Age
17
Enter Valid Age
Password
Confirm Password
Password Not Matched
Email ID
v.com
Please Enter Valid Email Address
Custom Text
Hello
Validate
The text must be exactly 8 characters long!
Enter Valid Age
Password Not Matched
Please Enter Valid Email Address

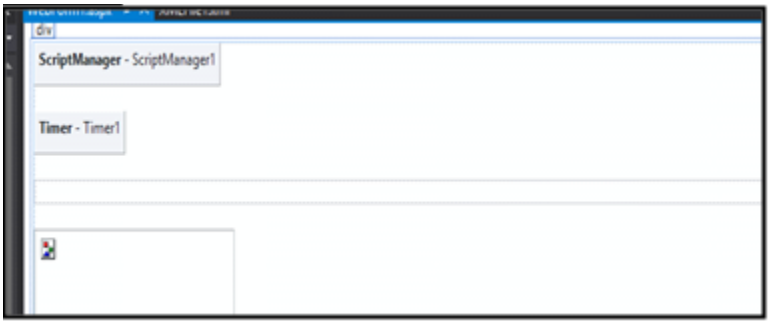

localhost:56712/WebForm1
Your Name
Please Enter Your Name
Enter Age
Please Enter Your Age
Password
Please Enter Password
Confirm Password
Please Confirm Password
Email ID
Please Enter Email Address
Custom Text
Please Enter Text
Validate
Please Enter Your Name
Please Enter Your Age
Please Enter Password
Please Confirm Password
Please Enter Email Address
Please Enter Text


localhost:56712/WebForm1
localhost:56712/WebForm1
Apps
Google
YouTube
Facebook
Twitter
Your Name
Vikas
Enter Age
18
Password
Confirm Password
Email ID
v@c.com
Custom Text
Programs
Validate
Thank You

Create Web Form to demonstrate use of Adrotator Control.

WebForm1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="_4b.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title></head>

<body>

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

<asp:ScriptManager ID="ScriptManager1" runat="server">

</asp:ScriptManager><br />

<asp:Timer ID="Timer1" Interval="2000" runat="server">

</asp:Timer><br />

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

</asp:UpdatePanel><br />

<asp:AdRotator ID="AdRotator1" runat="server"
AdvertisementFile="~/XMLFile1.xml" Height="200px" Width="200px"
/>

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



Design:

XMLFile1.xml

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements><Ad>
<ImageUrl>~/v.png</ImageUrl>
</Ad><Ad>
<ImageUrl>~/v1.png</ImageUrl>
</Ad><Ad>
<ImageUrl>~/v2.jpg</ImageUrl>
</Ad><Ad>
<ImageUrl>~/v3.jpg</ImageUrl>
</Ad><Ad>
<ImageUrl>~/v4.jpg</ImageUrl>
</Ad><Ad>
<ImageUrl>~/v5.jpg</ImageUrl>
</Ad><Ad>
<ImageUrl>~/v6.jpg</ImageUrl></Ad>
</Advertisements>
```

Output:

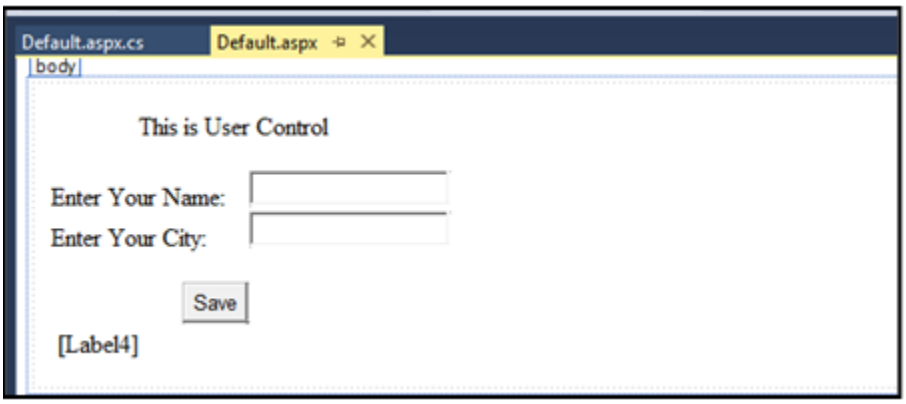
c)**Create Web Form to demonstrate use User Controls.** Defult.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" 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><br />

<asp:Label ID="Label1" runat="server"
Text="This is User Control"></asp:Label><br
/><br />

  

<asp:Label ID="Label2" runat="server" Text="Enter Your

Name:"></asp:Label>    

<asp:TextBox ID="TextBox1"

runat="server"></asp:TextBox><br />   

<asp:Label ID="Label3" runat="server" Text="Enter Your City:

"></asp:Label>      

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br />

<asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Save"

/><br />

<asp:Label ID="Label4" runat="server"></asp:Label><br />
```

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

</html>
```

Design :



Default.acpx.cs

```
using System;

using

System.Collections.Gen

eric; using System.Linq;

using

System.Web

; using

System.Web

.UI;

using System.Web.UI.WebControls;

public partial class _Default : System.Web.UI.Page

{
```

```
protected void Page_Load(object sender, EventArgs e)

{     }

protected void Button1_Click(object sender, EventArgs e)

{

Label4.Text = "Your Name is " + TextBox1.Text + " and you
are from " + TextBox2.Text;

}}
```

Output:

Practical No:05

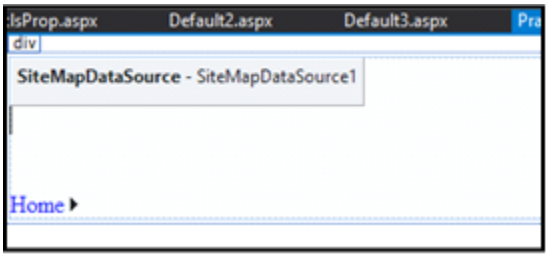
Working with Navigation, Beautification and Master page. a)Create Web Form to demonstrate use of Website Navigation controls and Site Map.

Pract5a.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="Pract5a.aspx.cs"
Inherits="Practical5a.Pract5a" %>

<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title></head>
<body>
<form id="form1" runat="server">
<div>
<asp:SiteMapDataSource ID="SiteMapDataSource1" runat="server" />
<br />
<asp:Menu ID="Menu1" runat="server" DataSourceID="SiteMapDataSource1">
</asp:Menu></div>
</form>
</body>
</html>
```

Design



Pract5a.aspx.cs

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
```

```
System.Web
.UI;

using System.Web.UI.WebControls;


namespace Practical5a

{

public partial class Pract5a : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}}}
```

Web.sitemap

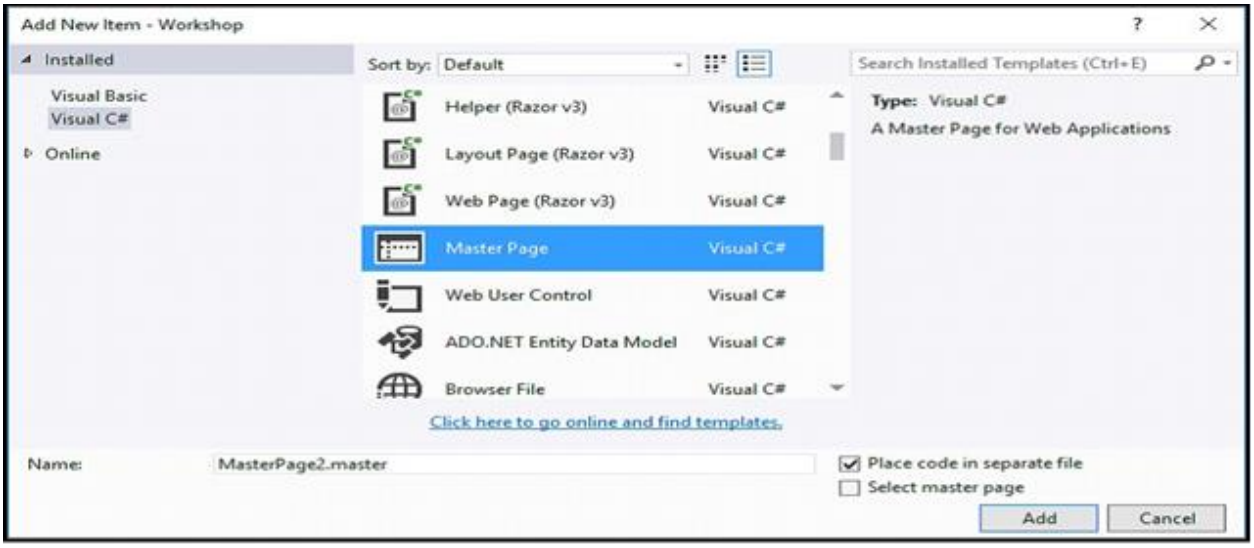
```
<?xml version="1.0" encoding="utf-8" ?>

<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >

<siteMapNode url="Pract5a.aspx" title="Home" description="Home
page of our website">

<siteMapNode url="clsProp.aspx" title="Page2" description="Page2" />

<siteMapNode url="Default2.aspx" title="Page3" description="Page3" />

<siteMapNode url="Default3.aspx" title="Page4" description="Page4" />

</siteMapNode>

</siteMap>
```

- Add 3 more .aspx files with

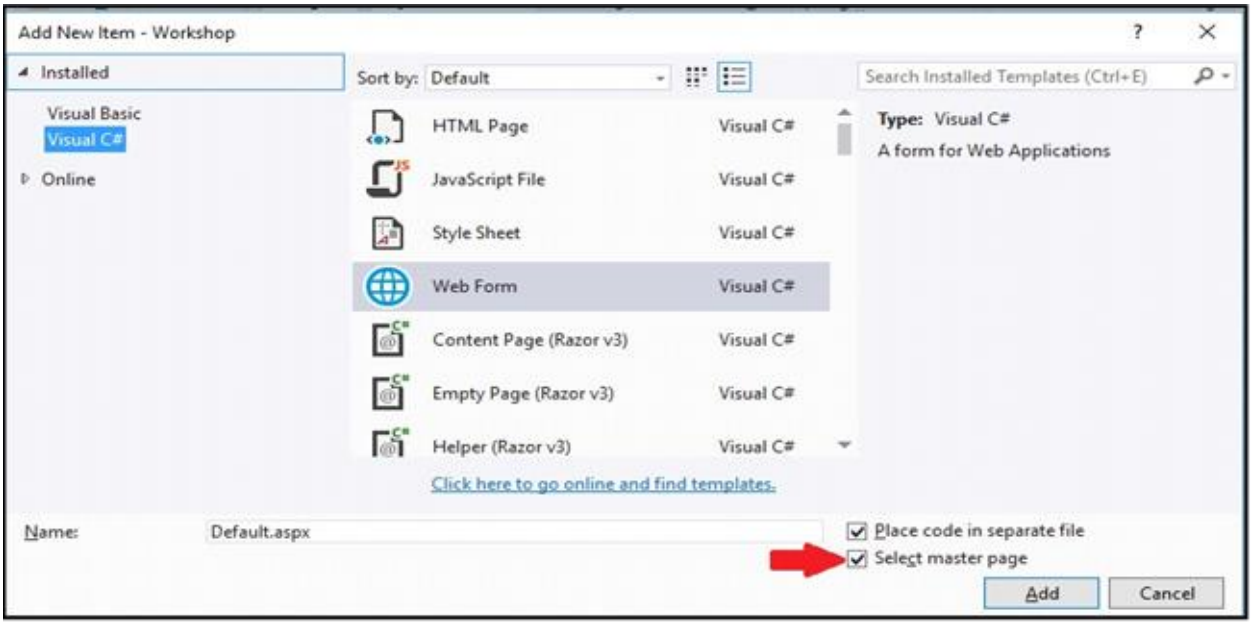
"*Welcome"* message Output:

Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.

- **Adding Master Page**



Adding Web page For Master page



MasterPage.master

<%@ Master Language="C#" AutoEventWireup="true"
CodeFile="MasterPage.master.cs"
Inherits="MasterPage" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Master Page</title>

<link href="css/my.css" rel="stylesheet" />

<asp:ContentPlaceHolder ID="head" runat="server">

</asp:ContentPlaceHolder>

<style type="text/css">

.auto-
style1

```
{ positi
on:
absolute
; top:
373px;
left:
1028
px;
botto
m:
303p
x;
}
.auto-
style2
{ positi
on:
absolute
; top:
537px;
lef
t:
10
16
px
;
z-
in
de
x:
1;
}
</style></head>
```

```
<body>
<!DOCTYPE html>
<form id="form1" runat="server">
<html><head>
<title>Master</title>
<link rel="stylesheet" type="text/css" href="StyleSheet.css">
</head>
<body><header id="header">
<h1>Demo Of Master Page</h1>
</header>
<nav id="nav">
<ul>
<li><a href="home.aspx">Insight</a></li>
<li><a href="#">Products</a></li>
<li><a href="#">Downloads</a></li>
<li><a href="#">Contact Us</a></li>
</ul></nav>
<aside id="side">
<h1>Info</h1>
<a href="#"><p>Product Type 1</p></a>

<a href="#"><p>Product Type 2</p></a>
<a href="#"><p>Product Type 3<a
href="#"><asp:ScriptManager ID="ScriptManager1"
runat="server">
</asp:ScriptManager></a></p>
```

<asp:Button ID="Button2" runat="server" CssClass="auto-style1"
style="z-index: 1" Text="Button" />

<asp:Button ID="Button1" runat="server" CssClass="auto-style2"
Text="Button"

/>

</aside>

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

<footer
id="footer
">
copyright
@Sambare

</footer></body>

</html></form>

</body></html>

MasterDisplay.aspx

<%@ Page Title="" Language="C#"
MasterPageFile="~/MasterPage.master" AutoEventWireup="true"
CodeFile="MasterDisplay.aspx.cs" Inherits="MasterDisplay" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">

<h1>Home page</h1>

</asp:Content> StyleSheet.css #header{

color: blueviolet; text-align: center; font-size: 20px;

```
}
#nav{
background-color:darkseagreen; padding: 5px;
}

ul{
list-style-type: none;
}
li a
{ color:c
rimson ;
font-
size:
30px;
column-
width:
5%;
}li
{
display:
inline;
padding-
left: 2px;
column-
width:
20px;
}
a{
text-
decoration:
```

```
none;
margin-
left:20px
}
li a:hover{
background-
color: aqua;
color:coral ;
padding:1%;
}
#side{
text-
align:
center;
float:
right;
width:
15%;
padding-bottom:
79%; background-
color: #F1FAEE;
}
#article{
background-color:
burlywood;
padding: 10px;
padding-bottom: 75%;
}
#footer{
```

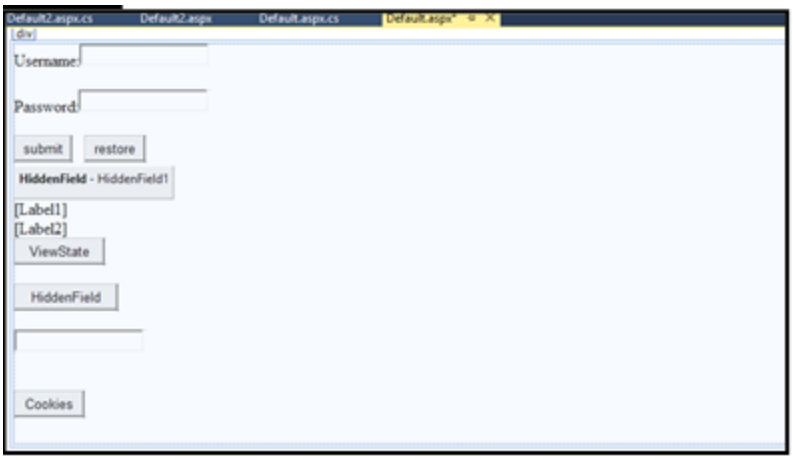
```
background-color:
#C7EFCF; text-
align:center;

padding-
bottom:
5%; font-
size: 20px;

}

#co
n{ b
orde
r:do
uble
;

border-color:burlywood; }
```

Create a web application to demonstrate various states of ASP.NET Pages.

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" 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 style="height: 393px">
```

```
Username:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br /><br/>
Password:<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
<br /><br/>
<asp:Button ID="Button4" runat="server"
Text="submit" onclick="Button4_Click" />
  
<asp:Button ID="Button5" runat="server"
Text="restore" onclick="Button5_Click" />
<asp:HiddenField ID="HiddenField1" runat="server" />
<asp:Label ID="Label1" runat="server"></asp:Label><br/>
<asp:Label ID="Label2" runat="server" ></asp:Label><br/>
<asp:Button ID="Button1" runat="server"
Text="ViewState" onclick="Button1_Click"
/><br/><br/>
<asp:Button ID="Button2" runat="server"
Text="HiddenField" onclick="Button2_Click" />
<br /><br />
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br /><br /><br
/>
<asp:Button ID="Button3" runat="server"
Text="Cookies" onclick="Button3_Click" />
</div>
</form>
</body>
</html>
```



Design:

Deafult.aspx.cs

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
if (IsPostBack)
{
if (ViewState["count"] != null)
{
```

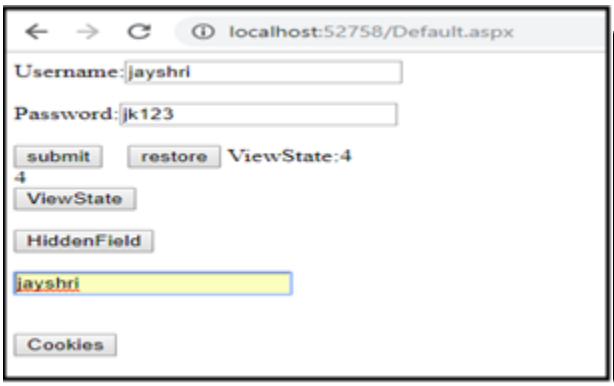
```
int viewstateval =
Convert.ToInt32(ViewState["count"]) + 1;
Label1.Text = "ViewState:" +
viewstateval.ToString(); ViewState["count"] =
viewstateval.ToString();

} }

else {

ViewState["count"] = "1";

} }

protected void Button1_Click(object sender, EventArgs e)

{

Label2.Text = ViewState["count"].ToString();

}

protected void Button2_Click(object sender, EventArgs e)

{

Page.EnableViewState = true;

HiddenField1.Value = "welcome to our
website:http://www.google.com" + "<br/>";

Label1.Text =
HiddenField1.Value;
HiddenField1.Value =
"0";

int i = 0;

i =
(int.Parse(HiddenField1.Valu
e)) + 1; Label2.Text =
i.ToString();
HiddenField1.Value =
i.ToString();
```

```
}
protected void Button3_Click(object sender, EventArgs e)
{
HttpCookie c1 = new
HttpCookie("name"); c1.Value =
TextBox1.Text;
Response.Cookies.Add(c1);
Response.Redirect("Default2.asp
x");
}
protected void Button4_Click(object sender, EventArgs e)
{
ViewState["name"] = TextBox2.Text;
ViewState["password"] = TextBox3.Text;
TextBox2.Text = TextBox3.Text =
string.Empty;
}
protected void Button5_Click(object sender, EventArgs e)
{
if (ViewState["name"] != null)
{
TextBox2.Text = ViewState["name"].ToString();
}
if (ViewState["password"] != null)
{
TextBox3.Text = ViewState["password"].ToString();
}
} }
```

Default2.aspx.cs

```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
public partial class Default2 : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
if (Request.Cookies["name"] != null)
{
Response.Write("Welcome:" + Request.Cookies["name"].Value);
}
}}
```

Output:



Practical No:06

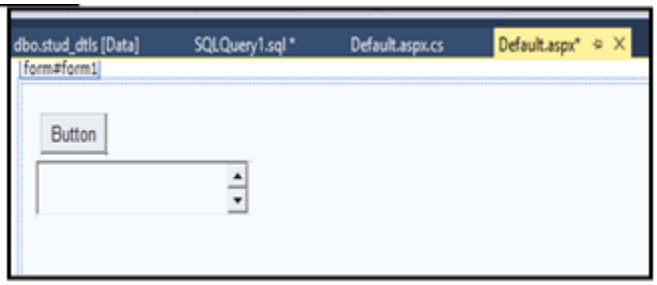
Working with Database

a)Create a web application bind data in a multiline textbox by querying in another textbox.

Deafult.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" 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>

<br />
 &nb
sp; 

<asp:Button ID="Button1" runat="server"
Text="Button" onclick="Button1_Click" />

<br
/>
&nb
sp;&
nbsp
;
```

```
<asp:TextBox ID="TextBox1" runat="server"
Text="<%# str %>"
TextMode="MultiLine"></asp:TextBox>

 <br />

<br /><br />

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

</form>

</body></html>
```



Design:

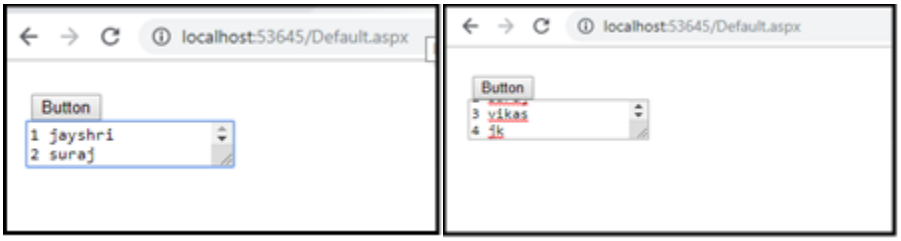
Deafult.aspx.cs

```
using System;

using
System.Collections.Gen
eric; using System.Linq;

using
System.Web
; using
System.Web
.UI;

using
System.Web.UI.WebCont
rols; using System.Data;

using System.Data.SqlClient;

public partial class _Default : System.Web.UI.Page
```

```
{
protected String str;
SqlConnection cn = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=F:\\jkwebsite\\pract6a
2\
\App_Data\\Database.mdf;Integrated
Security=True"); protected void
Page_Load(object sender, EventArgs e)
{
}
protected void Button1_Click(object sender, EventArgs e)
{
SqlCommand cmd = new SqlCommand("select * from
stud_dtls", cn); cn.Open();
SqlDataReader dr =
cmd.ExecuteReader(); while
(dr.Read())
{
str += dr["id"] + " " + dr["name"] + "\n";
}
this.DataBind();
} }
```

Query to create database

Output:



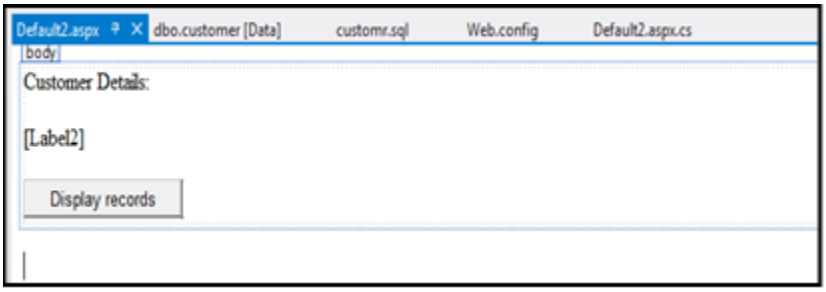
Create a web application to display records by using database.

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
Debug="true" CodeFile="Default2.aspx.cs"
Inherits="Default2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title></head>

<body>

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

<div>

<asp:Label ID="Label1" runat="server" Text="Customer Details:"></asp:Label>

<br /><br />

<asp:Label ID="Label2" runat="server"></asp:Label>

<br /><br />

<asp:Button ID="Button1" runat="server"
Text="Display records" OnClick="Button1_Click" />

  

</div>

</form>
```

```
</body>
</html>
```

Design



Web .config

```
<configuration>
<system.web>
<compilation debug="true" strict="false" explicit="true" targetFramework="4.5"
/>
<httpRuntime targetFramework="4.5" />
</system.web>
<connectionStrings>
<add name="connStr" connectionString="Data
Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\Deepak\Docume
nts\Visual Studio 2012\WebSites\Prac
6b\App_Data\Database2.mdf;Integrated Security=True"/>
</connectionStrings>
</configuration>
```

Design.apsx.cs

```
using
System;
using
```

```
System.
Data;

using
System.Collections.Gen
eric; using
System.Configuration;
using
System.Data.SqlClient;
using System.Linq;

using
System.Web
; using
System.Web
.UI;

using System.Web.UI.WebControls;

public partial class Default2 : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void Button1_Click(object sender, EventArgs e)

{

string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
SqlConnection con = new SqlConnection(connStr);

SqlCommand cmd = new SqlCommand("Select * from
customer", con); con.Open();

SqlDataReader reader =
cmd.ExecuteReader(); while
(reader.Read())
```

```
{
Label1.Text += reader["c_name"].ToString() + " " + reader["c_city"].ToString()
+ " " + reader["c_state"].ToString()+"<br>";
}
read
er.Cl
ose()
;
con.
Clos
e();
} }
```

Output:

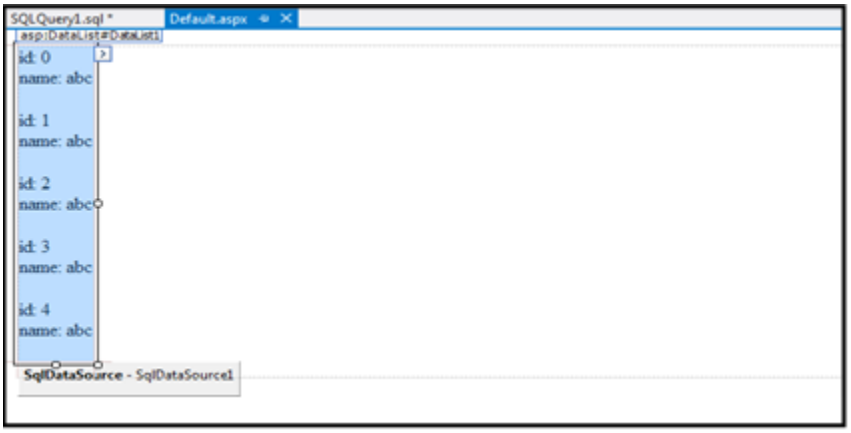
Demonstrate the use of Datalist link control.

Default.aspx

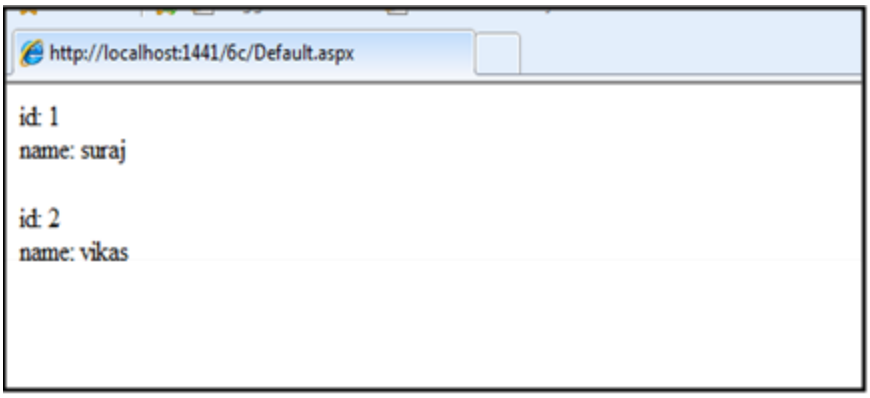
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title></head>
```

```
<body>
<form id="form1" runat="server">
<div style="height: 310px">
<asp:DataList ID="DataList1" runat="server"
DataSourceID="SqlDataSource1">
<ItemTemplate>
id:<asp:Label ID="idLabel" runat="server" Text='<%# Eval("id") %>' /><br />
name:<asp:Label ID="nameLabel" runat="server" Text='<%# Eval("name") %>'
/><br /><br />
</ItemTemplate>
</asp:DataList>
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
SelectCommand="SELECT * FROM [student]"></asp:SqlDataSource>
</div></form></body>
</html>
```

Design



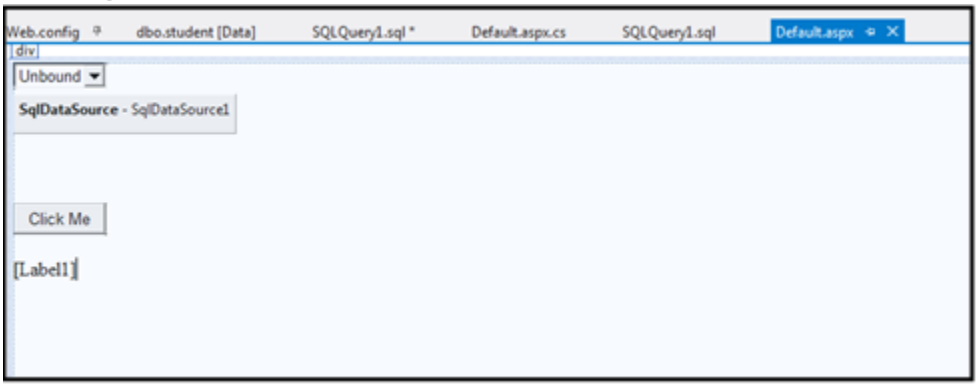
Output:



Practical No:07

Create a web application to display Databinding using dropdownlist control.

Design



Web.config

```
<configuration>
<connectionStrings>
<add name="DatabaseConnectionString" connectionString="Data Source=(LocalDB)\v11.0;AttachDbFilename=&quot;C:\Users\Deepak\Documents\ Visual Studio 2012\WebSites\6c\App_Data\Database.mdf&quot;;Integrated Security=True;Connect Timeout=30"
```

```
providerName="System.Data.SqlClient" />
<add name="ConnectionString" connectionString="Data
Source=(LocalDB)\v11.0;AttachDbFilename=|DataDirectory|\Database2
.mdf;Integ rated Security=True"
providerName="System.Data.SqlClient" />
</connectionStrings>
<system.web>
<compilation debug="false" strict="false" explicit="true"
targetFramework="4.5"
/>
<httpRuntime targetFramework="4.5" />
</system.web>
</configuration>
```

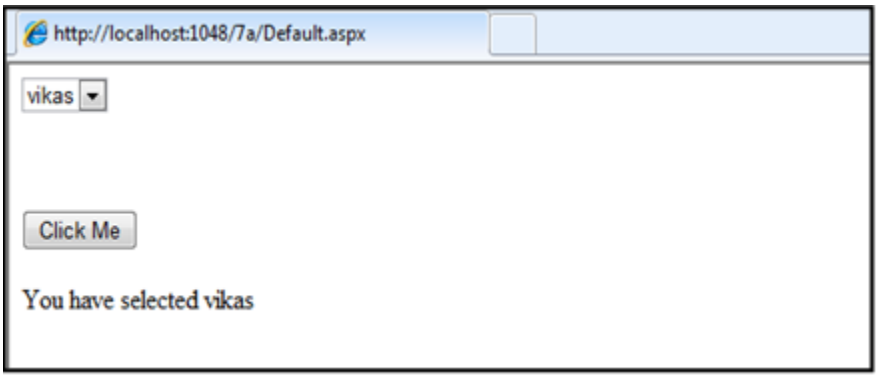
Default.aspx.cs

```
using System;
using System.Collections.Generic;

using
System.Configurati
on; using
System.Data.SqlCl
ient; using
System.Linq;
using
System.Web
; using
System.Web
.UI;
using System.Web.UI.WebControls;
```

```
public partial class _Default : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
if (IsPostBack == false)
{
string DatabaseConnectionString =
ConfigurationManager.ConnectionStrings["DatabaseConnectionString"]
.Connectio nString;
SqlConnection con = new
SqlConnection(DatabaseConnectionString); SqlCommand cmd
= new SqlCommand("select name from student", con);
con.Open();
SqlDataReader reader =
cmd.ExecuteReader();
DropDownList1.DataSource =
reader;
DropDownList1.DataTextField =
"name";
DropDownList1.DataBind();
read
er.Cl
ose()
;
con.
Clos
e();
} }
protected void Button1_Click(object sender, EventArgs e)
{
Label1.Text = "You have selected " + DropDownList1.SelectedValue;
```

}}

Output:



Create a web application for to display the phone no of an author using database.

Default.aspx

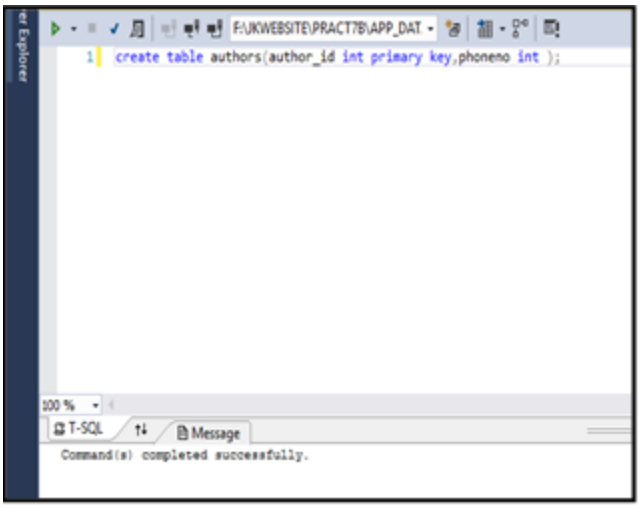
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title></head>

<body>

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

<div>      <br /><br />

<asp:Label ID="Label1" runat="server" Text="Enter Author's

ID:"></asp:Label>

         &nbs

p;
```

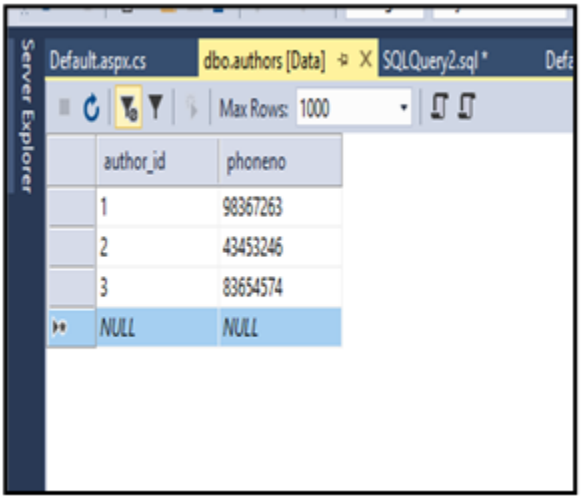
```
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br /><br />

<asp:Label ID="Label2" runat="server"
Text="Author's Phone
Number"></asp:Label> 

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<br /><br />

<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="Button" /><br /><br />

<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
DeleteCommand="DELETE FROM [authors] WHERE [author_id] =
@author_id"


InsertCommand="INSERT INTO [authors] ([author_id], [phoneno])
VALUES (@author_id, @phoneno)" SelectCommand="SELECT *
FROM [authors]" UpdateCommand="UPDATE [authors] SET
[phoneno] = @phoneno WHERE [author_id] = @author_id">

<DeleteParameters>

<asp:Parameter Name="author_id" Type="Int32" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="author_id" Type="Int32" />

<asp:Parameter Name="phoneno" Type="Int32" />

</InsertParameters>
```

```
<UpdateParameters>

<asp:Parameter Name="phoneno" Type="Int32" />

<asp:Parameter Name="author_id" Type="Int32" />

</UpdateParameters>

</asp:SqlDataSource></div>

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

Design

Database:



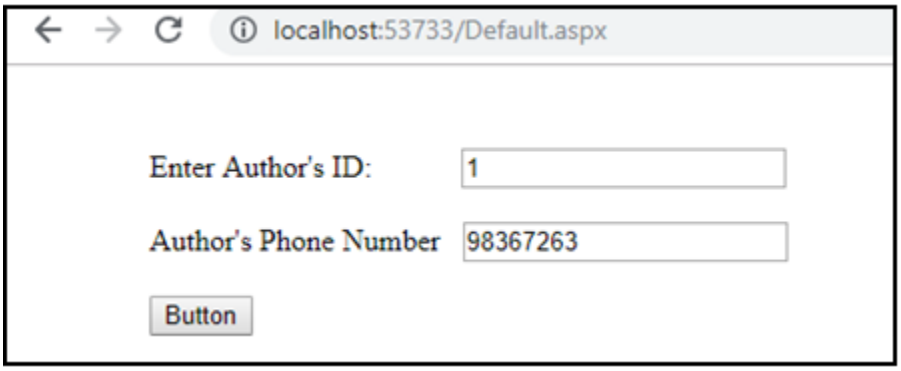


Defult.aspx.cs

```
using System;

using

System.Collections.Gen

eric; using System.Linq;

using

System.Web

; using

System.Web

.UI;

using

System.Web.UI.WebCont

rols; using System.Data;

using System.Data.SqlClient;

public partial class _Default : System.Web.UI.Page

{

SqlConnection cn = new SqlConnection("Data
Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=F:\\jkwebsite\\pract7b
\\ App_Data\\Database.mdf;Integrated Security=True");

SqlDataReader dr;


protected void Page_Load(object sender, EventArgs e)
```

```
{   }

protected void Button1_Click(object sender, EventArgs e)

{

SqlCommand cmd = new SqlCommand("select * from authors where
author_id="

+ TextBox1.Text

+ "", cn);

cn.Open();

dr =

cmd.ExecuteRea

der(); while

(dr.Read())

{

TextBox2.Text = Convert.ToString(dr["phoneno"]);

}}}
```

Output:



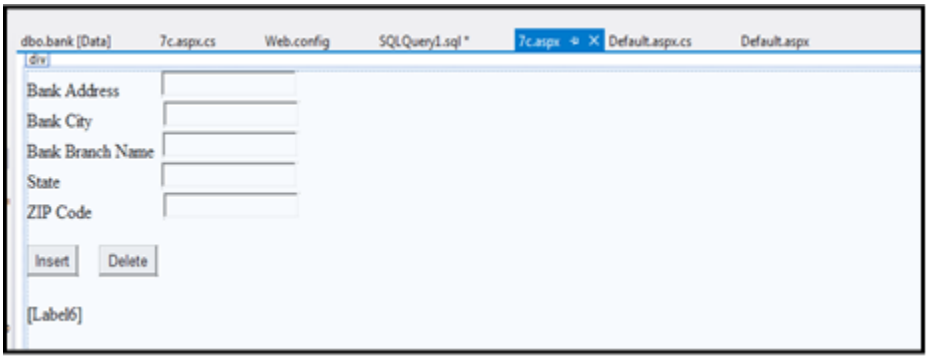
Create a web application for inserting and deleting record from a database. (Using Execute-Non Query).

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="7c.aspx.cs" Inherits="_7c" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title></head>

<body>

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

<div style="height: 331px">

<asp:Label ID="Label1" runat="server" Text="Bank
Address"></asp:Label>
         

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<asp:Label ID="Label2" runat="server" Text="Bank City"></asp:Label>

<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br />

<asp:Label ID="Label3" runat="server" Text="Bank Branch
Name"></asp:Label>  

<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br />

<asp:Label ID="Label4" runat="server" Text="State"></asp:Label>

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox><br />

<asp:Label ID="Label5" runat="server" Text="ZIP Code"></asp:Label>

<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>

<br /><br />
```

```
<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="Insert" />
    
<asp:Button ID="Button2" runat="server" Text="Delete" />
<br /><br />
<asp:Label ID="Label6" runat="server"></asp:Label>
</div>
</form>
</body>
</html>
```

Design:



Default.aspx.cs

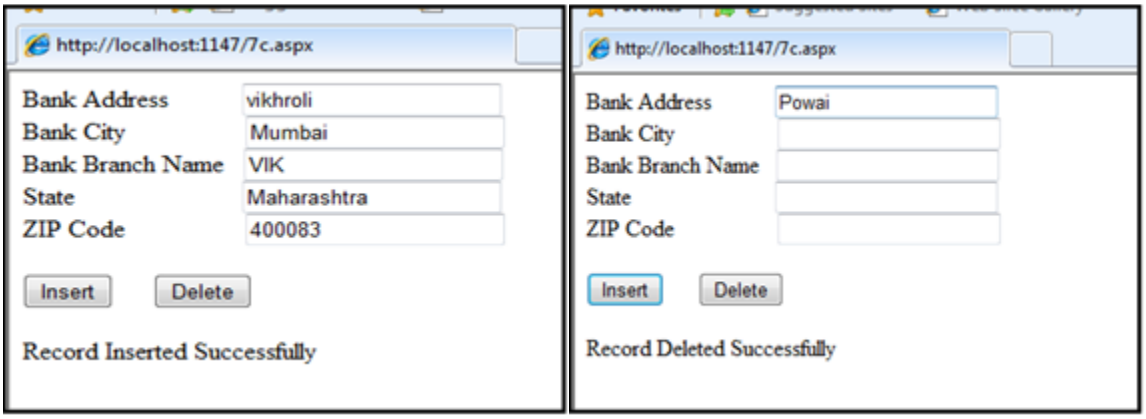
```
using System;
using
System.Collections.Gen
eric; using
System.Configuration;
using
System.Data.SqlClient;
using System.Linq;
using
System.Web
```

```
; using
System.Web
.UI; using
System.Data
;

using System.Web.UI.WebControls;

public partial class _7c : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

}

protected void Button1_Click(object sender, EventArgs e)

{

string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
SqlConnection con = new SqlConnection(connStr);

string InsertQuery = "insert into bank
values(@b_add,@b_city,@b_name,@b_state,@b_zi
p)"; SqlCommand cmd = new
SqlCommand(InsertQuery,con);
cmd.Parameters.AddWithValue("@b_add",
TextBox1.Text);
cmd.Parameters.AddWithValue("@b_city",
TextBox2.Text);
cmd.Parameters.AddWithValue("@b_name",
TextBox3.Text);
cmd.Parameters.AddWithValue("@b_state",
TextBox4.Text);
cmd.Parameters.AddWithValue("@b_zip",
TextBox5.Text); con.Open();
```

```
cmd.ExecuteNonQuery();
Label6.Text = "Record Inserted
Successfully"; TextBox1.Text = "";
TextBox2.
Text = "";
TextBox3.
Text = "";
TextBox4.
Text = "";
TextBox5.
Text = "";
con.Close
();
}
protected void Button2_Click(object sender, EventArgs e)


{
string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
SqlConnection con = new SqlConnection(connStr);
string deleteQuery = "delete from bank where
b_add=@b_add"; SqlCommand cmd = new
SqlCommand(deleteQuery, con);
cmd.Parameters.AddWithValue("@b_add",
TextBox1.Text); con.Open();
cmd.ExecuteNonQuery();
Label6.Text = "Record Deleted
Successfully"; TextBox1.Text = "";
TextBox2.
Text = "";
TextBox3.
```

```
Text = "";
TextBox4.
Text = "";
TextBox5.
Text = "";
con.Close
();
}}
```

Output:



Practical No:08

Working with data controls

Create a web application to demonstrate various uses and properties of SqlDataSource.

Default.aspx

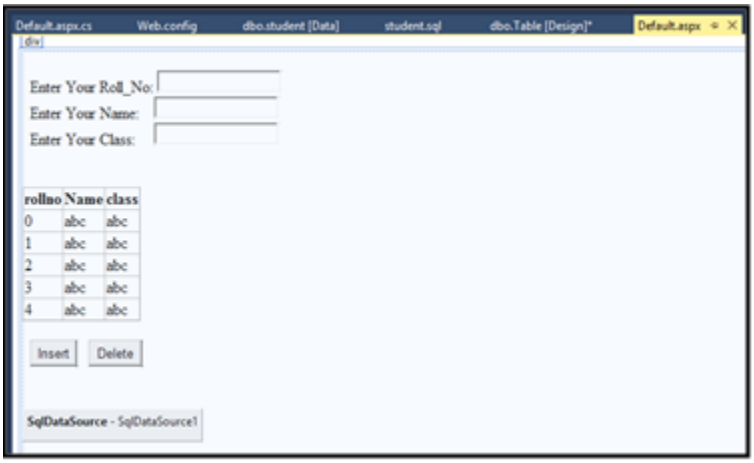
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>

<!DOCTYPE html>

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

<head runat="server">
```

```
<title></title>
</head><body>
<form id="form1" runat="server">
<
di
v
>
<
br
/>
&
n
bs
p;
<asp:Label ID="Label1" runat="server"
Text="Enter Your Roll_No:"></asp:Label>
 <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br />
<asp:Label ID="Label2" runat="server" Text="Enter Your
Name:"></asp:Label>    
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br />
<asp:Label ID="Label3" runat="server" Text="Enter Your
Class:"></asp:Label>     
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br /><br />
<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False" DataKeyNames="rollno"
DataSourceID="SqlDataSource1">
<Columns>
<asp:BoundField DataField="rollno" HeaderText="rollno"
ReadOnly="True" SortExpression="rollno" />
```

```
<asp:BoundField DataField="Name"
HeaderText="Name" SortExpression="Name"
/>

<asp:BoundField DataField="class" HeaderText="class" SortExpression="class"

/>

</Columns>

</asp:GridVi
ew><br />
 


<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="Insert" />  

<asp:Button ID="Button2" runat="server"
OnClick="Button2_Click" Text="Delete" /><br /><br
/><br />

<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
SelectCommand="SELECT * FROM [student]"
DeleteCommand="DELETE FROM [student] WHERE [rollno] =
@rollno" InsertCommand="INSERT INTO [student] ([rollno],
[Name], [class]) VALUES (@rollno, @Name, @class)"
UpdateCommand="UPDATE [student] SET [Name] = @Name, [class]
= @class WHERE [rollno] = @rollno">

<DeleteParameters>

<asp:Parameter Name="rollno" Type="Int32" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="rollno" Type="Int32" />

<asp:Parameter Name="Name" Type="String" />
```

```
<asp:Parameter Name="class" Type="String" />
</InsertParameters>
<UpdateParameters>
<asp:Parameter Name="Name" Type="String" />
<asp:Parameter Name="class" Type="String" />
<asp:Parameter Name="rollno" Type="Int32" />
</UpdateParameters></asp:SqlDataSource>
<br /><br />
</div></form>
</body></html>
```

Design:



Web.config

```
<?xml version="1.0"?>
<!--
For more information on how to configure your ASP.NET application, please visit http://go.microsoft.com/fwlink/?LinkId=169433
-->
<configuration>
```

```
<connectionStrings>
<add name="ConnectionString" connectionString="Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Databa
s e.mdf;Integrated Security=True"
providerName="System.Data.SqlClient" />
</connectionStrings>
<system.web>
<compilation debug="true" targetFramework="4.5.2" />
<httpRuntime targetFramework="4.5.2" />
</system.web>
</configuration>
```

Default.aspx.cs

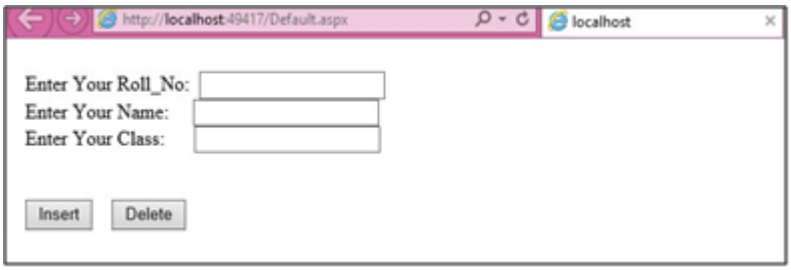
```
using System;
using
System.Collections.Gen
eric; using System.Linq;
using
System.Web
; using
System.Web
.UI;
using
System.Web.UI.WebCont
rols; using System.Data;
using
System.Data.SqlCl
ient; using
```

```
System.Configurati
on;

public partial class _Default : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{

string ConnectionString =
ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionStrin
g; SqlConnection con = new SqlConnection(ConnectionString);

SqlCommand cmd = new SqlCommand("Select * from
student", con); con.Open();


SqlDataAdapter adapter = new
SqlDataAdapter(cmd); DataSet ds = new
DataSet();

adapter.Fill(ds, "student");

}

protected void Button1_Click(object sender, EventArgs e)

{

SqlDataSource1.InsertParameters["rollno"].DefaultValue =
TextBox1.Text;
SqlDataSource1.InsertParameters["Name"].DefaultValue =
TextBox2.Text;
SqlDataSource1.InsertParameters["class"].DefaultValue =
TextBox3.Text; SqlDataSource1.Insert();

}

protected void Button2_Click(object sender, EventArgs e)

{
```

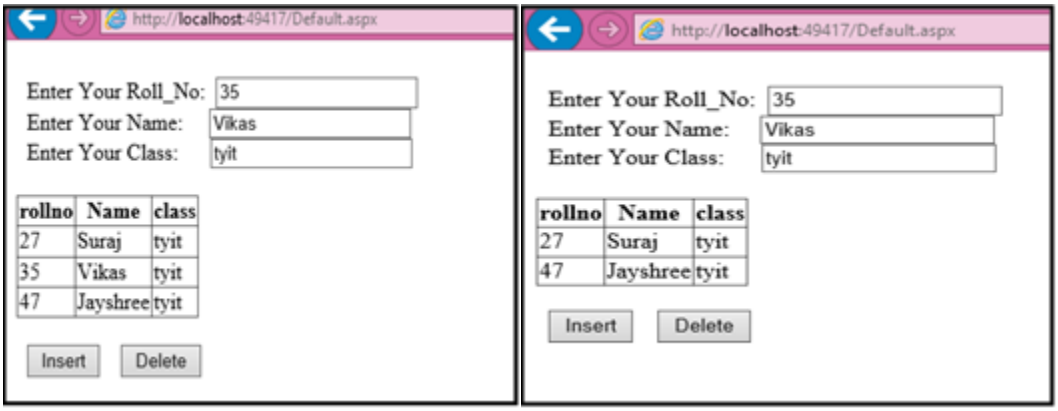
SqlDataSource1.DeleteParameters["rollno"].DefaultValue = TextBox1.Text; SqlDataSource1.Delete();

} }

Output:



- **Insert: Delete :**



Create a web application to demonstrate data binding using DetailsView and FormView Control.

Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head id="Head1" runat="server">

```
<title></title></head>
<body>
<form id="form1" runat="server">
<div align="center">
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
SelectCommand="SELECT * FROM [student]"
ConflictDetection="CompareAllValues" DeleteCommand="DELETE
FROM [student] WHERE [id] = @original_id AND (([name] =
@original_name) OR ([name] IS NULL AND @original_name IS
NULL))" InsertCommand="INSERT INTO [student] ([id], [name])
VALUES (@id, @name)"
OldValuesParameterFormatString="original_{0}"
UpdateCommand="UPDATE [student] SET [name] = @name WHERE
[id] = @original_id AND (([name] = @original_name) OR ([name] IS
NULL AND @original_name IS NULL))">
<DeleteParameters>
<asp:Parameter Name="original_id" Type="Int32" />
<asp:Parameter Name="original_name" Type="String" />
</DeleteParameters>
<InsertParameters>
<asp:Parameter Name="id" Type="Int32" />
<asp:Parameter Name="name" Type="String" />
</InsertParameters>
<UpdateParameters>
<asp:Parameter Name="name" Type="String" />
<asp:Parameter Name="original_id" Type="Int32" />
<asp:Parameter Name="original_name" Type="String" />
</UpdateParameters>
```

```
</asp:SqlDataSource>
<br />
<asp:DetailsView ID="DetailsView1" runat="server" AllowPaging="True"


DataSourceID="SqlDataSource1" Height="50px"
Width="125px" AutoGenerateRows="False"
DataKeyNames="id">
<Fields>
<asp:BoundField DataField="id" HeaderText="id"
ReadOnly="True" SortExpression="id" />
<asp:BoundField DataField="name" HeaderText="name"
SortExpression="name"
/>
<asp:CommandField ShowDeleteButton="True"
ShowEditButton="True" ShowInsertButton="True" />
</Fields>
</asp:DetailsView><br />
<asp:SqlDataSource ID="SqlDataSource2" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>"
SelectCommand="SELECT * FROM [student]"
ConflictDetection="CompareAllValues" DeleteCommand="DELETE
FROM [student] WHERE [id] = @original_id AND (([name] =
@original_name) OR ([name] IS NULL AND @original_name IS
NULL))" InsertCommand="INSERT INTO [student] ([id], [name])
VALUES (@id, @name)"
OldValuesParameterFormatString="original_{0}"
UpdateCommand="UPDATE [student] SET [name] = @name WHERE
[id] = @original_id AND (([name] = @original_name) OR ([name] IS
NULL AND @original_name IS NULL))">
<DeleteParameters>
```

<asp:Parameter Name="original_id" Type="Int32" />

<asp:Parameter Name="original_name" Type="String" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="id" Type="Int32" />

<asp:Parameter Name="name" Type="String" />

</InsertParameters>

<UpdateParameters>

<asp:Parameter Name="name" Type="String" />

<asp:Parameter Name="original_id" Type="Int32" />

<asp:Parameter Name="original_name" Type="String" />

</UpdateParameters>

</asp:SqlDataSource>

<asp:FormView ID="FormView1" runat="server"
AllowPaging="True" DataSourceID="SqlDataSource2"
DataKeyNames="id">

<EditItem
Template>
id:

<asp:Label ID="idLabel1" runat="server" Text='<%# Eval("id") %>' />

name:

<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>'

/>

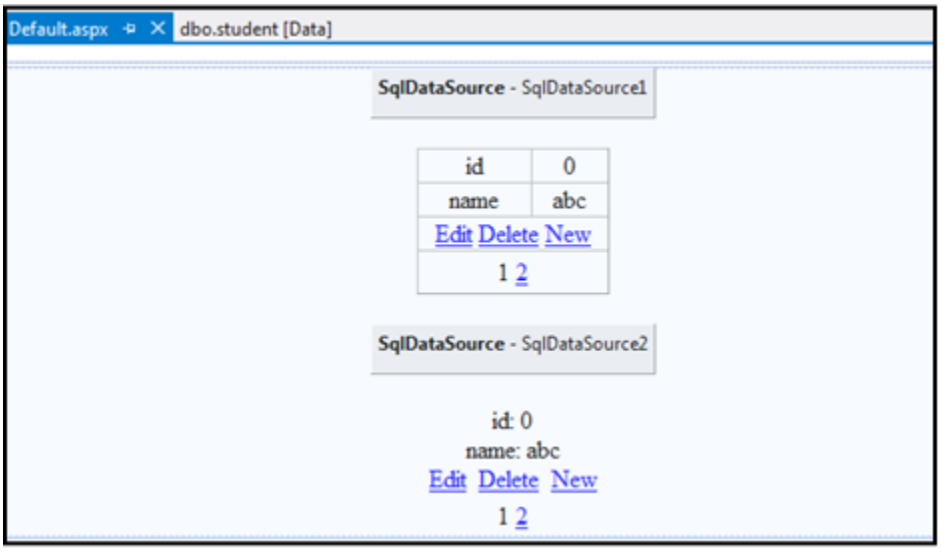
<asp:LinkButton ID="UpdateButton" runat="server"
CausesValidation="True" CommandName="Update" Text="Update"
/>

 <asp:LinkButton ID="UpdateCancelButton" runat="server"
CausesValidation="False" CommandName="Cancel" Text="Cancel" />

```
</EditItemTemplate>
<InsertItem
Template>
id:
<asp:TextBox ID="idTextBox" runat="server" Text='<%# Bind("id") %>' />
<
b
r
/
>

n
a
m
e
:
<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>'
/><br />
<asp:LinkButton ID="InsertButton" runat="server"
CausesValidation="True" CommandName="Insert" Text="Insert"
/>
 <asp:LinkButton ID="InsertCancelButton" runat="server"
CausesValidation="False" CommandName="Cancel" Text="Cancel" />
</InsertItemTemplate>
<ItemTemplate>
id:<asp:Label ID="idLabel" runat="server" Text='<%# Eval("id") %>' /><br />
name:<asp:Label ID="nameLabel" runat="server" Text='<%# Bind("name") %>'
/><br />
```

```
<asp:LinkButton ID="EditButton" runat="server"
CausesValidation="False" CommandName="Edit" Text="Edit" />

 <asp:LinkButton ID="DeleteButton" runat="server"
CausesValidation="False" CommandName="Delete"
Text="Delete" />  <asp:LinkButton ID="NewButton"
runat="server" CausesValidation="False"
CommandName="New" Text="New" />

</ItemTemplate>

</asp:FormView>

</div>

</form>

</body>

</html>
```

Design.aspx

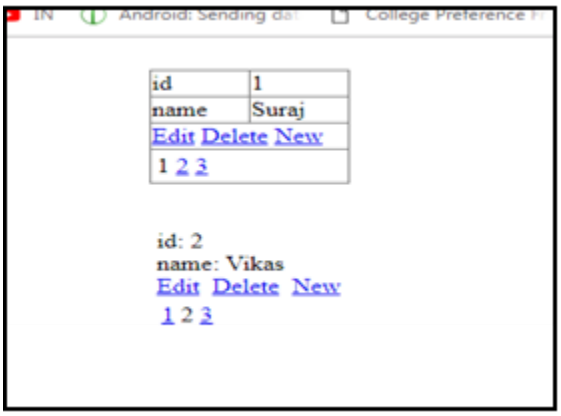


Default.aspx.cs

```
using System;
```

```
using
System.Collections.Gen
eric; using System.Linq;

using
System.Web
; using
System.Web
.UI;

using System.Web.UI.WebControls;

public partial class _Default : System.Web.UI.Page

{

protected void Page_Load(object sender, EventArgs e)

{ } }
```

Output:



Create a web application to display Using Disconnected Data Access and Databinding using GridView.

Default.aspx

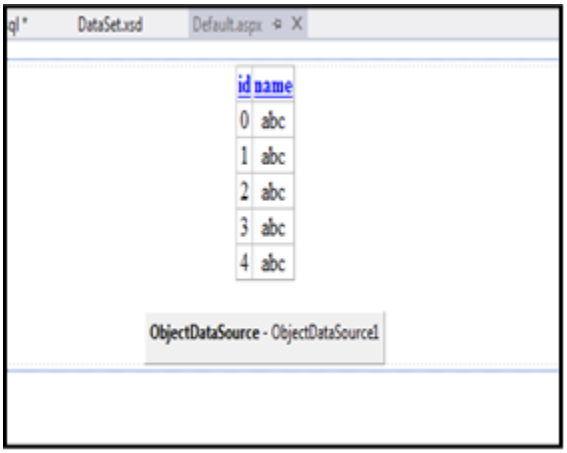
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeFile="Default.aspx.cs" Inherits="_Default" %>
```

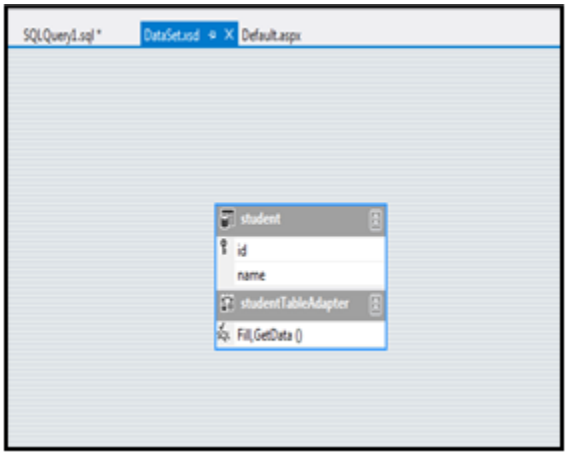
```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

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

<head id="Head1" runat="server">

<title></title></head>

<body>

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

<div align="center">

<asp:GridView ID="GridView1" runat="server" AllowSorting="True" AutoGenerateColumns="False" DataSourceID="ObjectDataSource1" DataKeyNames="id">

<Columns>

<asp:BoundField DataField="id" HeaderText="id" SortExpression="id" ReadOnly="True" />

<asp:BoundField DataField="name" HeaderText="name" SortExpression="name"

/>

</Columns>

</asp:GridView><br />

<asp:ObjectDataSource ID="ObjectDataSource1" runat="server" InsertMethod="Insert" OldValuesParameterFormatString="original_{0}" SelectMethod="GetData" TypeName="DataSetTableAdapters.studentTableAdapter" DeleteMethod="Delete" UpdateMethod="Update">

<DeleteParameters>

<asp:Parameter Name="Original_id" Type="Int32" />

</DeleteParameters>
```

```
<InsertParameters>
<asp:Parameter Name="id" Type="Int32" />
<asp:Parameter Name="name" Type="String" />
</InsertParameters>
<UpdateParameters>
<asp:Parameter Name="name" Type="String" />
<asp:Parameter Name="Original_id" Type="Int32" />
</UpdateParameters>
</asp:ObjectDataSource>
</div></form></body>
</html>
```

Design:

i)**Default.aspx** **ii)DataSet.xsd**





Default.aspx.cs

```
using System;
using System.Collections.Generic; using System.Linq;
using System.Web
```

```
; using
System.Web
.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{   }
}
```
Output: