

1: Introduction to ASP.NET

Practical: 1.1

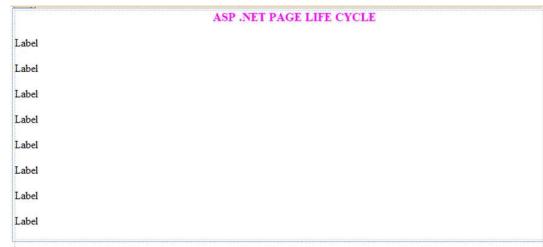
Aim: Create a simple web page to show ASP.NET page Life cycle.

Code:

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="height: 342px">
    <form id="form1" runat="server">
        <center>
            <div style="height: 388px; width: 799px">
                <asp:Label ID="Label1" runat="server" Font-Bold="True" Font-Size="XX-Large"
                ForeColor="Fuchsia" Text="ASP .NET PAGE LIFE CYCLE"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label4" runat="server" Text="Label"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label5" runat="server" Text="Label"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label6" runat="server" Text="Label"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label7" runat="server" Text="Label"></asp:Label>
```

```
<br />
<br />
<asp:Label ID="Label8" runat="server"
Text="Label"></asp:Label>
<br />
<br />
<asp:Label ID="Label9" runat="server"
Text="Label"></asp:Label>
<br />
</div>
</center>
</form>
</body>
</html>
```



#WebForm1.aspx.cs

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

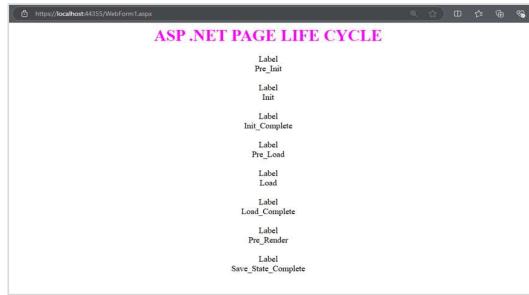
namespace PageLifeCycle
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_PreInit(object sender, EventArgs e)
        {
            Label2.Text += "<br/>" + "Pre_Init";
        }
        protected void Page_Init(object sender, EventArgs e)
        {
            Label3.Text += "<br/>" + "Init";
        }
    }
}
```

```

protected void Page_InitComplete(object sender,
EventArgs e)
{
    Label4.Text += "<br/>" + "Init_Complete";
}
protected void Page_Preload(object sender,
EventArgs e)
{
    Label5.Text += "<br/>" + "Pre_Load";
}
protected void Page_Load(object sender,
EventArgs e)
{
    Label6.Text += "<br/>" + "Load";
}
protected void Page_LoadComplete(object sender,
EventArgs e)
{
    Label7.Text += "<br/>" + "Load_Complete";
}
protected void Page_PreRender(object sender,
EventArgs e)
{
    Label8.Text += "<br/>" + "Pre_Render";
}
protected void Page_SaveStateComplete(object
sender, EventArgs e)
{
    Label9.Text += "<br/>" +
"Save_State_Complete";
}
}

```

Output:



Practical: 1.2

Aim: Design a web form to accept user input (e.g., name, email, etc.) and display it after submission.

Code:

#webform.aspx

```

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <h1>Registration Form</h1>
        <div>
            <asp:Label ID="Label1" runat="server">
                Text="Enter Name"></asp:Label>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br/><br/>
            <asp:Label ID="Label2" runat="server">
                Text="Enter Roll no"></asp:Label>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br/><br/>
            <asp:Label ID="Label3" runat="server">
                Text="Enter E-mail"></asp:Label>
            <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <br/><br/>
            <asp:Label ID="Label4" runat="server">
                Text="Enter Contact"></asp:Label>
            <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
            <br/><br/>
            <asp:Label ID="Label5" runat="server">
                Text="Enter College Name"></asp:Label>
            <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
            <br/><br/>
            <asp:Button ID="Button1" runat="server" Text="SUBMIT" OnClick="Button1_Click" />
            <br/><br/>
            <asp:Label ID="Label6" runat="server" Text=""></asp:Label>
        </div>
    </form>
</body>
</html>

```

Registration Form

Enter Name

Enter Roll no

Enter E-mail

Enter Contact

Enter College Name

SUBMIT

```
#webform.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace First
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {

        }

        protected void Button1_Click(object sender,
EventArgs e)
        {
            String s1, s2, s3, s4, s5;
            s1 = Request.Form["TextBox1"];
            s2 = Request.Form["TextBox2"];
            s3 = Request.Form["TextBox3"];
            s4 = Request.Form["TextBox4"];
            s5 = Request.Form["TextBox5"];

            Label6.Text = s1 + " " + s2 + " " + s3 + " " + s4
+ " " + s5;
        }
    }
}
```

Registration Form

Enter Name

Enter Roll no

Enter E-mail

Enter Contact

Enter College Name

SUBMIT

Saurabh 2412 sgond2099@gmail.com 9146417880 Swayam Siddhi College

Practical: 1.3

Aim: Implement a Cross Page Post back feature to pass data between two web pages.

Code:

#webform1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="PostBackposting_Crosspageposting.WebForm
1" %>
<!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="Enter Name :"></asp:Label>
            <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox><br /><br /><br /><br />
            <asp:Calendar ID="Calendar1"
runat="server"></asp:Calendar><br /><br />
            <asp:Button ID="Button1" runat="server"
Text="PostBack Posting" OnClick="Button1_Click"
/><br /><br /><br />
            <asp:Button ID="Button2" runat="server"
Text="Crosspage Posting" OnClick="Button2_Click"
PostBackUrl="~/WebForm2.aspx" /><br /><br />
```

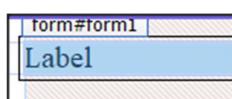
```
<asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>
</div>
</form>
</body>
</html>
```

The screenshot shows a web page with a central calendar for February 2025. The days of the week are labeled Sun through Sat. The dates are arranged in a grid. Below the calendar are two buttons: 'PostBack Posting' and 'Crosspage Posting'. At the bottom of the page is a placeholder for a label.

```
#webform1.aspx
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="Postbackposting_Crosspageposting.WebForm
2" %>

<!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="Label2" runat="server"
Text="Label"></asp:Label>
        </div>
    </form>
</body>
</html>
```



```
#webform1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Postbackposting_Crosspageposting
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }

        protected void Button1_Click(object sender,
EventArgs e)
        {
            Label2.Text = "Hi " + TextBox1.Text + ", here
is the output of the Same Page Post Back Button: "
+
Calendar1.SelectedDate.ToString();
        }

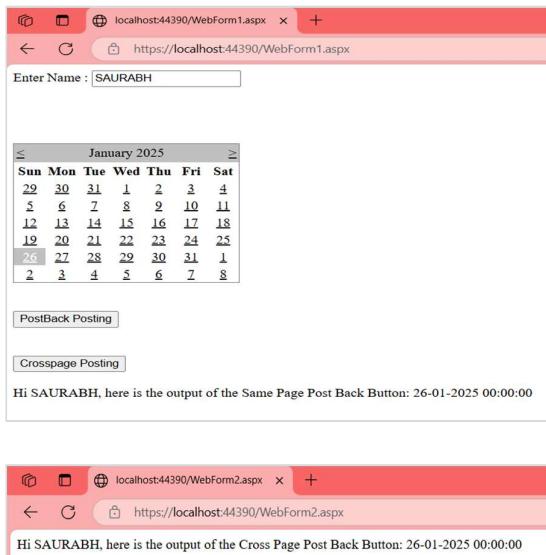
        protected void Button2_Click(object sender,
EventArgs e)
        {
        }
    }
}
```

```
#webform2.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Postbackposting_Crosspageposting
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
            Calendar Calendar1 = new Calendar();
            TextBox TextBox1 = new TextBox();
        }
    }
}
```

```
Calendar1 =  
(Calendar)(PreviousPage.FindControl("Calendar1"));  
TextBox1 =  
(TextBox)(PreviousPage.FindControl("TextBox1"));  
Label1.Text = "Hi " + TextBox1.Text + ", here  
is the output of the Cross Page Post Back Button: "  
+ Calendar1.SelectedDate.ToString();  
}  
}  
}
```

Output:



Practical: 1.4

Aim: Develop a web application demonstrating Auto Post back using a dropdown list to select and display items.

Code:

WebForm1.aspx

Design:

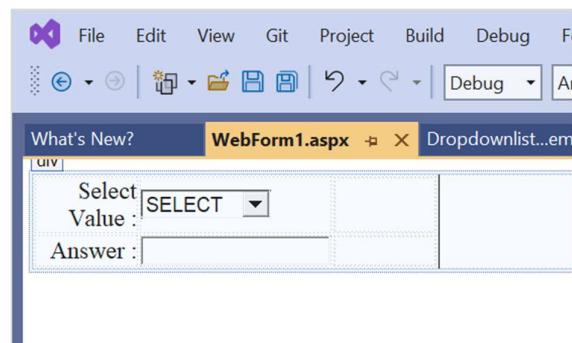
```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="DropdownlistAutopostbackDemo.WebForm1"
%>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
```

```
<form id="form1" runat="server">
    <div>
        <table>
            <tr>
                <td style="width: 100px; text-align: right">Select Value :</td>
                <td style="width: 100px; text-align: left">
                    <asp:DropDownList ID="Drpvalue" runat="server"
                        AutoPostBack="True"
                        OnSelectedIndexChanged="Drpvalue_SelectedIndexChanged"
                        Width="128px">
                        <asp:ListItem Value="0">SELECT</asp:ListItem>
                        <asp:ListItem Value="1">Meera</asp:ListItem>
                        <asp:ListItem Value="2">Academy</asp:ListItem>
                        <asp:ListItem Value="3">ASP</asp:ListItem>
                        <asp:ListItem Value="4">PHP</asp:ListItem>
                        <asp:ListItem Value="5">SQL</asp:ListItem>
                    </asp:DropDownList></td>
                <td style="width: 100px; text-align: left">
                </td>
            </tr>
            <tr>
                <td style="width: 100px; text-align: right">Answer :</td>
                <td style="width: 100px; text-align: left">
                    <asp:TextBox ID="TextBox1"
                        runat="server"></asp:TextBox></td>
                <td style="width: 100px; text-align: left">
                </td>
            </tr>
        </table>
    </div>
</form>
</body>
</html>
```

Now, open the property windows of DropDownList control and change the Autopostback property. AutoPostBack = True

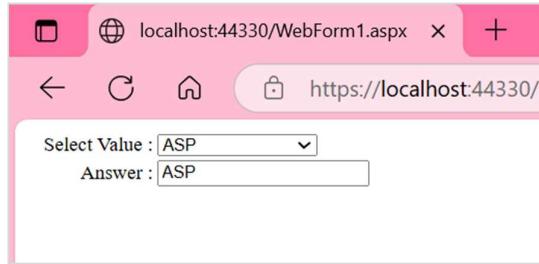
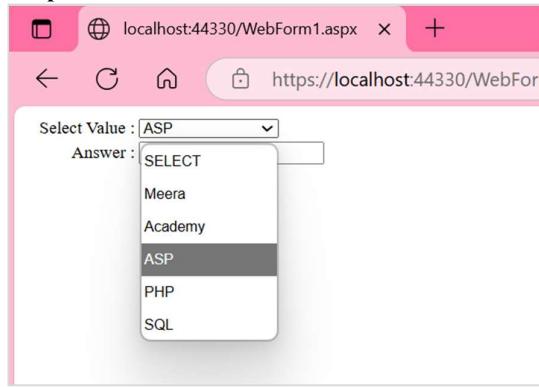


WebForm1.aspx.cs

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

```
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace DropdownlistAutopostbackDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void
Drpvalue_SelectedIndexChanged(object sender,
EventArgs e)
        {
            TextBox1.Text = Drpvalue.SelectedItem.Text;
        }
    }
}
```

Output:



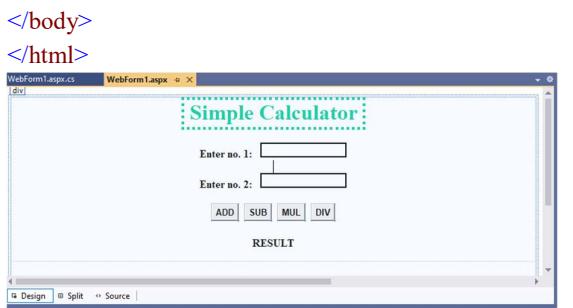
```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="height: 242px">
    <form id="form1" runat="server">
        <center>
            <div style="height: 380px">
                <asp:Label ID="Label1" runat="server" BorderStyle="Dotted" Font-Bold="True" Font-Overline="False" Font-Size="XX-Large" Font-Strikeout="False" Font-Underline="False" ForeColor="#00CC99" Height="40px" Text=" Simple Calculator " Width="265px"></asp:Label>
                <br />
                <br />
                <asp:Label ID="Label2" runat="server" Font-Bold="True" Text="Enter no. 1: "></asp:Label>
                &nbsp;
                <asp:TextBox ID="TextBox1" runat="server" BorderStyle="Solid"></asp:TextBox>
                <br />
                <br />
                <asp:Label ID="Label3" runat="server" Font-Bold="True" Text="Enter no. 2: "></asp:Label>
                &nbsp;
                <asp:TextBox ID="TextBox2" runat="server" BorderStyle="Solid"></asp:TextBox>
                <br />
                <br />
                <asp:Button ID="Button1" runat="server" Font-Bold="True" OnClick="Button1_Click" Text="ADD" />
                &nbsp;
                <asp:Button ID="Button2" runat="server" Font-Bold="True" OnClick="Button2_Click" Text="SUB" />
                &nbsp;
                <asp:Button ID="Button3" runat="server" Font-Bold="True" OnClick="Button3_Click" Text="MUL" />
                &nbsp;
                <asp:Button ID="Button4" runat="server" Font-Bold="True" OnClick="Button4_Click" Text="DIV" />
                <br />
                <br />
                <asp:Label ID="Label4" runat="server" Font-Bold="True" Text="RESULT"></asp:Label>
            </div>
        </center>
    </form>
```

Practical: 1.5

Aim: Create a simple calculator using server-side controls and operators in ASP.NET.

Code:

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



```
</body>
</html>


### Simple Calculator



Enter no. 1:



Enter no. 2:



RESULT


```

```
#WebForm1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace Calculator
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            double no1, no2, sum;
            no1 = Convert.ToDouble(textBox1.Text);
            no2 = Convert.ToDouble(textBox2.Text);
            sum = no1 + no2;
            Label4.Text = "The Sum is : " + sum;
        }
        protected void Button2_Click(object sender,
EventArgs e)
        {
            double no1, no2, sum;
            no1 = Convert.ToDouble(textBox1.Text);
            no2 = Convert.ToDouble(textBox2.Text);
            sum = no1 - no2;
            Label4.Text = "The Subtraction is : " + sum;
        }
        protected void Button3_Click(object sender,
EventArgs e)
        {
            double no1, no2, sum;
            no1 = Convert.ToDouble(textBox1.Text);
            no2 = Convert.ToDouble(textBox2.Text);
            sum = no1 * no2;
            Label4.Text = "The Multiplication is : " + sum;
        }
        protected void Button4_Click(object sender,
EventArgs e)
        {
            double no1, no2, sum;
            no1 = Convert.ToDouble(textBox1.Text);
            no2 = Convert.ToDouble(textBox2.Text);
            sum = no1 / no2;
            Label4.Text = "The Division is : " + sum;
        }
    }
}
```

```
}
```

```
protected void Button4_Click(object sender,
EventArgs e)
```

```
{
```

```
double no1, no2, sum;
no1 = Convert.ToDouble(textBox1.Text);
no2 = Convert.ToDouble(textBox2.Text);
sum = no1 / no2;
Label4.Text = "The Division is : " + sum;
```

```
}
```

```
}
```

Output:

Simple Calculator

Enter no. 1:

Enter no. 2:

The Sum is : 65

Simple Calculator

Enter no. 1:

Enter no. 2:

The Subtraction is : 45

Simple Calculator

Enter no. 1:

Enter no. 2:

The Multiplication is : 550

Simple Calculator

Enter no. 1:

Enter no. 2:

The Division is : 5.5

2: Creating a User Interface

Practical: 2.1

Aim: Design a registration form with validation controls for mandatory fields, email format, and passwords.

Code:

#First Add the Below Lines in Web.config

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="ValidationControls.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="Enter Name :></asp:Label>
            <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>&nbsp;
            <asp:RequiredFieldValidator runat="server"
ErrorMessage="Required field !!!"
ControlToValidate="TextBox1"></asp:RequiredFieldV
alidator><br /><br />

            <asp:Label ID="Label2" runat="server"
Text="Enter E-mail Id :></asp:Label>
            <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox>&nbsp;
            <asp:RegularExpressionValidator runat="server"
ErrorMessage="Enter Valid E-Mail !!!"
ControlToValidate="TextBox2"
ValidationExpression="^w+([-+.']w+)*@w+([-.
.]w+)*\.\w+([-_.]\w+)*"></asp:RegularExpressionValidator><br /><br />

            <asp:Label ID="Label3" runat="server"
Text="Enter Password :></asp:Label>
            <asp:TextBox ID="TextBox3" runat="server"
TextMode="Password"></asp:TextBox>&nbsp;
            <asp:RequiredFieldValidator runat="server"
ErrorMessage="Enter Password !!!"
```

```
ControlToValidate="TextBox3"></asp:RequiredFieldV
alidator><br /><br />
```

```
<asp:Label ID="Label4" runat="server"
Text="Enter Confrim Password :></asp:Label>
<asp:TextBox ID="TextBox4" runat="server"
TextMode="Password"></asp:TextBox>&nbsp;
<asp:CompareValidator runat="server"
ErrorMessage="CompareValidator !!!"
ControlToCompare="TextBox3"
ControlToValidate="TextBox4"></asp:CompareValidat
or><br /><br />
```

```
<asp:Label ID="Label5" runat="server"
Text="Enter Age :></asp:Label>
<asp:TextBox ID="TextBox5"
runat="server"></asp:TextBox>&nbsp;
<asp:RangeValidator runat="server"
ErrorMessage="Enter Valid Age !!!"
MaximumValue="60" MinimumValue="18"
ControlToValidate="TextBox5"></asp:RangeValidator
><br /><br />
```

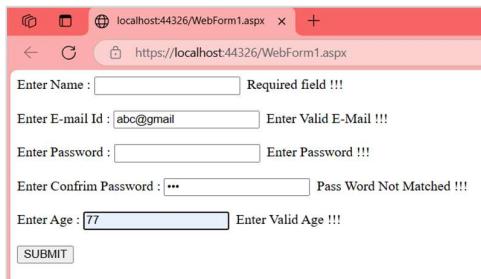
```
<asp:Button ID="Button1" runat="server"
Text="SUBMIT" OnClick="Button1_Click" /><br
/><br />
```

```
<asp:Label ID="Label6" runat="server"
Text=""></asp:Label>
</div>
</form>
</body>
</html>
```



```
#WebForm1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace ValidationControls
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            String s1, s2, s3, s4, s5;
            s1 = Request.Form["TextBox1"];
            s2 = Request.Form["TextBox2"];
            s3 = Request.Form["TextBox3"];
            s4 = Request.Form["TextBox4"];
            s5 = Request.Form["TextBox5"];
            Label6.Text = s1 + " " + s2 + " " + s3 + " " + s4
            + " " + s5;
        }
    }
}
```

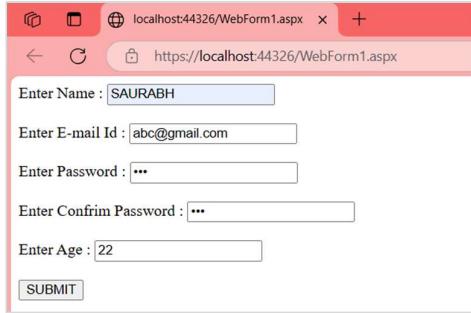
Output:



The screenshot shows a web page with five input fields: Name, E-mail Id, Password, Confirm Password, and Age. Each field has an associated validation message below it:

- Enter Name : Required field !!!
- Enter E-mail Id : Enter Valid E-Mail !!!
- Enter Password : Enter Password !!!
- Enter Confrim Password : Pass Word Not Matched !!!
- Enter Age : 77 Enter Valid Age !!!

A **SUBMIT** button is at the bottom.



The screenshot shows a web page with the same set of five input fields. The validation messages are identical to the first screenshot, indicating that the user has not yet entered valid data.

SAURABH abc@gmail.com 123 123 22

Practical: 2.2

Aim: Design an ASP.NET Application to Display Random Advertisements using AD Rotator Control Code:

#Webform1.aspx

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

<!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: 275px">
<h1>
<asp:Label ID="Label1" runat="server"
Text="AdRotator Control Demo"></asp:Label>
</h1>
<br /><br /><br />
<asp:AdRotator ID="AdRotator1"
runat="server" AdvertisementFile "~/XMLFile1.xml"
OnAdCreated="AdRotator1_AdCreated"
Height="720px" Width="1280px" />
</div>
</form>
</body>
</html>
```



#XMLFile1.xml

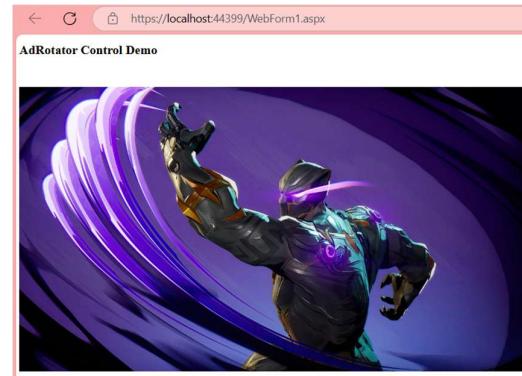
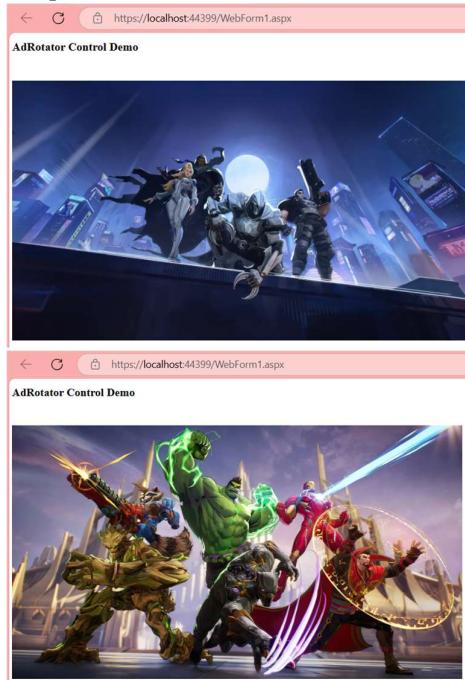
```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
```

```

<Ad>
<ImageUrl>Images/1.jpeg</ImageUrl>
<NavigateUrl>http://www.google.com</NavigateUrl>
<AlternateText>Google
Page</AlternateText>
<Impression>10</Impression>
<Keyword>google</Keyword>
</Ad>
<Ad>
<ImageUrl>Images/2.jpeg</ImageUrl>
<NavigateUrl>http://www.google.com</NavigateUrl>
<AlternateText>Google
Page</AlternateText>
<Impression>10</Impression>
<Keyword>google</Keyword>
</Ad>
<Ad>
<ImageUrl>Images/3.jpeg</ImageUrl>
<NavigateUrl>http://www.google.com</NavigateUrl>
<AlternateText>Google
Page</AlternateText>
<Impression>10</Impression>
<Keyword>google</Keyword>
</Ad>
</Advertisements>

```

Output:



Practical: 2.3

Aim: Create a web page with an interactive calendar control to select a date and display it in a label.

Display Current Month's Calendar.

Code:

#Webform1.aspx

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

```
<!DOCTYPE html>
```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<h1>Calender Control Demo</h1>
<br />
<asp:Calendar ID="Calendar1" runat="server"
OnSelectionChanged="Calendar1_SelectionChanged">
</asp:Calendar>
<br />
<asp:Label ID="Label1" runat="server"></asp:Label>
<br />
<br />
<asp:Label ID="Label2" runat="server"></asp:Label>
<br />
</div>
</form>
</body>
</html>

```

```

WebForm1.aspx.cs      WebForm1.aspx
body
Calender Control Demo

< February 2025 >
Sun Mon Tue Wed Thu Fri Sat
26 27 28 29 30 31 1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 1
2 3 4 5 6 7 8

[Label1]
[Label2]

```

```

#Webform1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Reflection.Emit;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

```

```

namespace CalenderControlDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventEventArgs e)
        {

        }

        protected void Calendar1_SelectionChanged(object
sender, EventArgs e)
        {
            Label1.Text = "Todays Date :" +
Calendar1.TodaysDate.ToShortDateString();
            Label2.Text = "Selected Date :" +
Calendar1.SelectedDate.ToShortDateString();

        }
    }
}

```

Output:

localhost:44360/WebForm1.aspx

Calender Control Demo

January 2025						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
<u>29</u>	<u>30</u>	<u>31</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>
<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>
<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>
<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>	<u>1</u>
<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>

Todays Date :19-02-2025

Selected Date :26-01-2025

Practical: 2.4

Aim: Develop a file upload application that saves the uploaded file and displays its name and size.

Code:

```

#Webform1.aspx
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="FileUploadControl.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <center>
        <form id="form1" runat="server">
            <asp:Label ID="Label1" runat="server"
Text="FileUpload Control" Font-Bold="True" Font-
Size="X-Large"></asp:Label>
            <div>
                <br />
                <asp:FileUpload ID="FileUpload1"
runat="server" />
                <br />
                <br />
                <asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="SAVE" />

```

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



#Webform1.aspx.cs

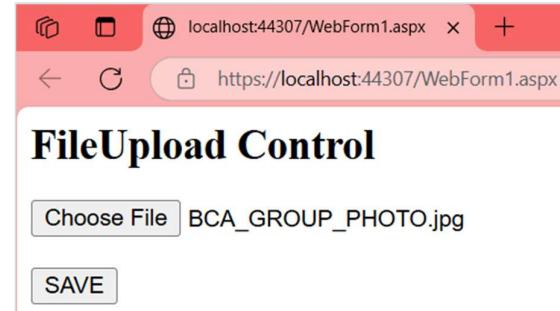
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace FileUploadControl
{
    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(FileUpload1.HasFile)
            {
                try
                {
                    string filename = FileUpload1.FileName;
                    FileUpload1.SaveAs(Server.MapPath("~/")
+ filename);
                    Label1.Text = "Upload Status: File
Uploaded Successfully!!!" + filename;
                }
                catch (Exception ex)
                {
                    Label1.Text = "Upload Status: File
Couldn't Be Uploaded!!!" + ex.Message;
                }
            }
        }
    }
}
```

```
}
```

Output:



Practical: 2.5

Aim: Create a Master Page for a website and add different content pages for Home, About Us, and Contact Us.

Code:

```
#First Create Web Form Master Page
#Site1.Master
<%@ Master Language="C#" AutoEventWireup="true"
CodeBehind="Site1.master.cs"
Inherits="WebFormMasterPage.Site1" %>

<!DOCTYPE html>

<html>
<head runat="server">
    <title>Master Web Form</title>
    <asp:ContentPlaceHolder ID="head" runat="server">
    </asp:ContentPlaceHolder>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>Master Page</h1>
        </div>
        <div class="wrapper">
            <div class="menu">
                <ul>
                    <li><a href="WebForm1.aspx">Home
Page</a></li>
                </ul>
            </div>
        </div>
    </form>
</body>
</html>
```

```

<li><a href="WebForm2.aspx">Category</a></li>
<li><a href="WebForm3.aspx">About Us</a></li>
</ul>
</div>
<div class="content">
<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
</asp:ContentPlaceHolder>
</div>
<div class="footer">
<h1>Copy Rights @ ABC.com</h1>
</div>
</div>
</form>
</body>
</html>

```



#Then Add Rest of the Web Form Pages
#webform1.aspx

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

#Second Create Web Form With Master Page

#Webform4.aspx

```
<%@ Page Title="" Language="C#"
MasterPageFile="~/Site1.Master"
AutoEventWireup="true"
CodeBehind="WebForm4.aspx.cs"
Inherits="WebFormMasterPage.WebForm4" %>
<asp:Content ID="Content1"
ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2"
ContentPlaceHolderID="ContentPlaceHolder1"
runat="server">
<h2>This is Home Page</h2>
<br /><br />
<asp:Button ID="Button1" runat="server"
Text="SUBMIT" />
<asp:Button ID="Button2" runat="server"
Text="RESET" />
<br /><br />
<asp:Label ID="Label1" runat="server"
Text=""></asp:Label>
</asp:Content>
```

<!DOCTYPE html>

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<h1>Home Page</h1>
<br />
Copy Rights @ ABC.com
</div>
</form>
</body>
</html>
```

#webform2.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm2.aspx.cs"
Inherits="WebFormMasterPage.WebForm2" %>
```

<!DOCTYPE html>

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body>
<form id="form1" runat="server">
<div>
<h1>Category</h1>
```

```
<br />
Copy Rights @ ABC.com
</div>
</form>
</body>
</html>

#webform3.aspx
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm3.aspx.cs"
Inherits="WebFormMasterPage.WebForm3" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <h1>About Us</h1>
            <br />
            Copy Rights @ ABC.com
        </div>
    </form>
</body>
</html>
```

Output:

Master Page

- [Home Page](#)
- [Category](#)
- [About Us](#)

This is Home Page

Copy Rights @ ABC.com



3: Database Programming in ASP.NET

Practical: 3.1

Aim: Implement a form to insert, update, delete, and display student records using connected architecture.

Code:

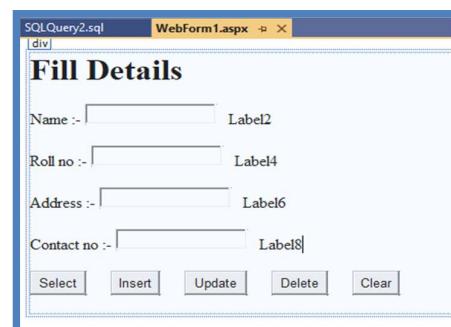
#Webform1.cs

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="ConnectionOrientedArchitectureDemo.WebF
orm1" %>
```

```
<!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: 315px">
            <asp:Label ID="Label9" runat="server" Font-
Bold="True" Font-Size="XX-Large" Text="Fill
Details"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label1" runat="server"
Text="Name :-"></asp:Label>
            &nbsp;<asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
            &nbsp;&nbsp;
            <asp:Label ID="Label2" runat="server"
Text="Label2"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server"
Text="Roll no :-"></asp:Label>
            &nbsp;<asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox>
            &nbsp;&nbsp;
            <asp:Label ID="Label4" runat="server"
Text="Label4"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label5" runat="server"
Text="Address :-"></asp:Label>
```

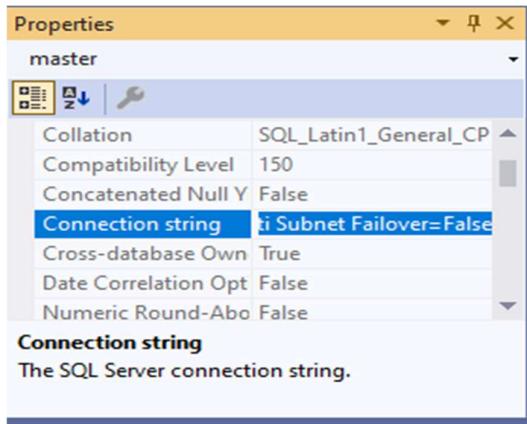
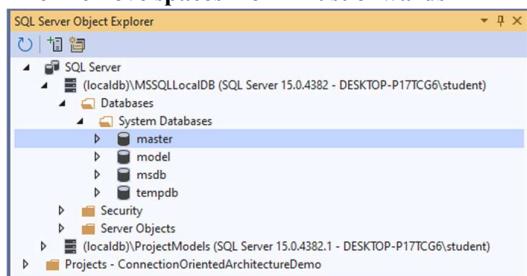
```
&nbsp;<asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox>
&nbsp;&nbsp;
<asp:Label ID="Label6" runat="server"
Text="Label6"></asp:Label>
<br />
<br />
<asp:Label ID="Label7" runat="server"
Text="Contact no :-"></asp:Label>
&nbsp;<asp:TextBox ID="TextBox4"
runat="server"></asp:TextBox>
&nbsp;&nbsp;
<asp:Label ID="Label8" runat="server"
Text="Label8"></asp:Label>
<br />
<br />
<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="Select" />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<asp:Button ID="Button2" runat="server"
OnClick="Button2_Click" Text="Insert" />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<asp:Button ID="Button3" runat="server"
Text="Update" OnClick="Button3_Click" />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<asp:Button ID="Button4" runat="server"
Text="Delete" OnClick="Button4_Click" />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<asp:Button ID="Button5" runat="server"
Text="Clear" OnClick="Button5_Click" style="height:
26px" />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
</div>
</form>
</body>
</html>
```



```
#webform1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
//Add SQL Namespace
using System.Data.SqlClient;
namespace ConnectionOrientedArchitectureDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        //Before Page Load Method Object of Sql
        Connection class
        SqlConnection con = new SqlConnection();
        SqlDataReader dr;
        SqlCommand cmd;

        protected void Page_Load(object sender,
        EventArgs e)
        {
            //Remove Space From Trust Onwards in
            ConnectionString
        }
    }
}
```

Tools>sql explorer>local
DB>DATABASES>SYSTEM
DB>MASTER>Properties>Connecting String>Copy
Then remove spaces from Trust onwards



```
Data Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;Trust Server
Certificate=False;Application
Intent=ReadWrite;Multi Subnet Failover=False
```

```
con.ConnectionString = "Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False;
ApplicationIntent=ReadWrite;MultiSubnetFailover=False";
con.Open();
Response.Write("Connection Established
Successfully !!!");
}

protected void Button2_Click(object sender,
EventArgs e)
{
    string nm, roll, ad, phn;
    nm = TextBox1.Text;
    roll = TextBox2.Text;
    ad = TextBox3.Text;
    phn = TextBox4.Text;
    //Insert Query
    string qry = "insert into student (sname, sroll,
sadd, scont) values (" + nm + "','" + roll + "','" + ad +
"','" + phn + ")";
    cmd = new SqlCommand(qry, con);
    //Return Integer Value
    cmd.ExecuteNonQuery();
    Response.Write("\n Record Inserted
Successfully !!!");
}

protected void Button1_Click(object sender,
EventArgs e)
{
    string roll;
    roll = TextBox2.Text;
    cmd = new SqlCommand("select * from student
where sroll = '" + roll + "'", con);
    //Return DataReader Obj
    dr = cmd.ExecuteReader();
    if(dr.Read())
    {
        Label2.Text = "Name: " + dr[0];
        Label4.Text = "Roll no: " + dr[1];
        Label6.Text = "Address: " + dr[2];
        Label8.Text = "Contact: " + dr[3];
    }
    dr.Close();
```

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```

        Response.Write("\n Record Selected
Successfully !!!");
    }
    protected void Button3_Click(object sender,
EventArgs e)
{
    string nm,roll,ad,phn;
    nm = TextBox1.Text;
    roll = TextBox2.Text;
    ad = TextBox3.Text;
    phn = TextBox4.Text;

    string qry = "update student set sname=" + nm +
",sadd=" + ad + ",scont=" + phn + " where sroll=" +
roll;
    cmd = new SqlCommand(qry, con);
    //Return Integer Value
    cmd.ExecuteNonQuery();
    Response.Write("\n Record Updated
Successfully !!!");
}
protected void Button4_Click(object sender,
EventArgs e)
{
    string roll;
    roll = TextBox2.Text;
    string qry = "delete from student where sroll=" +
roll;
    cmd = new SqlCommand(qry, con);
    cmd.ExecuteNonQuery();
    Response.Write("\n Record Deleted
Successfully !!!");
}
protected void Button5_Click(object sender,
EventArgs e)
{
    TextBox1.Text = " ";
    TextBox2.Text = " ";
    TextBox3.Text = " ";
    TextBox4.Text = " ";
    Response.Write("\n Record Cleared
Successfully !!!");
}
}

```

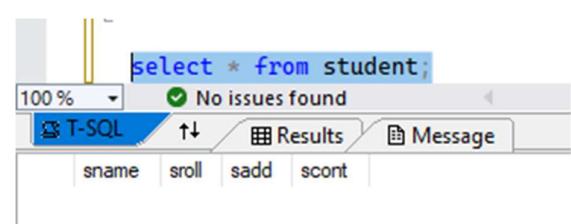
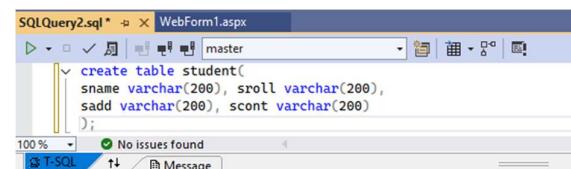
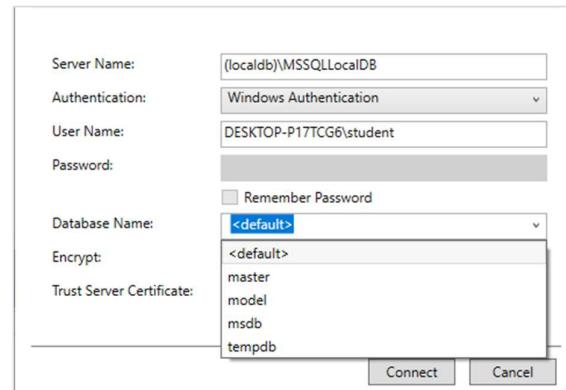
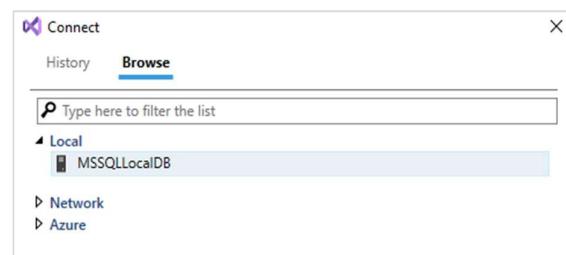
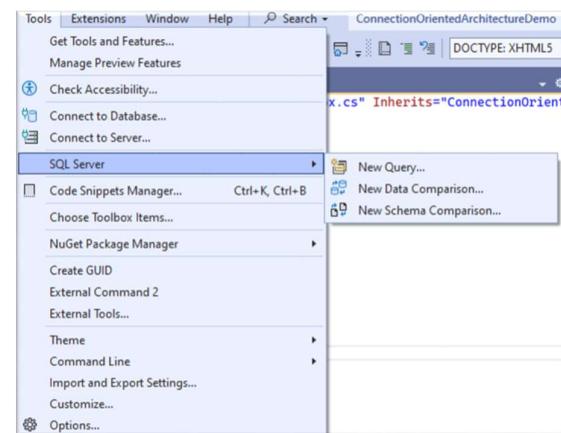
#SQL QUERY

```

create table student(
sname varchar(200), sroll varchar(200),
sadd varchar(200), scont varchar(200)
);

```

select * from student;



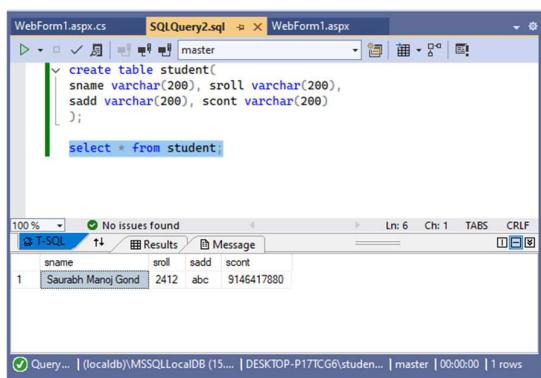
Output:

#INSERT

Connection Established Successfully !!! Record Inserted Successfully !!!

Fill Details

Name :-	<input type="text" value="Saurabh Manoj Gond"/>	Label2
Roll no :-	<input type="text" value="2412"/>	Label4
Address :-	<input type="text" value="abc"/>	Label6
Contact no :-	<input type="text" value="9146417880"/>	Label8



#SELECT

Connection Established Successfully !!! Record Selected Successfully !!!

Fill Details

Name :-	<input type="text" value="Saurabh Manoj Gond"/>	Name: Saurabh Manoj Gond
Roll no :-	<input type="text" value="2412"/>	Roll no: 2412
Address :-	<input type="text" value="abc"/>	Address: abc
Contact no :-	<input type="text" value="9146417880"/>	Contact: 9146417880

#UPDATE

Address Updated

Connection Established Successfully !!! Record Selected Successfully !!!

Fill Details

Name :-	<input type="text" value="Saurabh Manoj Gond"/>	Name: Saurabh Manoj Gond
Roll no :-	<input type="text" value="2412"/>	Roll no: 2412
Address :-	<input type="text" value="Titwala"/>	Address: abc
Contact no :-	<input type="text" value="9146417880"/>	Contact: 9146417880

Connection Established Successfully !!! Record Updated Successfully !!!

Fill Details

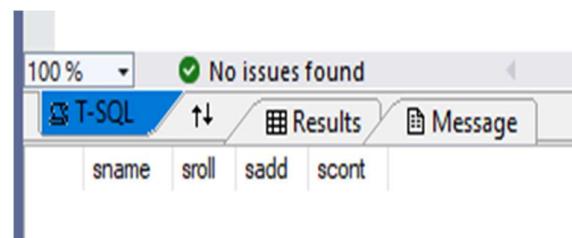
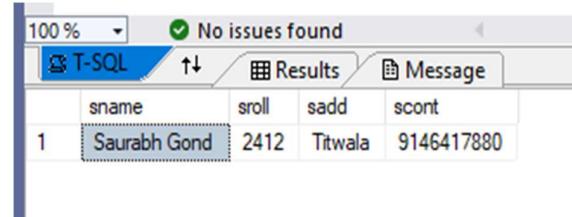
Name :-	<input type="text" value="Saurabh Manoj Gond"/>	Name: Saurabh Manoj Gond
Roll no :-	<input type="text" value="2412"/>	Roll no: 2412
Address :-	<input type="text" value="Titwala"/>	Address: Titwala
Contact no :-	<input type="text" value="9146417880"/>	Contact: 9146417880

#DELETE

Connection Established Successfully !!! Record Selected Successfully !!!

Fill Details

Name :-	<input type="text"/>	Label2
Roll no :-	<input type="text" value="2412"/>	Label4
Address :-	<input type="text"/>	Label6
Contact no :-	<input type="text"/>	Label8



#Clear

Connection Established Successfully !!! Record Cleared Successfully !!!

Fill Details

Name :-	<input type="text"/>	Label2
Roll no :-	<input type="text"/>	Label4
Address :-	<input type="text"/>	Label6
Contact no :-	<input type="text"/>	Label8

Practical: 3.2

Aim: Design a web application using disconnected architecture (Data Set and Data Adapter) for managing data.

Code:

```
#Webform1.cs
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="DisconnectedArchitectureDemo.WebForm1"
%>

<!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: 538px">
            <asp:Label ID="Label9" runat="server" Font-Bold="True" Font-Size="XX-Large" Text="Fill Details"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label1" runat="server" Text="Employee No :-"></asp:Label>
            &nbsp;<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server" Text="Employee Name :-"></asp:Label>
            &nbsp;<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label5" runat="server" Text="Employee Address :-"></asp:Label>
            &nbsp;<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label7" runat="server" Text="Contact no :-"></asp:Label>
            &nbsp;<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
            <br />
            <br />
```

```
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Select" />
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
    <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Insert" />
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
    <asp:Button ID="Button3" runat="server" OnClick="Button3_Click" style="height: 26px" Text="Update" />
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
    <asp:Button ID="Button4" runat="server" OnClick="Button4_Click" Text="Delete" />
    &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
    <asp:Button ID="Button5" runat="server" OnClick="Button5_Click" style="height: 26px" Text="Clear" />
    <br />
    <br />
    <asp:GridView ID="GridView1" runat="server">
        </asp:GridView>
    </div>
</form>
</body>
</html>
```



```
#WebForm1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
```

```

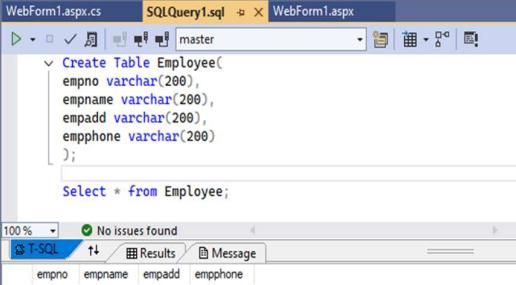
using System.Data.SqlClient;
using System.Data;

namespace DisconnectedArchitectureDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        SqlConnection con = new SqlConnection();
        SqlDataAdapter da;
        SqlCommand cmd;
        DataTable dt;
        int i;
        protected void Page_Load(object sender,
EventArgs e)
        {
            con.ConnectionString = "Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=Fals
e;ApplicationIntent=ReadWrite;MultiSubnetFailover=F
alse";
            con.Open();
            Response.Write("Connection Established
Successfully !!!");
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            //Data adapter
            SqlDataAdapter sde = new
SqlDataAdapter("Select * from Employee",con);
            DataSet ds = new DataSet();
            sde.Fill(ds);
            GridView1.DataSource = ds;
            GridView1.DataBind();
        }
        protected void Button2_Click(object sender,
EventArgs e)
        {
            string enm, ead, ephn;
            int eno;
            eno = Convert.ToInt16(textBox1.Text);
            enm = TextBox2.Text;
            ead = TextBox3.Text;
            ephn = TextBox4.Text;
            string qry = "insert into
Employee(empno,empname,empadd,empphone) values
(" + eno + "," + enm + "," + ead + "," + ephn + ")";
            cmd = new SqlCommand(qry, con);
            cmd.ExecuteNonQuery();
            Response.Write("\n Record Inserted !!");
        }
        protected void Button3_Click(object sender,
EventArgs e)
        {
            string enm, ead, ephn;
            int eno;
            eno = Convert.ToInt16(textBox1.Text);
            enm = TextBox2.Text;
            ead = TextBox3.Text;
            ephn = TextBox4.Text;
            string qry = "update Employee set empname="
+ enm + ",empadd=" + ead + ",empphone=" + ephn +
" where empno=" + eno;
            cmd = new SqlCommand(qry, con);
            cmd.ExecuteNonQuery();
            Response.Write("\n Record Updated !!");
        }
        protected void Button4_Click(object sender,
EventArgs e)
        {
            int eno;
            eno = Convert.ToInt16(textBox1.Text);
            string qry = "delete from Employee where
empno=" + eno;
            cmd = new SqlCommand(qry, con);
            cmd.ExecuteNonQuery();
            Response.Write("\n Record Deleted
Successfully !!!");
        }
        protected void Button5_Click(object sender,
EventArgs e)
        {
            textBox1.Text = " ";
            textBox2.Text = " ";
            textBox3.Text = " ";
            textBox4.Text = " ";
            Response.Write("\n Record Cleared
Successfully !!!");
        }
    }
}

#SQL QUERY
Create Table Employee(
empno varchar(200),
empname varchar(200),
empadd varchar(200),
empphone varchar(200)
);

```

Select * from Employee;



```
WebForm1.aspx.cs SQLQuery1.sql x WebForm1.aspx
Create Table Employee(
    empno varchar(200),
    empname varchar(200),
    empadd varchar(200),
    empphone varchar(200)
);
Select * from Employee;

No issues found
T-SQL Results Message
empno empname empadd empphone
```

Output:

#Insert

Connection Established Successfully !!! Record Inserted !!

Fill Details

Employee No :-	<input type="text" value="1"/>
Employee Name :-	<input type="text" value="Saurabh Gond"/>
Employee Address :-	<input type="text" value="Titwala"/>
Contact no :-	<input type="text" value="9146417880"/>
<input type="button" value="Select"/> <input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

Connection Established Successfully !!! Record Inserted !!

Fill Details

Employee No :-	<input type="text" value="2"/>
Employee Name :-	<input type="text" value="Devendra Patil"/>
Employee Address :-	<input type="text" value="Dombivali"/>
Contact no :-	<input type="text" value="9898989898"/>
<input type="button" value="Select"/> <input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

#Select

Connection Established Successfully !!!

Fill Details

Employee No :-	<input type="text"/>
Employee Name :-	<input type="text"/>
Employee Address :-	<input type="text"/>
Contact no :-	<input type="text"/>
<input type="button" value="Select"/> <input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

empno	empname	empadd	empphone
1	Saurabh Gond	Titwala	9146417880
2	Devendra Patil	Dombivali	989898989898

#Update

Connection Established Successfully !!! Record Updated !!

Fill Details

Employee No :-	<input type="text" value="1"/>
Employee Name :-	<input type="text" value="Saurabh Manoj Gond"/>
Employee Address :-	<input type="text"/>
Contact no :-	<input type="text"/>
<input type="button" value="Select"/> <input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

empno	empname	empadd	empphone
1	Saurabh Gond	Titwala	9146417880
2	Devendra Patil	Dombivali	989898989898

#Delete

Connection Established Successfully !!! Record Deleted Successfully !!!

Fill Details

Employee No :-	<input type="text" value="2"/>
Employee Name :-	<input type="text"/>
Employee Address :-	<input type="text"/>
Contact no :-	<input type="text"/>
<input type="button" value="Select"/> <input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

empno	empname	empadd	empphone
1	Saurabh Manoj Gond	Titwala	9146417880
2	Devendra Patil	Dombivali	989898989898

empno	empname	empadd	empphone
1	Saurabh Manoj Gond	Titwala	9146417880

#Clear

Connection Established Successfully !!! Record Cleared Successfully !!!

Fill Details

Employee No :-	<input type="text"/>
Employee Name :-	<input type="text"/>
Employee Address :-	<input type="text"/>
Contact no :-	<input type="text"/>
<input type="button" value="Select"/> <input type="button" value="Insert"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>	

Practical: 3.3

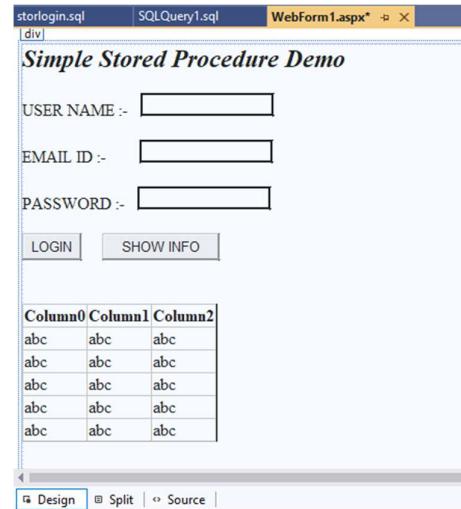
Aim: Develop a stored procedure to fetch employee details and display them using a Grid View control.

Code:

#Webform1.cs

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

```
<!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: 411px">
            <asp:Label ID="Label1" runat="server" Font-Bold="True" Font-Italic="True" Font-Size="X-Large" Text="Simple Stored Procedure Demo"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="USER NAME :-"></asp:Label>
            &nbsp;&nbsp;
            <asp:TextBox ID="TextBox1" runat="server" BorderColor="Black"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server" Text="EMAIL ID :-"></asp:Label>
            &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
            <asp:TextBox ID="TextBox2" runat="server" BorderColor="Black"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label4" runat="server" Text="PASSWORD :-"></asp:Label>
            &nbsp;&nbsp;
            <asp:TextBox ID="TextBox3" runat="server" BorderColor="Black"></asp:TextBox>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="LOGIN" />
            &nbsp;&nbsp;&nbsp;
            <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="SHOW INFO" />
            <br />
            <br />
            <asp:GridView ID="GridView1" runat="server">
                <asp:GridView>
            </div>
        </form>
    </body>
</html>
```



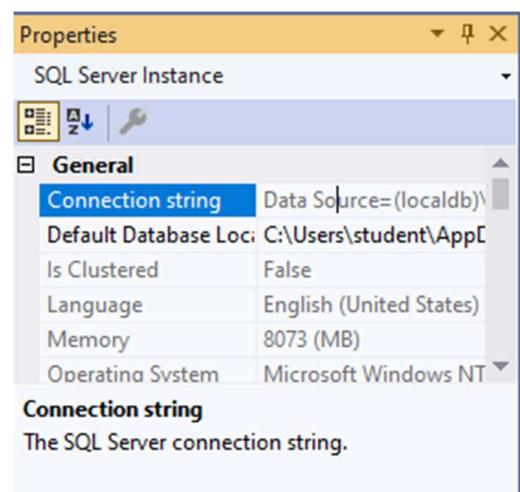
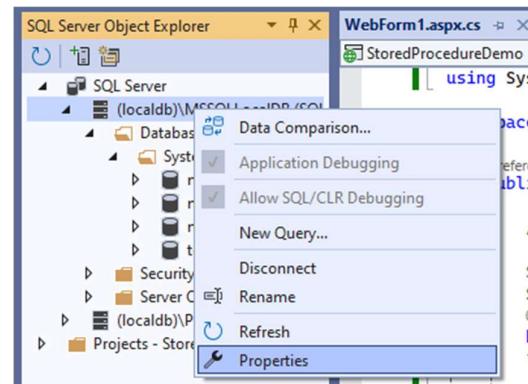
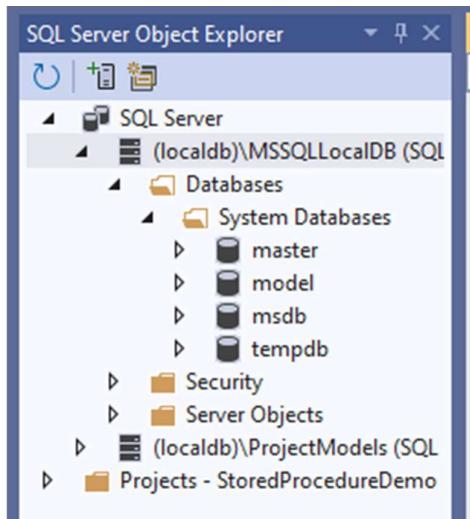
#Webform1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
//Sql Namespace
using System.Data.SqlClient;
using System.Data;
namespace StoredProcedureDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        //Before Page Load Method Object of Sql Connection class
        SqlConnection con = new SqlConnection();
        SqlCommand cmd;
        protected void Page_Load(object sender, EventArgs e)
        {
            //Remove Space From Trust Onwards in ConnectionString
            con.ConnectionString = "Data Source=(localdb)\MSSQLLocalDB;Initial Catalog=master;Integrated Security=True;Connect Timeout=30;Encrypt=False;TrustServerCertificate=False;ApplicationIntent=ReadWrite;MultiSubnetFailover=False";
            con.Open();
            Response.Write("Connection Established Successfully !!!");
        }
    }
}
```

```

protected void Button1_Click(object sender,
EventArgs e)
{
    SqlCommand cmd = new
SqlCommand("storlogin", con);
    cmd.CommandType =
System.Data.CommandType.StoredProcedure;
    SqlParameter p1 = new
SqlParameter("username", TextBox1.Text);
    SqlParameter p2 = new SqlParameter("email",
TextBox2.Text);
    SqlParameter p3 = new
SqlParameter("password", TextBox3.Text);
    cmd.Parameters.Add(p1);
    cmd.Parameters.Add(p2);
    cmd.Parameters.Add(p3);
    cmd.ExecuteReader();
    Response.Write("Login Successfully...");
    con.Close();
}
protected void Button2_Click(object sender,
EventArgs e)
{
    //Data adapter
    SqlDataAdapter sde = new
SqlDataAdapter("Select * from registration", con);
    DataSet ds = new DataSet();
    sde.Fill(ds);
    GridView1.DataSource = ds;
    GridView1.DataBind();
    Response.Write("Displaying Info...");
}
}
}

```



Output:

Connection Established Successfully !!! Login Successfully...

Simple Stored Procedure Demo

USER NAME :-

EMAIL ID :-

PASSWORD :-

The screenshot shows the SQL Server Management Studio interface. The top ribbon tabs are 'WebForm1.aspx.cs', 'storlogin.sql', 'SQLQuery1.sql' (which is selected), and 'WebForm1.aspx'. Below the tabs, the 'master' database is selected. In the main pane, a 'CREATE TABLE' statement is displayed:

```
CREATE TABLE registration(
    user_Name varchar(100) NULL,
    email varchar(100) NULL,
    password varchar(100) NULL,
);
```

Below the table definition, a 'select * from registration;' query is run, and its results are shown in the 'Results' tab:

	T-SQL	Results	Message						
1	select * from registration;	<table border="1"><thead><tr><th>user_Name</th><th>email</th><th>password</th></tr></thead><tbody><tr><td>Saurabh Gond</td><td>sgond2099@gmail.com</td><td>Titwala</td></tr></tbody></table>	user_Name	email	password	Saurabh Gond	sgond2099@gmail.com	Titwala	
user_Name	email	password							
Saurabh Gond	sgond2099@gmail.com	Titwala							

Connection Established Successfully !!!Displaying Info...

Simple Stored Procedure Demo

USER NAME :-

EMAIL ID :-

PASSWORD :-

LOGIN **SHOW INFO**

user_Name	email	password
Saurabh Gond	sgond2099@gmail.com	Titwala

Practical: 3.4

Aim: Parameterized Stored Procedure.

Code:

#WebForm1.aspx

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

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
```

```
&nbsp;&nbsp;&nbsp;&nbsp;
<asp:Button ID="Button5" runat="server"
Text="CLEAR" />
<br />
<br />
<asp:GridView ID="GridView1"
runat="server">
</asp:GridView>
<br />
<br />
</div>
</form>
</body>
</html>
```

USER REGISTRATION FORM:-

USER ID:	<input type="text"/>																		
USER NAME:	<input type="text"/>																		
USER AGE:	<input type="text"/>																		
COUNTRY NAME:	<input type="text"/>																		
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>																			
<table border="1"> <thead> <tr> <th>Column0</th> <th>Column1</th> <th>Column2</th> </tr> </thead> <tbody> <tr> <td>abc</td> <td>abc</td> <td>abc</td> </tr> </tbody> </table>		Column0	Column1	Column2	abc														
Column0	Column1	Column2																	
abc	abc	abc																	
abc	abc	abc																	
abc	abc	abc																	
abc	abc	abc																	
abc	abc	abc																	

#WebForm1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Data;
namespace ParameterizedStoredProcedure
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        //Before Page Load Method Object of Sql
        Connection class
        SqlConnection con = new SqlConnection();
        SqlCommand cmd;
        SqlDataAdapter da;

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

```
{
    //Remove Space From Trust Onwards in
    ConnectionString
    con.ConnectionString = "Data
    Source=(localdb)\MSSQLLocalDB;Initial
    Catalog=master;Integrated Security=True;Connect
    Timeout=30;Encrypt=False;TrustServerCertificate=Fals
    e;ApplicationIntent=ReadWrite;MultiSubnetFailover=F
    alse";
    con.Open();
    Response.Write("Connection Established
    Successfully !!!");
}
protected void Button2_Click(object sender,
EventArgs e)
{
    SqlCommand cmd = new
    SqlCommand("SpMyProcedure", con);
    cmd.CommandType =
    System.Data.CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@Action",
    "Insert");
    cmd.Parameters.AddWithValue("@Name",
    TextBox2.Text);
    cmd.Parameters.AddWithValue("@Age",
    TextBox3.Text);
    cmd.Parameters.AddWithValue("@Country",
    TextBox4.Text);
    cmd.ExecuteNonQuery();
    Response.Write("*Record Inserted
    Successfully*");
}
protected void Button1_Click(object sender,
EventArgs e)
{
    //Data adapter
    SqlDataAdapter sde = new
    SqlDataAdapter("Select * from UserRegistartion", con);
    DataSet ds = new DataSet();
    sde.Fill(ds);
    GridView1.DataSource = ds;
    GridView1.DataBind();
    Response.Write("Displaying Info... ");
}
protected void Button3_Click(object sender,
EventArgs e)
{
    SqlCommand cmd = new
    SqlCommand("SpMyProcedure", con);
    cmd.CommandType =
    System.Data.CommandType.StoredProcedure;
```

```

        cmd.Parameters.AddWithValue("@Action",
"Update");
        cmd.Parameters.AddWithValue("@Id",
TextBox1.Text);
        cmd.Parameters.AddWithValue("@Name",
TextBox2.Text);
        cmd.Parameters.AddWithValue("@Age",
TextBox3.Text);
        cmd.Parameters.AddWithValue("@Country",
TextBox4.Text);
        cmd.ExecuteNonQuery();
        Response.Write("Record Updated
Successfully*");
    }
    protected void Button4_Click(object sender,
EventArgs e)
{
    SqlCommand cmd = new
SqlCommand("SpMyProcedure", con);
    cmd.CommandType =
System.Data.CommandType.StoredProcedure;
    cmd.Parameters.AddWithValue("@Action",
"Delete");
    cmd.Parameters.AddWithValue("@Id",
TextBox1.Text);
    cmd.ExecuteNonQuery();
    Response.Write("Record Deleted
Successfully*");
}
protected void Button5_Click(object sender,
EventArgs e)
{
    // Clear the textboxes
    TextBox1.Text = " ";
    TextBox2.Text = " ";
    TextBox3.Text = " ";
    TextBox4.Text = " ";
    Response.Write("\n Record Cleared
Successfully !!!");
}
}

#SQLQuery1
Create table UserRegistartion (
C_Id int IDENTITY(1,1) NOT NULL,
C_Name varchar(100) NULL,
C_Age varchar(100) NULL,
C_Country varchar(100) NULL
);
select * from UserRegistartion;

```

#SpMyProcedure

```

Create procedure SpMyProcedure (
@Id int = null,
@Name varchar(100) = null,
@Age varchar(100) = null,
@Country varchar(100) = null,
@Action varchar(100) = null )

```

```

As begin if @Action = 'Insert' Insert into
UserRegistartion(C_Name,C_Age,C_Country)
values(@Name,@Age,@Country)

```

```

if @Action = 'Update' Update UserRegistartion set
C_Name = @Name, C_Age = @Age, C_Country =
@Country where C_Id = @Id

```

```

if @Action = 'Delete' Delete from UserRegistartion
where C_Id = @Id end

```

Output:

#Save

Connection Established Successfully !!!*Record Inserted Successfully*

USER REGISTARTION FORM:-

USER ID:	<input type="text" value="1"/>
USER NAME:	<input type="text" value="Saurabh Manoj Gond"/>
USER AGE:	<input type="text" value="22"/>
COUNTRY NAME:	<input type="text" value="India"/>
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>	

C_Id	C_Name	C_Age	C_Country
1	Saurabh Manoj Gond	22	India

#Select

Connection Established Successfully !!!Displaying Info...
USER REGISTARTION FORM:-

USER ID:	<input type="text"/>
USER NAME:	<input type="text"/>
USER AGE:	<input type="text"/>
COUNTRY NAME:	<input type="text"/>
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>	

C_Id	C_Name	C_Age	C_Country
1	Saurabh Manoj Gond	22	India
2	Devendra	23	India
3	Ganesh	22	India
4	Sachine	24	India

#Update

Connection Established Successfully !!! *Record Updated Successfully*

USER REGISTRATION FORM:-

USER ID:	<input type="text" value="2"/>
USER NAME:	<input type="text" value="Devendra Patil"/>
USER AGE:	<input type="text" value="23"/>
COUNTRY NAME:	<input type="text" value="India"/>
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>	

C_Id	C_Name	C_Age	C_Country
1	Saurabh Manoj Gond	22	India
2	Devendra Patil	23	India
3	Ganesh	22	India
4	Sachine	24	India

#Delete

Connection Established Successfully !!! *Record Deleted Successfully*

USER REGISTRATION FORM:-

USER ID:	<input type="text" value="4"/>
USER NAME:	<input type="text"/>
USER AGE:	<input type="text"/>
COUNTRY NAME:	<input type="text"/>
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>	

C_Id	C_Name	C_Age	C_Country
1	Saurabh Manoj Gond	22	India
2	Devendra Patil	23	India
3	Ganesh	22	India

#Clear

Connection Established Successfully !!!

USER REGISTRATION FORM:-

USER ID:	<input type="text" value="10"/>
USER NAME:	<input type="text" value="Vinay"/>
USER AGE:	<input type="text" value="25"/>
COUNTRY NAME:	<input type="text" value="India"/>
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>	

Connection Established Successfully !!! Record Cleared Successfully !!!

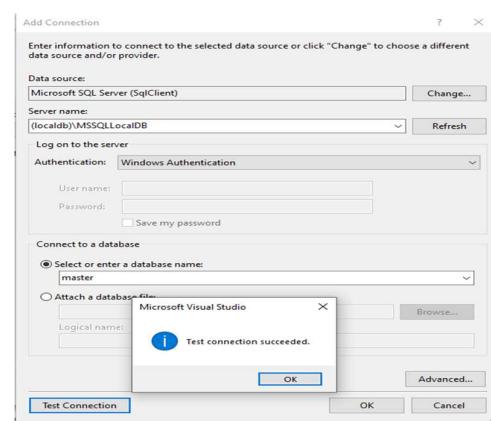
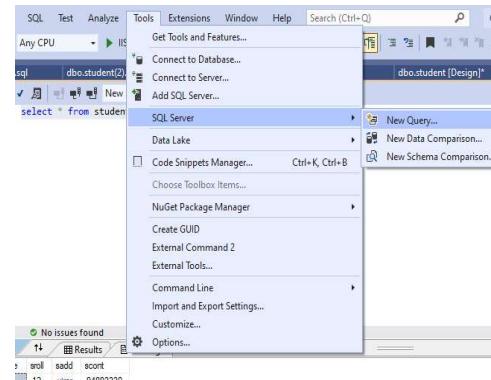
USER REGISTRATION FORM:-

USER ID:	<input type="text"/>
USER NAME:	<input type="text"/>
USER AGE:	<input type="text"/>
COUNTRY NAME:	<input type="text"/>
<input type="button" value="SELECT"/> <input type="button" value="SAVE"/> <input type="button" value="UPDATE"/> <input type="button" value="DELETE"/> <input type="button" value="CLEAR"/>	

Practical: 3.5

Aim: Design a Web Application to demonstrate Data bound control_GridView.

Code:



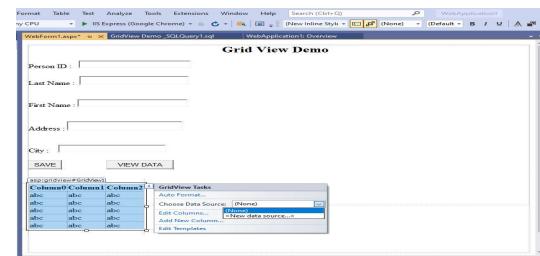
CREATE TABLE Persons

```
(  
PersonID int,  
LastName varchar(255),  
FirstName varchar(255),  
Address varchar(255),  
City varchar(255)  
);  
Select * from Persons;
```

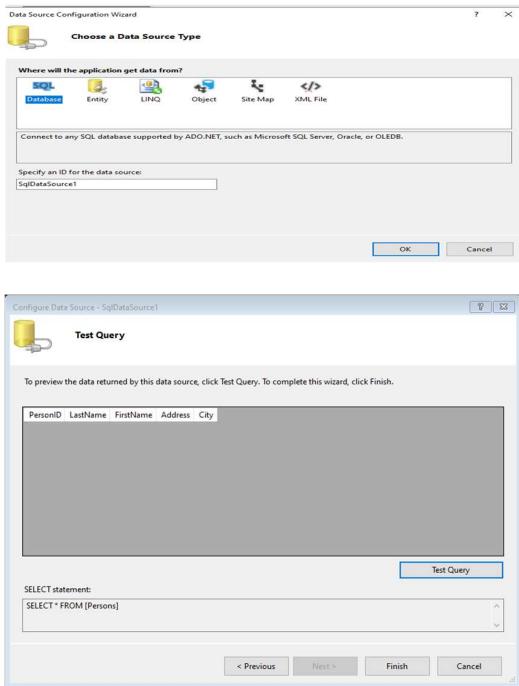
Code:

WebForm1.aspx

Design:



MCAL25 Advanced Web Technologies (AWT) Lab



Source:

```
<%@ Page Language="C#" AutoEventWireup="true"  
CodeBehind="WebForm1.aspx.cs"  
Inherits="GridViewDemo1.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" Font-Bold="True" Font-Size="Larger" Text="Grid View Demo"></asp:Label>
<br />
<br />
<asp:Label ID="Label2" runat="server" Text="Person ID :"></asp:Label>
&nbsp;&nbsp;
```

```

<asp:BoundField DataField="Address"
HeaderText="Address" SortExpression="Address" />
<asp:BoundField DataField="City"
HeaderText="City" SortExpression="City" />
</Columns>
</asp:GridView>
<asp:SqlDataSource ID="SqlDataSource1"
runat="server"
ConnectionString="<%$ ConnectionStrings:masterConnection %>" SelectCommand="SELECT * FROM [Persons1]"></asp:SqlDataSource>
<br />
<br />
<br />
<br />
</div>
</form>
</body>
</html>

```

WebForm1.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

namespace GridViewDemo1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        SqlConnection con = new SqlConnection();
        SqlDataAdapter da;
        SqlCommand cmd;
        int i;

        protected void Page_Load(object sender,
EventArgs e)
        {
            con.ConnectionString = "Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=Fals
e;ApplicationIntent=ReadWrite;MultiSubnetFailover=F
alse";
            con.Open();
            Response.Write("Success");
        }
    }
}

```

```

protected void Button1_Click(object sender,
EventArgs e)
{
    string pfnm, plnm, padd, pcity;
    int pid;
}

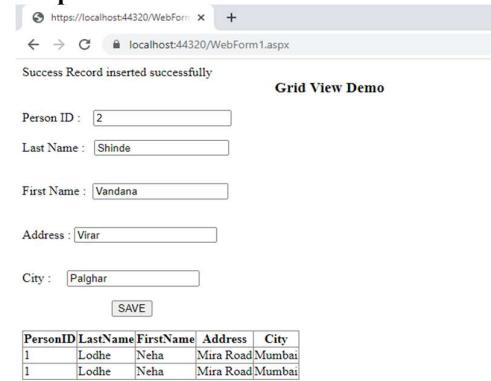
```

```

pid = Convert.ToInt16(TextBox1.Text);
plnm = TextBox2.Text;
pfnm = TextBox3.Text;
padd = TextBox4.Text;
pcity = TextBox5.Text;
string qry = "insert into Persons(PersonID,
LastName, FirstName, Address,City) values (" + pid +
"," + plnm + "," + pfnm + "," + padd + "," + pcity +
")";
cmd = new SqlCommand(qry, con);
cmd.ExecuteNonQuery();
Response.Write("\n Record inserted
successfully");
}
}
}
}
}

```

Output:



Practical: 3.6

Aim: Design a Web Application to demonstrate Data bound control_DataList.

Code:

#webform1.aspx

```

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

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="height: 967px">
    <form id="form1" runat="server">

```

MCAL25 Advanced Web Technologies (AWT) Lab

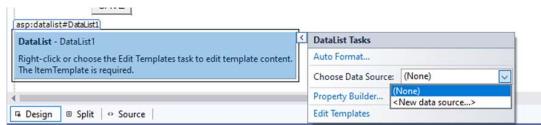
#Design View

Data List Demo :-

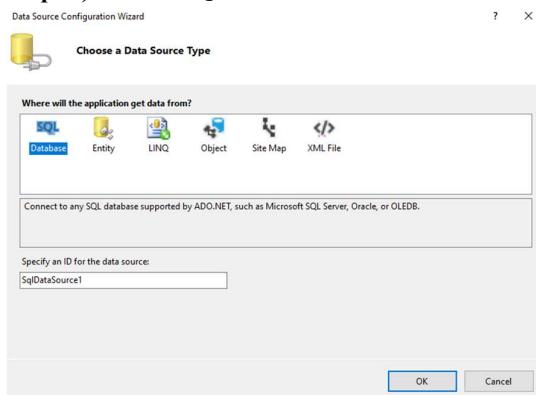
Product id:	<input type="text"/>
Product Category:	<input type="text"/>
Product Name:	<input type="text"/>
Product Description:	<input type="text"/>
Unit Price:	<input type="text"/>

MCAL25 Advanced Web Technologies (AWT) Lab

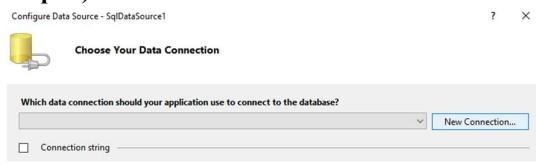
Step: 1) Click on the Arrow on DataList then Click on Choose Data Sources and <New Data Source>.



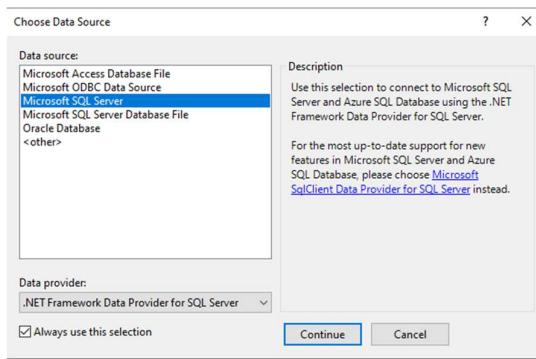
Step: 2) Choose SQL Database and Click Ok.



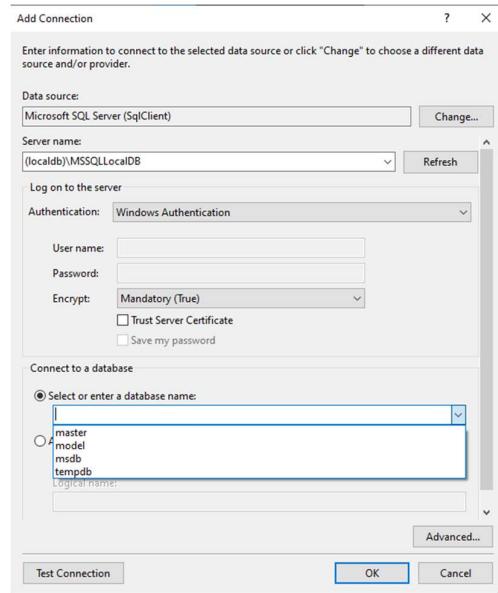
Step: 3) Click on New Connection.



Step: 4) Then Select Microsoft SQL Server and click continue.



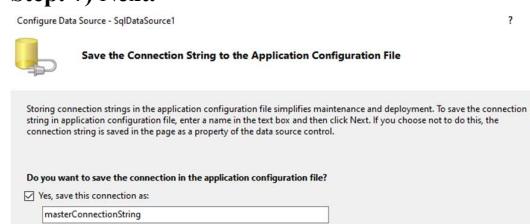
Step: 5) In Server Name Add MSSQLLocalDB name and then select database name as master, test Connection and click ok.



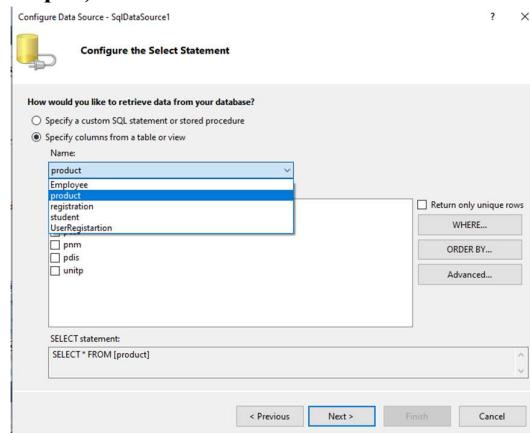
Step:6) Connection Name Will be Displayed and Click Next.



Step: 7) Next.



Step: 8) Select Your DataBase Name and click next.



Step: 9) Click Test Query and finish.

To preview the data returned by this data source, click Test Query. To complete this wizard, click Finish.

pid	pcat	pnm	pdis	unitp
1	Beauty	Fair & Lovely	Fairness Cream	157
2	Hair	Head & Shoulders	Shampoo	227
3	Edible	Maggie	Instant Noodles	149
4	Beauty	Garnear	Face Wash	199
6	Life Style	Miniature Tree	Decoration	999
5	Edible	ParleG	Biscuits	99

Test Query

SELECT statement:

```
SELECT * FROM [product]
```

< Previous Next > Finish Cancel

pid: 3
pcat: Edible
pnm: Maggie
pdis: Instant
Noodles
unitp: 149

pid: 4
pcat: Beauty
pnm: Garnear
pdis: Face
Wash
unitp: 199

pid: 6
pcat: Life
Style
pnm:
Miniature
Tree
pdis:
Decoration
unitp: 999

pid: 5
pcat: Edible
pnm: ParleG
pdis: Biscuits
unitp: 99

#SQLQuery1.sql

WebForm1.aspx SQLQuery1.sql * WebForm1.aspx

Create Table product(
pid int,
pcat varchar(255),
pnm varchar(255),
pdis varchar(255),
unitp varchar(255)
);
select * from product;

No issues found

T-SQL Results Message

pid	pcat	pnm	pdis	unitp
1	Beauty	Fair & Lovely	Fairness Cream	157
2	Hair	Head & Shoulders	Shampoo	227
3	Edible	Maggie	Instant Noodles	149
4	Beauty	Garnear	Face Wash	199
6	Life Style	Miniature Tree	Decoration	999
5	Edible	ParleG	Biscuits	99

Practical: 3.7

Aim: Design a Web Application to demonstrate Data bound control_DetailsView.

Code:

Webform1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="DataBoundControl_DetailsViewDemo.WebF
orm1" %>
```

<!DOCTYPE html>

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title></title>
</head>
<body style="height: 644px">
<form id="form1" runat="server">
<div style="height: 559px">
<asp:Label ID="Label1" runat="server" Font-
Bold="True" Font-Size="XX-Large" Text="Details
View :-"></asp:Label>
<br />
<br />
```

Output:

Connection Established Successfully !!!

Data List Demo :-

Product id:

Product Category:

Product Name:

Product Description:

Unit Price:

SAVE

pid: 1
pcat: Beauty
pnm: Fair &
Lovely
pdis: Fairness
Cream
unitp: 157

pid: 2
pcat: Hair
pnm: Head &
Shoulders
pdis:
Shampoo
unitp: 227

```

<asp:Label ID="Label2" runat="server"
Text="Medicine Name :"></asp:Label>
 &nbsp;&nbsp;&nbsp;
<asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="Label3" runat="server"
Text="Medicine Company :"></asp:Label>
 &nbsp;&nbsp;&nbsp;
<asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="Label4" runat="server"
Text="Medicine Cost :"></asp:Label>
 &nbsp;&nbsp;&nbsp;
<asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox>
<br />
<br />
<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="SAVE" />
<br />
<br />
<asp:GridView ID="GridView1" runat="server"
AutoGenerateColumns="False"
DataSourceID="SqlDataSource1">
    <Columns>
        <asp:BoundField
            DataField="medicine_name"
            HeaderText="medicine_name"
            SortExpression="medicine_name" />
        <asp:BoundField
            DataField="medicine_company"
            HeaderText="medicine_company"
            SortExpression="medicine_company" />
        <asp:BoundField
            DataField="medicine_cost"
            HeaderText="medicine_cost"
            SortExpression="medicine_cost" />
    </Columns>
</asp:GridView>
<asp:SqlDataSource ID="SqlDataSource1"
runat="server"
ConnectionString="<%$ ConnectionStrings:masterConnectionString %>">
    ProviderName="<%$ ConnectionStrings:masterConnectionString.ProviderName %>">
        SelectCommand="SELECT * FROM
[medicine]"></asp:SqlDataSource>

```

```

<br />
<asp:DetailsView ID="DetailsView1"
runat="server" AllowPaging="True"
AutoGenerateRows="False"
DataSourceID="SqlDataSource1" Height="50px"
Width="252px">
    <Fields>
        <asp:BoundField
            DataField="medicine_name"
            HeaderText="medicine_name"
            SortExpression="medicine_name" />
        <asp:BoundField
            DataField="medicine_company"
            HeaderText="medicine_company"
            SortExpression="medicine_company" />
        <asp:BoundField
            DataField="medicine_cost"
            HeaderText="medicine_cost"
            SortExpression="medicine_cost" />
    </Fields>
</asp:DetailsView>
</div>
</form>
</body>
</html>

```

Details View :-

Medicine Name :

Medicine Company :

Medicine Cost :

medicine_name	medicine_company	medicine_cost
abc	abc	0
abc	abc	1
abc	abc	2
abc	abc	3
abc	abc	4

SqlDataSource - SqlDataSource1

GridView Tasks

Auto Format...

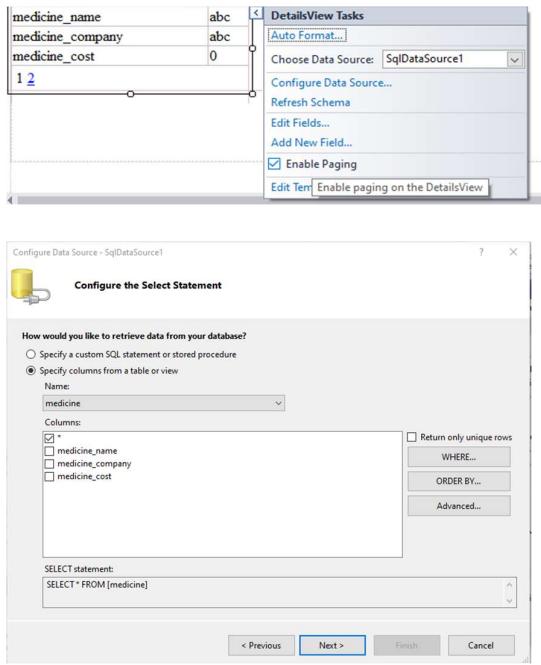
Choose Data Source:

Configure Data Sou

Refresh Schema

<New data source...>

- Click on New Data Source in Grid View
- Enter Server Name : (localdb)\MSSQLLocaldb
- Click on SqlDataSource1 in Details View



Webform1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Security.Cryptography;
namespace DataBoundControl_DetailsViewDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        //Before Page Load Method Object of Sql
        Connection class
        SqlConnection con = new SqlConnection();
        SqlCommand cmd;
        protected void Page_Load(object sender,
        EventArgs e)
        {
            //Remove Space From Trust Onwards in
            ConnectionString
            con.ConnectionString = "Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=F
alse";
            con.Open();
            Response.Write("Connection Established
Successfully !!!");
        }
        protected void Button1_Click(object sender,
        EventArgs e)
        {
            String mnmm,mnc;
            int mncc;
            mnmm = TextBox1.Text;
            mnc = TextBox2.Text;
            mncc = Convert.ToInt32(TextBox3.Text);
            string qry = "insert into
medicine(medicine_name, medicine_company,
medicine_cost) values (" + mnmm + "," + mnc + "," +
mncc + ")";
            cmd = new SqlCommand(qry, con);
            cmd.ExecuteNonQuery();
            Response.Write("\n Record Inserted
SuccessFully !!!");
        }
    }
}
```

```
TimeOut=30;Encrypt=False;TrustServerCertificate=F
alse";
```

```
con.Open();
Response.Write("Connection Established
Successfully !!!");
```

```
}
```

```
protected void Button1_Click(object sender,
EventArgs e)
```

```
{
```

```
String mnmm,mnc;
int mncc;
mnmm = TextBox1.Text;
mnc = TextBox2.Text;
mncc = Convert.ToInt32(TextBox3.Text);
string qry = "insert into
medicine(medicine_name, medicine_company,
medicine_cost) values (" + mnmm + "," + mnc + "," +
mncc + ")";
```

```
cmd = new SqlCommand(qry, con);
cmd.ExecuteNonQuery();
```

```
Response.Write("\n Record Inserted
SuccessFully !!!");
```

```
}
```

```
}
```

SQLQuery1.sql

```
create table medicine(
medicine_name varchar(100),
medicine_company varchar(100),
medicine_cost int
);
select * from medicine;
```

Output:

Connection Established Successfully !!!

Details View :-

Medicine Name :	<input type="text"/>
Medicine Company :	<input type="text"/>
Medicine Cost :	<input type="text"/>
SAVE	

medicine_name	medicine_company	medicine_cost
Dolo	Star Pharma	39
Paracetamol	Sun Pharma	29

medicine_name	Dolo
medicine_company	Star Pharma
medicine_cost	39
1 2	

medicine_name	Paracetamol
medicine_company	Sun Pharma
medicine_cost	29
	12

Practical: 3.8

Aim: Form View Demo.

Code:

Webform1.aspx

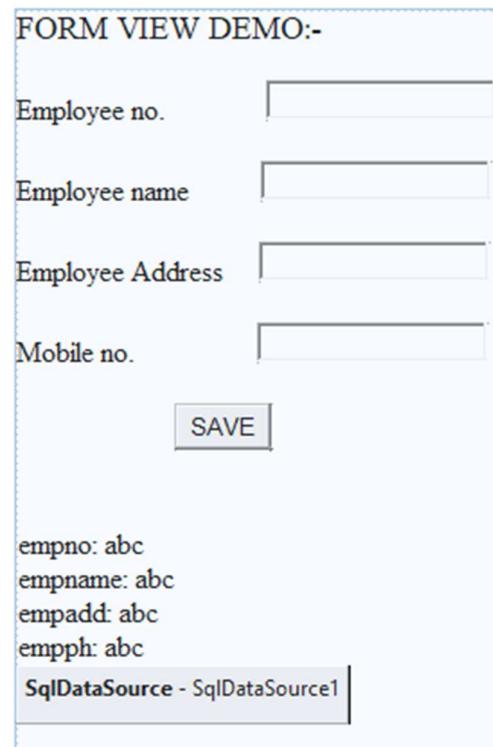
```
<%@ Page Language="C#" AutoEventWireup="true"  
CodeBehind="WebForm1.aspx.cs"  
Inherits="FormViewDemo.WebForm1" %>
```

```

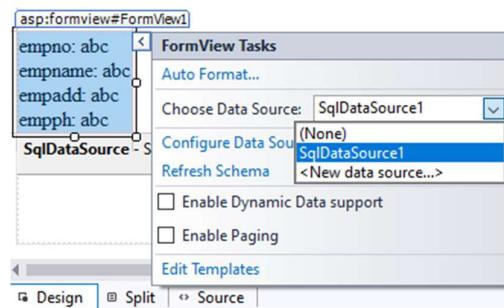
<asp:TextBox ID="empnameTextBox"
runat="server" Text=<%# Bind("empname") %>'>
<br />
empadd:
<asp:TextBox ID="empaddTextBox"
runat="server" Text=<%# Bind("empadd") %>'>
<br />
emph:
<asp:TextBox ID="empphTextBox"
runat="server" Text=<%# Bind("empph") %>'>
<br />
<asp:LinkButton ID="InsertButton"
runat="server" CausesValidation="True"
CommandName="Insert" Text="Insert" />
 <asp:LinkButton
ID="InsertCancelButton" runat="server"
CausesValidation="False" CommandName="Cancel"
Text="Cancel" />
</InsertItemTemplate>
<ItemTemplate>
empno:
<asp:Label ID="empnoLabel"
runat="server" Text=<%# Bind("empno") %>'>
<br />
empname:
<asp:Label ID="empnameLabel"
runat="server" Text=<%# Bind("empname") %>'>
<br />
empadd:
<asp:Label ID="empaddLabel"
runat="server" Text=<%# Bind("empadd") %>'>
<br />
emph:
<asp:Label ID="empphLabel"
runat="server" Text=<%# Bind("empph") %>'>
<br />

</ItemTemplate>
</asp:FormView>
<asp:SqlDataSource ID="SqlDataSource1"
runat="server"
ConnectionString=<%$ ConnectionStrings:masterConnectionString %>"'
ProviderName=<%$ ConnectionStrings:masterConnectionString.ProviderName %>"'
SelectCommand="SELECT * FROM
[Employee1]"></asp:SqlDataSource>
</div>
</form>
</body>
</html>

```



Then Choose <New Data Source>



- Then Enter Server Name : (localdb)\MSSQLLocaldb
- Then Select Employee1 in Databases

WebForm1.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace FormViewDemo
{

```

```

public partial class WebForm1 : System.Web.UI.Page
{
    //Before Page Load Method Object of Sql
    Connection class
    SqlConnection con = new SqlConnection();
    SqlCommand cmd;
    protected void Page_Load(object sender,
    EventArgs e)
    {
        //Remove Space From Trust Onwards in
        ConnectionString

        con.ConnectionString = "Data
        Source=(localdb)\MSSQLLocalDB;Initial
        Catalog=master;Integrated Security=True;Connect
        Timeout=30;Encrypt=False;TrustServerCertificate=Fals
        e;ApplicationIntent=ReadWrite;MultiSubnetFailover=F
        alse";
        con.Open();
        Response.Write("Connection Established
        Successfully !!!");
    }
    protected void Button1_Click(object sender,
    EventArgs e)
    {
        String en,ena,ead,eph;
        en = TextBox1.Text;
        ena = TextBox2.Text;
        ead = TextBox3.Text;
        eph = TextBox4.Text;
        string qry = "insert into Employee1(empno,
        empname, empadd, empph) values (" + en + "','" + ena
        + "','" + ead + "','" + eph + ")";
        cmd = new SqlCommand(qry, con);
        cmd.ExecuteNonQuery();
        Response.Write("\n Record Inserted
        SuccessFully !!!");
    }
}

```

SQLQuery2.sql

```

create table Employee1(
empno varchar(100),
empname varchar(100),
empadd varchar(100),
empph varchar(100)
);
select * from Employee1;

```

Output:

Connection Established Successfully !!!
FORM VIEW DEMO:-

Employee no.	<input type="text"/>
Employee name	<input type="text"/>
Employee Address	<input type="text"/>
Mobile no.	<input type="text"/>
<input type="button" value="SAVE"/>	

empno: 1
empname: Saurabh Manoj Gond
empadd: Titwala
empph: 9146417880

Practical: 3.9

Aim: List View Demo.

Code:

Webform1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="WebForm1.aspx.cs"
Inherits="LListViewDemo.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" Font-
Size="Large" Text="LIST VIEW DEMO:-"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server"
Text="Employee no."></asp:Label>
            &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nb
sp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
            <br />
            <br />
```

MCAL25 Advanced Web Technologies (AWT) Lab

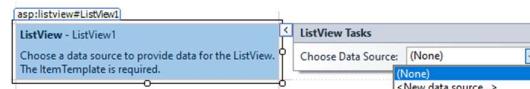
```

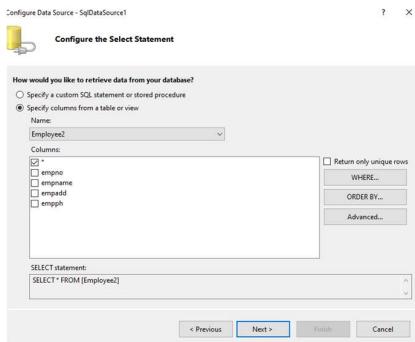
<asp:Button ID="InsertButton"
runat="server" CommandName="Insert" Text="Insert"
/>
<asp:Button ID="CancelButton"
runat="server" CommandName="Cancel" Text="Clear"
/>
</li>
</InsertItemTemplate>
<ItemSeparatorTemplate>
<br />
</ItemSeparatorTemplate>
<ItemTemplate>
<li style="background-color:
#DCDCDC;color: #000000;">empno:
<asp:Label ID="empnoLabel"
runat="server" Text=<%# Eval("empno") %>' />
<br />
empname:
<asp:Label ID="empnameLabel"
runat="server" Text=<%# Eval("empname") %>' />
<br />
empadd:
<asp:Label ID="empaddLabel"
runat="server" Text=<%# Eval("empadd") %>' />
<br />
empph:
<asp:Label ID="empphLabel"
runat="server" Text=<%# Eval("empph") %>' />
<br />
</li>
</ItemTemplate>
<LayoutTemplate>
<ul id="itemPlaceholderContainer"
runat="server" style="font-family: Verdana, Arial,
Helvetica, sans-serif;">
<li runat="server" id="itemPlaceholder"
/>
</ul>
<div style="text-align: center;background-
color: #CCCCCC;font-family: Verdana, Arial,
Helvetica, sans-serif;color: #000000;">
</div>
</LayoutTemplate>
<SelectedItemTemplate>
<li style="background-color:
#008A8C;font-weight: bold;color: #FFFFFF;">empno:
<asp:Label ID="empnoLabel"
runat="server" Text=<%# Eval("empno") %>' />
<br />
empname:
<asp:Label ID="empnameLabel"
runat="server" Text=<%# Eval("empname") %>' />
<br />
empadd:
<asp:Label ID="empaddLabel"
runat="server" Text=<%# Eval("empadd") %>' />
<br />
empph:
<asp:Label ID="empphLabel"
runat="server" Text=<%# Eval("empph") %>' />
<br />
</li>
</SelectedItemTemplate>
</asp:ListView>
<asp:SqlDataSource ID="SqlDataSource1"
runat="server"
ConnectionString=<%$ ConnectionStrings:masterCon
nectionString %>"'
ProviderName=<%$ ConnectionStrings:masterConnec
tionString.ProviderName %>"'
SelectCommand="SELECT * FROM
[Employee2]"></asp:SqlDataSource>
</div>
</form>
</body>
</html>

```

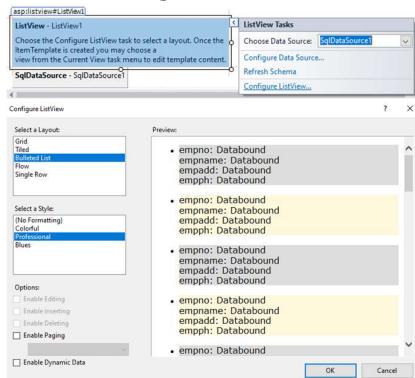
LIST VIEW DEMO:-

Employee no.	<input type="text"/>
Employee name	<input type="text"/>
Employee Address	<input type="text"/>
Mobile no.	<input type="text"/>
<input type="button" value="SAVE"/>	





• Configure ListView



Webform1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;

namespace ListViewDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        //Before Page Load Method Object of Sql
        Connection class

        SqlConnection con = new SqlConnection();
        SqlCommand cmd;
        protected void Page_Load(object sender,
        EventArgs e)
        {
            //Remove Space From Trust Onwards in
            ConnectionString
            con.ConnectionString = "Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect

```

```
Timeout=30;Encrypt=False;TrustServerCertificate=False;
ApplicationIntent=ReadWrite;MultiSubnetFailover=False";

```

```
con.Open();
Response.Write("Connection Established
Successfully !!!");
}

protected void Button1_Click(object sender,
EventArgs e)
{
    String en, ena, ead, eph;
    en = TextBox1.Text;
    ena = TextBox2.Text;
    ead = TextBox3.Text;
    eph = TextBox4.Text;
    string qry = "insert into Employee2(empno,
    empname, empadd, empph) values ('" + en + "','" + ena
    + "','" + ead + "','" + eph + "')";

    cmd = new SqlCommand(qry, con);
    cmd.ExecuteNonQuery();
    Response.Write("\n Record Inserted
SuccessFully !!!");
}
}
}
```

SQLQuery1.sql

```
create table Employee2(
    empno varchar(100),
    empname varchar(100),
    empadd varchar(100),
    empph varchar(100)
);
select * from Employee2;
```

OUTPUT:

```
Connection Established Successfully !!!
LIST VIEW DEMO:-
```

Employee no.	<input type="text"/>
Employee name	<input type="text"/>
Employee Address	<input type="text"/>
Mobile no.	<input type="text"/>
<input type="button" value="SAVE"/>	

- empno: 1

empname: Saurabh Manoj Gond

empadd: Titwala

empph: 9146417880

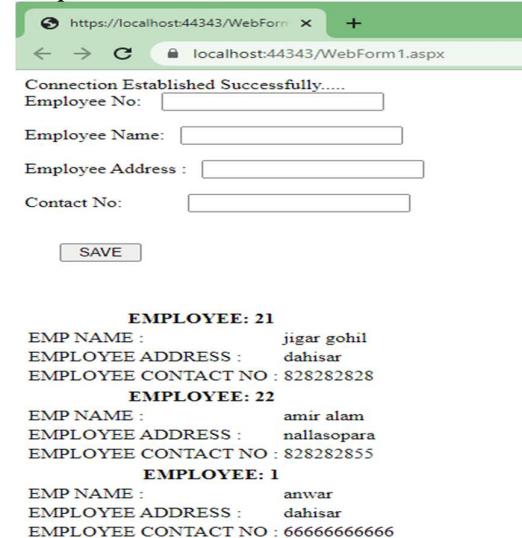

```
<br />
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
<br />
<br />
<asp:Repeater ID="Repeater1" runat="server"
DataMember="DefaultView"
DataSourceID="SqlDataSource2">
    <ItemTemplate>
        <div class="Repeater1">
            <table>
                <tr><th colspan="2">EMPLOYEE:</th></tr>
                <tr><td>%#Eval("empno") %</td><td>EMP NAME :</td></tr>
                <tr><td>%#Eval("empname") %</td></tr>
                <tr><td>EMPLOYEE
ADDRESS :</td><td>%#Eval("empaddress") %</td>
</tr>

<tr><td>EMPLOYEE CONTACT
NO :</td><td>%#Eval("empphoneno") %</td></tr>

                </table>
            </div>
        </ItemTemplate>
    </asp:Repeater>
    <asp:SqlDataSource ID="SqlDataSource1" 
runat="server"
ConnectionString="<%$ ConnectionStrings:masterConnectionString %>" SelectCommand="SELECT *
FROM [Employee1]"
OnSelecting="SqlDataSource1_Selecting"></asp:SqlDataSource>
        <br />
    </div>
</form>
</body>
</html>
```

```
WebForm1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
using System.Configuration;
namespace Repeater_Control
{
    public partial class WebForm1 : System.Web.UI.P
    {
        SqlConnection con = new SqlConnection();
        SqlCommand cmd;
        protected void Page_Load(object sender,
EventArgs e)
```

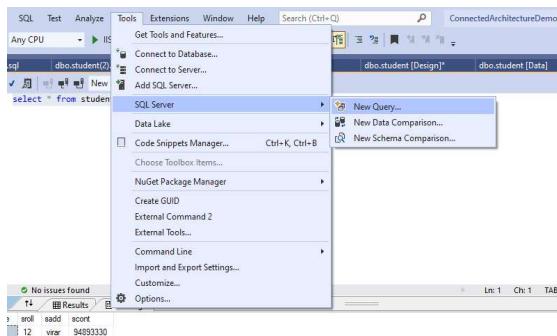
Output:



Practical: 3.11

Aim: Design a Web Application to display the use of LINQ.

Code:

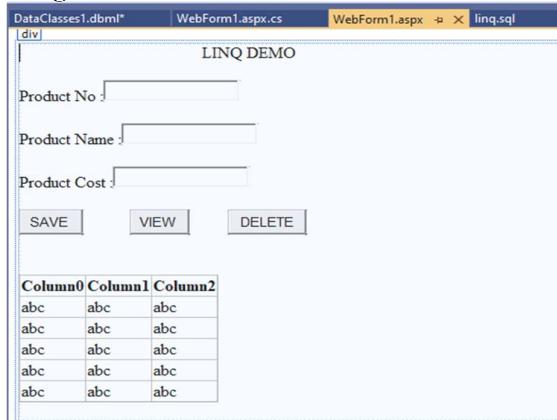


```
create table product2(pid int NOT NULL PRIMARY  
KEY,  
pname varchar(200),  
pcost varchar(200));  
Select * from product2;
```

Code:

WebForm1.aspx

Design



Source:

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

```
<!DOCTYPE html>
```

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



WebForm1.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace LINQ_DEMO
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }

        protected void Button1_Click(object sender,
EventArgs e)
        {
            var d = new DataClasses1DataContext();
            var c = new product1();
            c.pid = Convert.ToInt32(TextBox1.Text);
            c.pname = TextBox2.Text;
            c.pcost = TextBox3.Text;
            d.product1s.InsertOnSubmit(c);
            d.SubmitChanges();
            Response.Write("Successfully Inserted
DATA");
        }

        protected void Button2_Click(object sender,
EventArgs e)
        {
            var d = new DataClasses1DataContext();
            var a = from product1 in d.product1s select
product1;
            GridView1.DataSource = a;
            GridView1.DataBind();
            Response.Write("sucessfully selected data");
        }

        protected void Button3_Click(object sender,
EventArgs e)
        {
            var d = new DataClasses1DataContext();
            var c = new product1();
            var deleteproduct = from product1 in
d.product1s
                where product1.pid ==
Convert.ToInt32(TextBox1.Text)
                select product1;
        }
    }
}

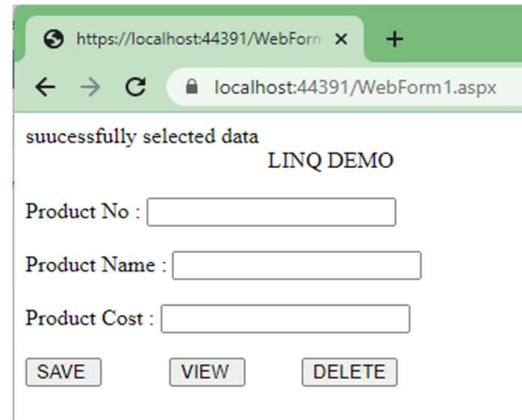
```

```

foreach (var detail in deleteproduct)
{
    d.product1s.DeleteOnSubmit(detail);
}
d.SubmitChanges();
Response.Write("successfully deleted ");
}

```

OutPut:



4: Session Management and AJAX

Practical: 4.1

Aim: Design Web Applications using Client-Side Session.

WebForm1.aspx

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

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="height: 516px">
    <form id="form1" runat="server">
        <div style="height: 512px">
            <asp:Label ID="Label1" runat="server" Font-Bold="True" Font-Size="X-Large" Text="Hidden Form Field"></asp:Label>
            <asp:HiddenField ID="HiddenField1" runat="server" Value="10000" />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="View Hidden Form Field" />
            &nbsp;&nbsp;&nbsp;
            <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server" Font-Bold="True" Font-Size="X-Large" Text="View State"></asp:Label>
            <br />
            <br />
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            &nbsp;
            <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Create View State" />
            <br />
            <br />
            <asp:Button ID="Button3" runat="server" OnClick="Button3_Click" Text="Get View State" />
            &nbsp;&nbsp;
```

Hidden Form Field

HiddenField - HiddenField1

View State

Query String

Reading/Writing Cookies

Cookie Name

```
WebForm1.aspx.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace ClientSideServerManagement
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            Label2.Text = HiddenField1.Value;
        }
        protected void Button2_Click(object sender,
EventArgs e)
        {
            ViewState["userid"] = TextBox1.Text;
            Response.Write("View State Created
Successfully !!!");
        }
        protected void Button3_Click(object sender,
EventArgs e)
```

```
{
    if (ViewState["userid"] != null)
    {
        Label4.Text =
        ViewState["userid"].ToString();
    }
}
protected void Button4_Click(object sender,
EventArgs e)
{
    Response.Redirect("WebForm2.aspx?data=" +
TextBox2.Text);
}

protected void Button5_Click(object sender,
EventArgs e)
{
    Response.Cookies["name"].Value =
TextBox3.Text;
    Response.Cookies["name"].Expires =
DateTime.Now.AddMinutes(1);
    Label8.Text = "Cookie Created";
    TextBox3.Text = "";
}
protected void Button6_Click(object sender,
EventArgs e)
{
    if (Request.Cookies["name"] == null)
    {
        TextBox3.Text = "No Cookie Found !!!";
    }
    else
    {
        TextBox3.Text =
Request.Cookies["name"].Value;
    }
}
```

Create WebForm2.aspx and Leave it as it is

Output:

Hidden Form Field

10000

View State

Saurabh Gond

Query String

Reading/Writing Cookies

Cookie Name

Cookie Created

Practical: 4.2

Aim: Design Web Applications using Server-Side Session.

Code:

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

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            text-decoration: underline;
        }
    </style>
</head>
<body>
    <form id="form1" runat="server">
        <div style="height: 170px">
            <span class="auto-
style1"><strong><em>LOGIN
PAGE</em></strong></span><br />
```



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

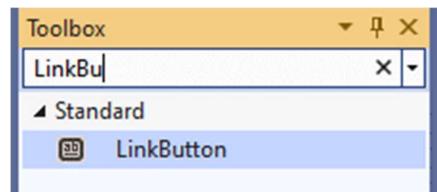
namespace ServerSideStateManagement
{
    public partial class UseofASession : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
```

```
{
}
protected void Button1_Click(object sender,
EventArgs e)
{
    if (TextBox1.Text == "Saurabh" &&
    TextBox2.Text == "2077")
    {
        //Create Session
        Session["username"] = TextBox1.Text;
        Session.Timeout = 1; //1min
        Response.Redirect("Home.aspx");
    }
}
}
```

Home.aspx

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

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            text-decoration: underline;
        }
    </style>
</head>
<body style="height: 105px">
    <form id="form1" runat="server">
        <div style="height: 110px">
            <span class="auto-
style1"><strong><em>Welcome</em></strong></span
>,
            <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>
            <br />
            <br />
            <asp:LinkButton ID="LinkButton1"
runat="server"
OnClick="LinkButton1_Click">LogOut</asp:LinkButt
on>
            <br />
        </div>
    </form>
</body>
</html>
```

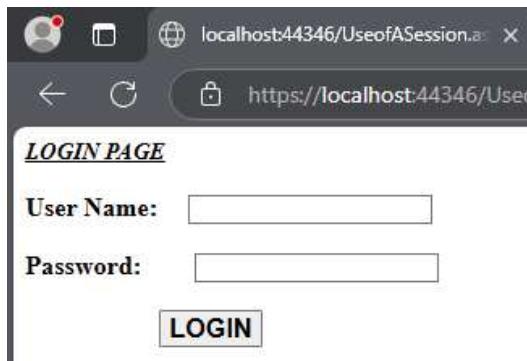
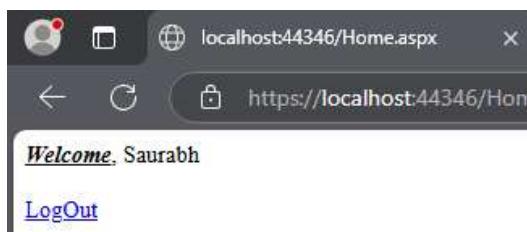
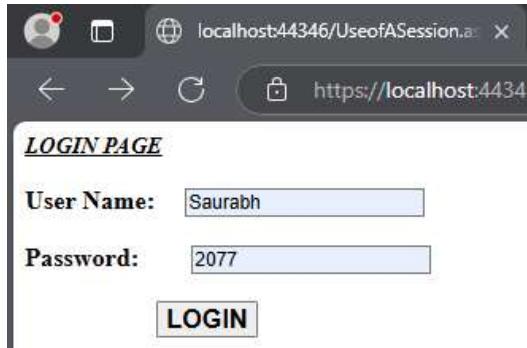


Home.aspx.cs

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

namespace ServerSideStateManagement
{
    public partial class Home : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
            if (!IsPostBack)
            {
                if (Session["username"] != null)
                {
                    Label2.Text =
Session["username"].ToString();
                }
                else
                {
                    Response.Redirect("UseofASession.aspx");
                }
            }
        }
        protected void LinkButton1_Click(object sender,
EventArgs e)
        {
            //Destroy
            Session.Abandon();
            Response.Redirect("UseofASession.aspx");
        }
    }
}
```

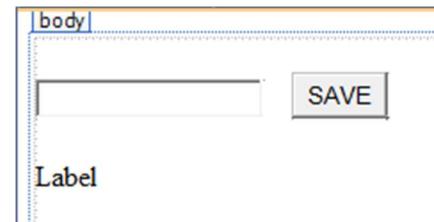
Output:



UseofProfile.aspx

```
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="UseofProfile.aspx.cs"
Inherits="ServerSideStateManagement.UseofProfile" %>
<!
<!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: 268px">
            <br />
            <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
        &nbsp;&nbsp;&nbsp;
```

```
<asp:Button ID="Button1" runat="server"
OnClick="Button1_Click" Text="SAVE" />
<br />
<br />
<asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
</div>
</form>
</body>
</html>
```



UseofProfile.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Profile;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace ServerSideStateManagement
{
    public partial class UseofProfile : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            //Save the Profile Data
            ProfileBase profile =
ProfileBase.Create(User.Identity.Name);
            profile SetProperty Value("FirstName",
TextBox1.Text);
            profile.Save();
            //Display the Saved First Name
            Label1.Text =
profile.GetProperty Value("FirstName").ToString()
        }
    }
}
```

Web.config

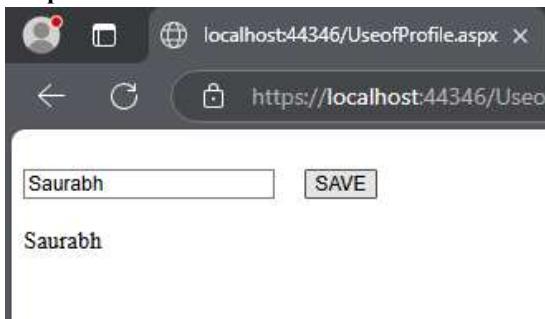


```

<?xml version="1.0" encoding="utf-8"?>
<!-- For more information on how to configure your ASP.NET application, please visit
    https://go.microsoft.com/fwlink/?LinkId=169433
-->
<configuration>
    <system.web>
        <compilation debug="true" targetFramework="4.7.2" />
        <httpRuntime targetFramework="4.7.2" />
        <anonymousIdentification enabled="true" />
        <profile defaultProvider="AspNetSqlProfileProvider" enabled="true">
            <properties>
                <add name="FirstName" type="System.String" />
            </properties>
        </profile>
    </system.web>

```

Output:



UseofApplication.aspx

```

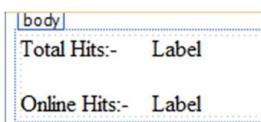
<%@ Page Language="C#" AutoEventWireup="true"
CodeBehind="UseofApplication.aspx.cs"
Inherits="ServerSideStateManagement.UseofApplication
n" %>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Total Hits:-&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
            <br />
            <br />
            Online Hits:-&nbsp;&nbsp;&nbsp; <asp:Label
ID="Label2" runat="server"
Text="Label"></asp:Label>
        </div>
    </form>
</body>
</html>

```



UseofApplication.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

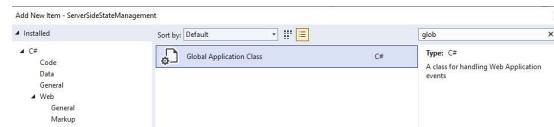
```

```

namespace ServerSideStateManagement
{
    public partial class UseofApplication : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Label1.Text = Application["hits"].ToString();
            Label2.Text =
Application["onlineuser"].ToString();
        }
    }
}

```

Global.asax.cs



```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.SessionState;

namespace ServerSideStateManagement
{
    public class Global : System.Web.HttpApplication
    {

        protected void Application_Start(object sender, EventArgs e)
        {
            Application["hits"] = 0;
            Application["onlineuser"] = 0;
        }

        protected void Session_Start(object sender, EventArgs e)
        {
            Application.Lock();
        }
    }
}

```



```

</asp:ScriptManager>
<asp:UpdatePanel ID="UpdatePanel1"
runat="server">
    <ContentTemplate>
        <asp:Timer ID="Timer1" runat="server"
OnTick="Timer1_Tick">
            </asp:Timer>
            <br />
            <asp:Label ID="Label1" runat="server"
Text="Label"></asp:Label>
        </ContentTemplate>
    </asp:UpdatePanel>
    <br />
    <asp:Label ID="Label2" runat="server"
Text="Label"></asp:Label>
</div>
</form>
</body>
</html>

```

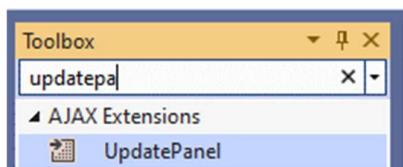
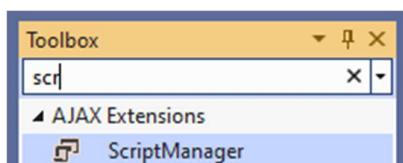
LOGIN PAGE

Enter Name :	<input type="text"/>
Enter E-mail :	<input type="text"/>
Enter Phone no :	<input type="text"/>
<input type="button" value="SUBMIT"/>	

ScriptManager - ScriptManager1

Timer - Timer1
Label
Label

First Script Manager > Then Below it UpdatePanel >
Then Add Timer in UpdatePanel > Then Add 1 Label



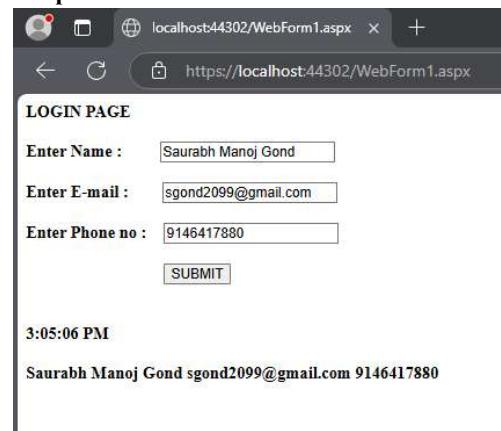
WebForm1.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace AjaxControlDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            Label2.Text = TextBox1.Text + " " +
TextBox2.Text + " " + TextBox3.Text;
        }
        protected void Timer1_Tick(object sender,
EventArgs e)
        {
            Label1.Text =
DateTime.Now.ToString();
        }
    }
}

```

Output:



5: Web Services and WCF

Practical: 5.1

Aim: Design a web service to access the method of Bank Account class, consume this web service using web client.

Code:

Step:1) Add New Item.



Step:2) Add Code In it.

Code:

```
#WebServices_BankDemo.WebService1
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Services;
```

```
namespace WebServices_BankDemo
{
    /// <summary>
    /// Summary description for WebService1
    /// </summary>
    [WebService(Namespace = "http://tempuri.org/")]
    [WebServiceBinding(ConformsTo =
WsiProfiles.BasicProfile1_1)]
    [System.ComponentModel.ToolboxItem(false)]
    // To allow this Web Service to be called from script,
    using ASP.NET AJAX, uncomment the following line.
    // [System.Web.Script.Services.ScriptService]
    public class WebService1 :
System.Web.Services.WebService
    {
        [WebMethod]
        public string HelloWorld()
        {
            return "Hello World";
        }
        [WebMethod]
        public string getname(string nm)
        {
            return nm;
        }
    }
}
```

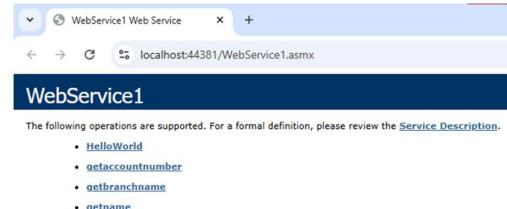
[WebMethod]

```
public int getaccountnumber(int ano)
{
    return ano;
}
```

[WebMethod]

```
public string getbranchname(string bnm)
{
    return bnm;
}
```

Step:3) Execute it.

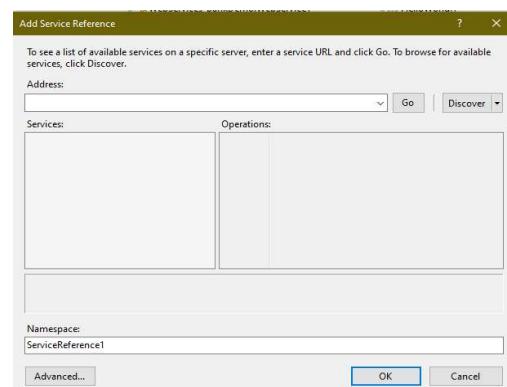
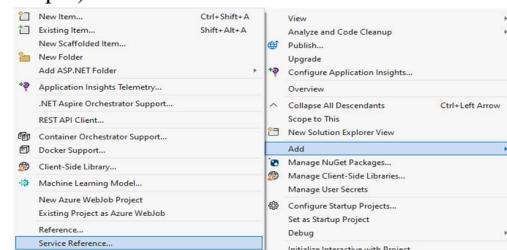


Step:4) Minimise Chrome and Make Changes in Running Project.

Then Copy the URL

"https://localhost:44381/WebService1.asmx"

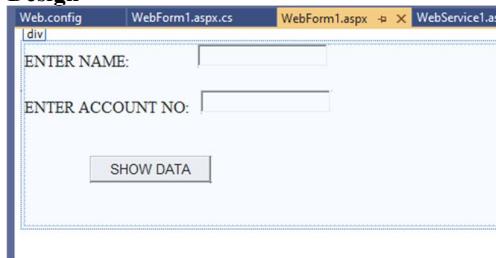
Step:5)



(Right click) Project->Add Service Reference->Advanced->Add Web Reference->(Copy Services URL from execution page (till Services.asmx) and paste in URL)->Click Add Reference(RHS)

WebForm1.aspx

Design



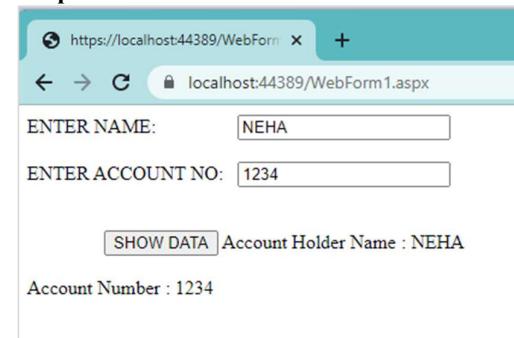
Source

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

WebForm1.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebserviceDemo_Bank_Class
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            localhost.WebService1 obj = new
localhost.WebService1();
            string a = obj.getname(TextBox1.Text);
            int b =
obj.getaccountnumber(Convert.ToInt32(TextBox2.Text
));
            Label1.Text = "Account Holder Name : " + a;
            Label2.Text = "Account Number : " + b;
        }
    }
}
```

Output:



Practical: 5.2

Aim: Create web service that returns all student details from student table. Write web application that uses this service to display student details in a DataGridView control.

Code:

1. Add Web Service in Server Project



```
2. Add Code in Web Service  
using System; }  
using System.Collections.Generic; }  
using System.Configuration; }
```

2. Add Code in Web Service

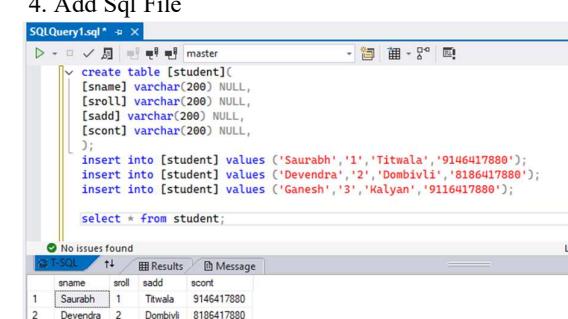
```
using System;
using System.Collections.Generic;
using System.Configuration;
using System.Data.SqlClient;
using System.Data;
using System.Linq;
using System.Web;
using System.Web.Services;

namespace WebService_DataBaseDemo
{
    /// <summary>
    /// Summary description for WebService1
    /// </summary>
    [WebService(Namespace = "http://tempuri.org/")]
    [WebServiceBinding(ConformsTo =
WsiProfiles.BasicProfile1_1)]
    [System.ComponentModel.ToolboxItem(false)]
    // To allow this Web Service to be called from script,
    using ASP.NET AJAX, uncomment the following line.
    // [System.Web.Script.Services.ScriptService]
    public class WebService1 :
System.Web.Services.WebService
    {
        [WebMethod]
        public string HelloWorld()
        {
            return "Hello World";
        }
        [WebMethod]
        public DataSet getStudent()
        {
            string con =
ConfigurationManager.ConnectionStrings["n1"].Connec
tionString;
```

3. In Web.config add this line below system.web

```
<connectionStrings>
<add name="n1"
connectionString="Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False
;ApplicationIntent=ReadWrite;MultiSubnetFailover=False"/>
</connectionStrings>
```

4. Add Sql File

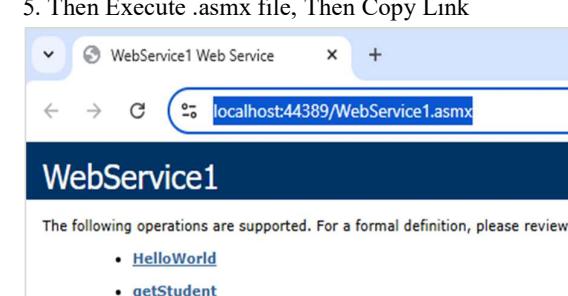


```
SQLQuery1.sql * x
D - □ ✓ ⌂ master
create table [student](
    [sname] varchar(200) NULL,
    [roll] varchar(200) NULL,
    [sadd] varchar(200) NULL,
    [score] varchar(200) NULL,
);
insert into [student] values ('Saurabh','1','Titwala','9146417880');
insert into [student] values ('Devendra','2','Dombivli','8186417880');
insert into [student] values ('Ganesh','3','Kalyan','9116417880');

select * from student;

No issues found
SQL Results Message
sname roll saddr score
1 Saurabh 1 Titwala 9146417880
2 Devendra 2 Dombivli 8186417880
3 Ganesh 3 Kalyan 9116417880
```

5. Then Execute .asmx file, Then Copy Link



3. In Web.config add this line below system.web

```
<connectionStrings>
    <add name="n1"
        connectionString="Data
Source=(localdb)\MSSQLLocalDB;Initial
Catalog=master;Integrated Security=True;Connect
Timeout=30;Encrypt=False;TrustServerCertificate=False;
ApplicationIntent=ReadWrite;MultiSubnetFailover=False
        />
```

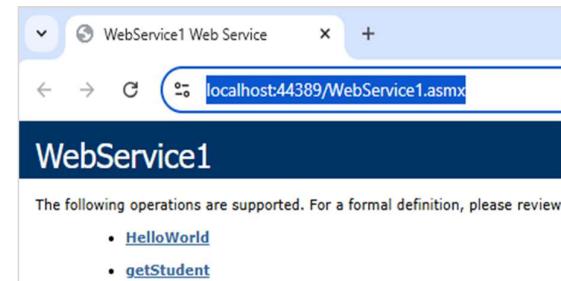
4. Add Sql File

```
SQLQuery1.sql * >
D > master
create table [student]
  [<span>[sname]</span>] varchar(200) NULL,
  [<span>[sroll]</span>] varchar(200) NULL,
  [<span>[sadd]</span>] varchar(200) NULL,
  [<span>[scnt]</span>] varchar(200) NULL,
);
insert into [student] values ('Saurabh','1','Titwala','9146417880');
insert into [student] values ('Devendra','2','Dombivli','8186417880');
insert into [student] values ('Ganesh','3','Kalyan','9116417880');

select * from student;

No issues found
```

5. Then Execute .asmx file, Then Copy Link



6. Add WebForm1.aspx

Column0	Column1	Column2
abc	abc	abc

[Show Info](#)

MCAL25 Advanced Web Technologies (AWT) Lab

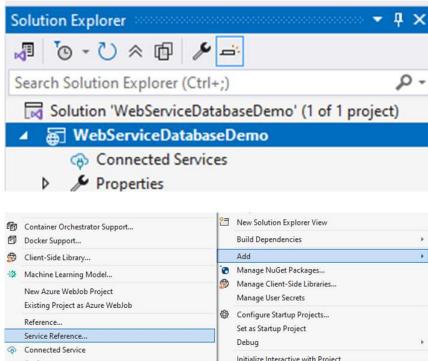
7. Double click on showinfo and add code

```

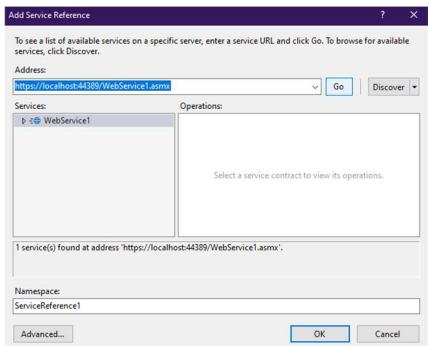
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebServiceDatabaseDemo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender,
EventArgs e)
        {
        }
        protected void Button1_Click(object sender,
EventArgs e)
        {
            localhost.WebService1 obj = new
localhost.WebService1();
            GridView1.DataSource = obj.getStudent();
            GridView1.DataBind();
        }
    }
}

```

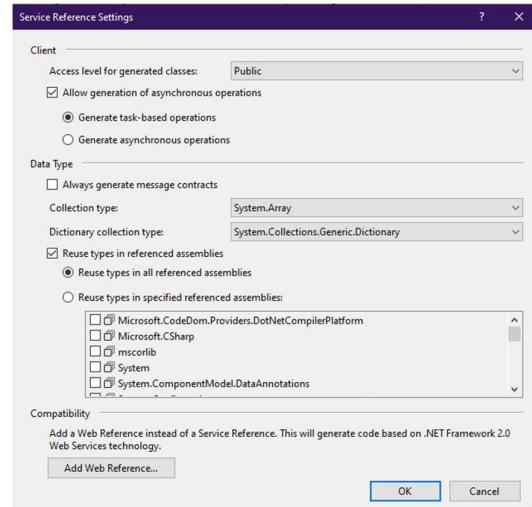
8. Add service reference



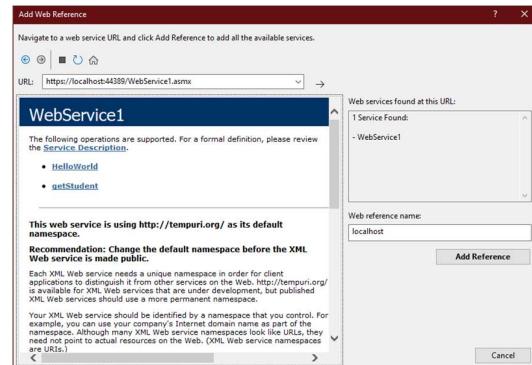
9. Add the Copied URL here and click Go > Then Click on Advance



10. Then Click on Add Web Reference



11. Then Add the Copied URL and click on (->) and Add Reference



12. Then run the webform1.aspx

13. Output



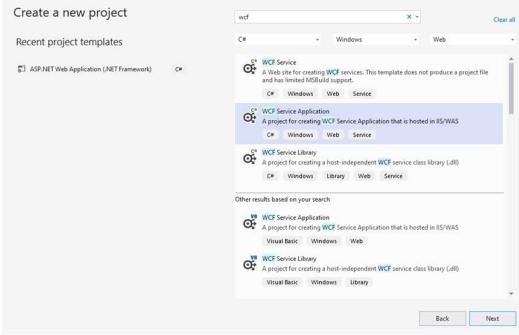
[Show Info](#)

Practical: 5.3

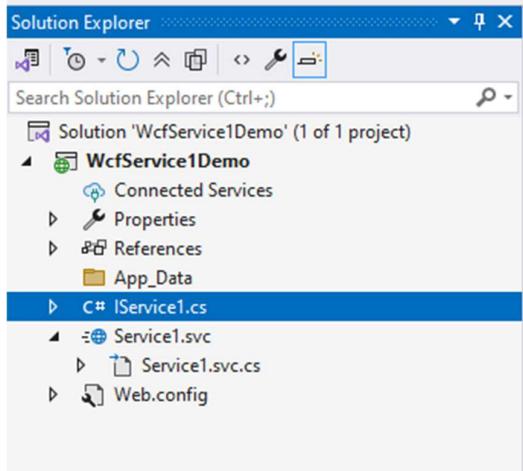
Aim: Design WCF service for a simple arithmetic calculator, consume the service using a web client.

Code:

1. Create a WCF Service Application Project



2. Click on IService1.cs



3. Add Code in IService1.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.ServiceModel.Web;
using System.Text;

namespace WcfService1Demo
{
    // NOTE: You can use the "Rename" command on
    // the "Refactor" menu to change the interface name
    // "IService1" in both code and config file together.
    [ServiceContract]
    public interface IService1
```

```
{
    [OperationContract]
    double add(double a,double b);
    [OperationContract]
    double sub(double a, double b);
    [OperationContract]
    double mul(double a, double b);
    [OperationContract]
    double div(double a, double b);
```

// Use a data contract as illustrated in the sample below to add composite types to service operations.

```
[DataContract]
public class CompositeType
{
    bool boolValue = true;
    string stringValue = "Hello ";
```

```
[DataMember]
public bool BoolValue
{
    get { return boolValue; }
    set { boolValue = value; }
}
[DataMember]
public string StringValue
{
    get { return stringValue; }
    set { stringValue = value; }
}
```

4. Add Code in Service1.svc.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.Security.Cryptography.X509Certificates;
using System.ServiceModel;
using System.ServiceModel.Web;
using System.Text;
namespace WcfService1Demo
{
    // NOTE: You can use the "Rename" command on
    // the "Refactor" menu to change the class name
    // "Service1" in code, svc and config file together.
    // NOTE: In order to launch WCF Test Client for
    // testing this service, please select Service1.svc or
    // Service1.svc.cs at the Solution Explorer and start
    // debugging.
```

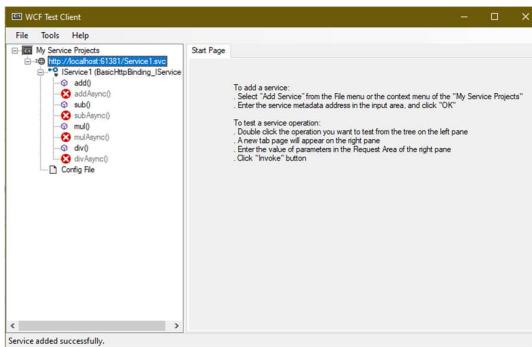
```
public class Service1 : IService1
{
    public double add(double a, double b)
    {
        return a + b;
    }

    public double sub(double a, double b)
    {
        return a - b;
    }

    public double mul(double a, double b)
    {
        return a * b;
    }

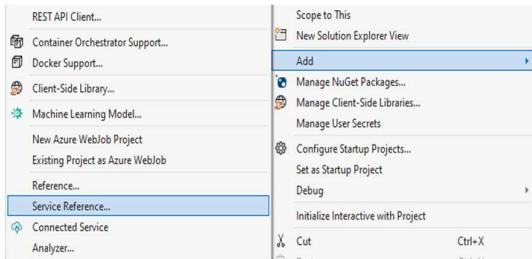
    public double div(double a, double b)
    {
        return a / b;
    }
}
```

5. Then Run Service1.svc.cs



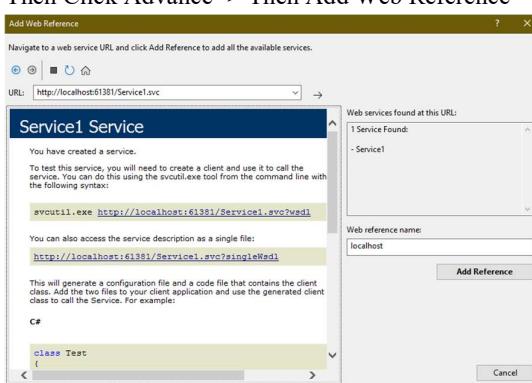
And Copy Link : <http://localhost:61381/Service1.svc>

6. Then Give Service Reference

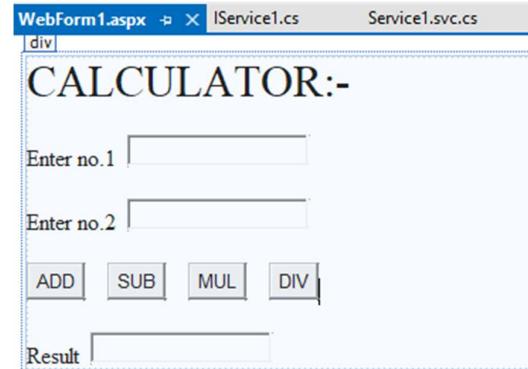


Then Add the url and click go

Then Click Advance -> Then Add Web Reference



7. Add a WebForm1.aspx



```
<%@ Page Language="C#" AutoEventWireup="true"  
CodeBehind="WebForm1.aspx.cs"  
Inherits="WcfService1Demo.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" Font-
Size="XX-Large" Text="CALCULATOR:-
"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server"
Text="Enter no.1"></asp:Label>
&nbsp;
            <asp:TextBox ID="TextBox1"
runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server"
Text="Enter no.2"></asp:Label>
&nbsp;
            <asp:TextBox ID="TextBox2"
runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server"
Text="ADD" />
&nbsp;&nbsp;&nbsp;
            <asp:Button ID="Button2" runat="server"
Text="SUB" />
&nbsp;&nbsp;&nbsp;
```

```

<asp:Button ID="Button3" runat="server"
Text="MUL" />
 &nbsp;&nbsp;&nbsp;
<asp:Button ID="Button4" runat="server"
Text="DIV" />
<br />
<br />
<asp:Label ID="Label4" runat="server"
Text="Result"></asp:Label>
&nbsp;
<asp:TextBox ID="TextBox3"
runat="server"></asp:TextBox>
</div>
</form>
</body>
</html>

```

8. Add Code on Button Click to Open
WebForm1.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WcfService1Demo
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        localhost.Service1 obj = new localhost.Service1();

        protected void Page_Load(object sender,
EventArgs e)
        {
        }

        protected void Button1_Click(object sender,
EventArgs e)
        {
            double x, y, result;
            bool resultSpecified;

            x = Convert.ToDouble(textBox1.Text);
            y = Convert.ToDouble(textBox2.Text);

            bool aSpecified = true;
            bool bSpecified = true;
        }
    }
}

```

```

obj.add(x, aSpecified,y, bSpecified,out result,
out resultSpecified);
TextBox3.Text = result.ToString();
}

protected void Button2_Click(object sender,
EventArgs e)
{
    double x, y, result;
    bool resultSpecified;

    x = Convert.ToDouble(textBox1.Text);
    y = Convert.ToDouble(textBox2.Text);

    bool aSpecified = true;
    bool bSpecified = true;

    obj.sub(x, aSpecified, y, bSpecified, out result,
out resultSpecified);
    TextBox3.Text = result.ToString();
}

protected void Button3_Click(object sender,
EventArgs e)
{
    double x, y, result;
    bool resultSpecified;

    x = Convert.ToDouble(textBox1.Text);
    y = Convert.ToDouble(textBox2.Text);

    bool aSpecified = true;
    bool bSpecified = true;

    obj.mul(x, aSpecified, y, bSpecified, out result,
out resultSpecified);
    TextBox3.Text = result.ToString();
}

protected void Button4_Click(object sender,
EventArgs e)
{
    double x, y, result;
    bool resultSpecified;

    x = Convert.ToDouble(textBox1.Text);
    y = Convert.ToDouble(textBox2.Text);

    bool aSpecified = true;
    bool bSpecified = true;
}

```

```
    obj.div(x, aSpecified, y, bSpecified, out result,  
out resultSpecified);  
    TextBox3.Text = result.ToString();  
}  
}  
}
```

Output:

CALCULATOR:-

Enter no.1

Enter no.2

Result

CALCULATOR:-

Enter no.1

Enter no.2

Result

CALCULATOR:-

Enter no.1

Enter no.2

Result

CALCULATOR:-

Enter no.1

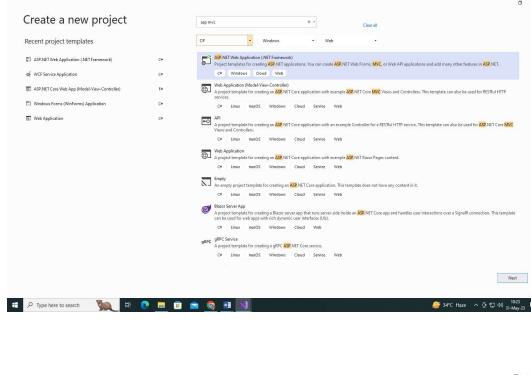
Enter no.2

Result

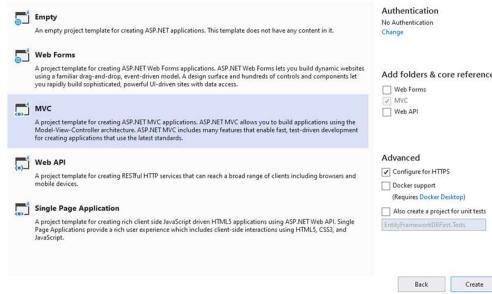
6: ASP.NET Core MVC Framework

Practical 6.1

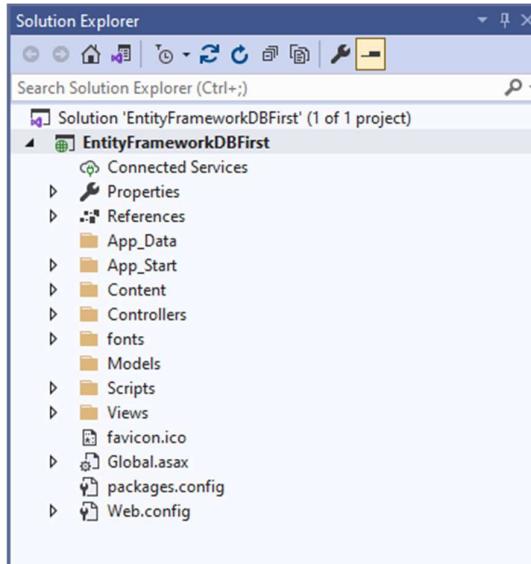
Aim: Implement CRUD operations using Entity Framework Code-First approach for Product data.
Code:



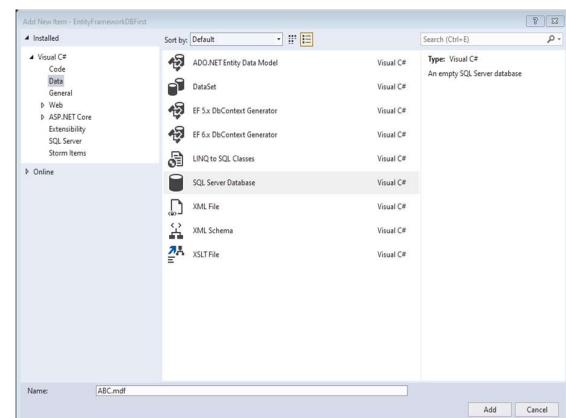
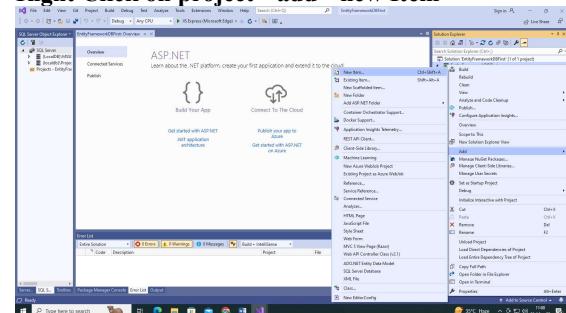
Create a new ASP.NET Web Application



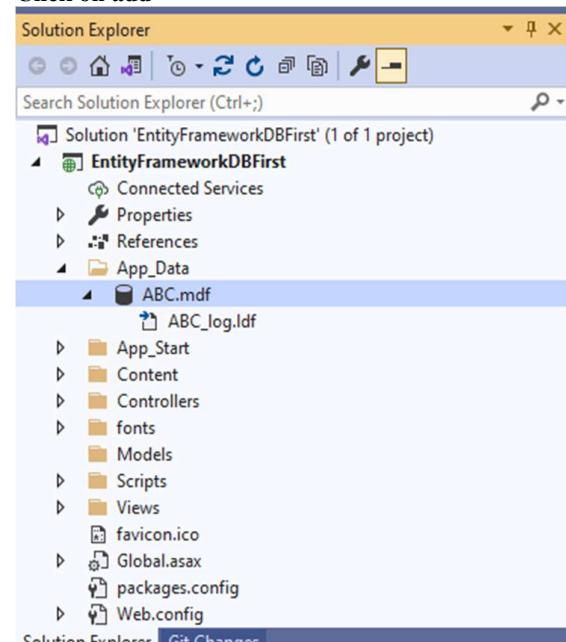
Click on create.



Right Click on project->add->new Item ->



**Give the name ABC.mdf
Click on add**

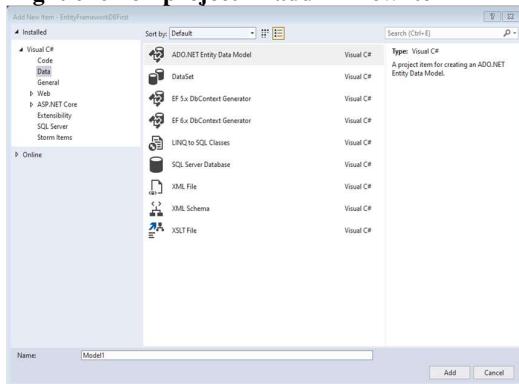


Double click on ABC.mdf

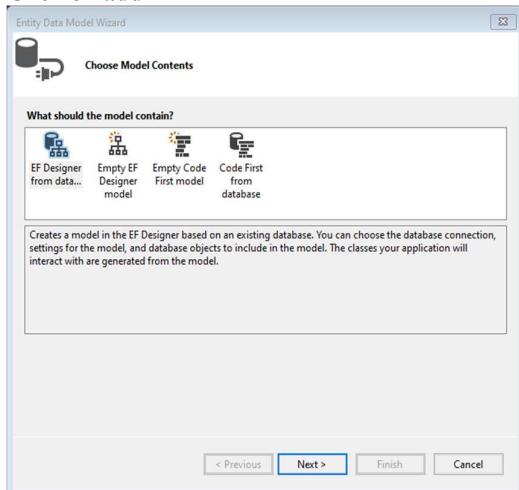
In server explorer Right click on ABC.mdf->new Query->Write Query to create table (table should contain Primary key compulsory)

```
CREATE TABLE [dbo].[product] (
    [pid] INT NOT NULL,
    [pname] VARCHAR (100) NULL,
    [pcoast] VARCHAR (100) NULL,
    PRIMARY KEY CLUSTERED ([pid] ASC)
);
```

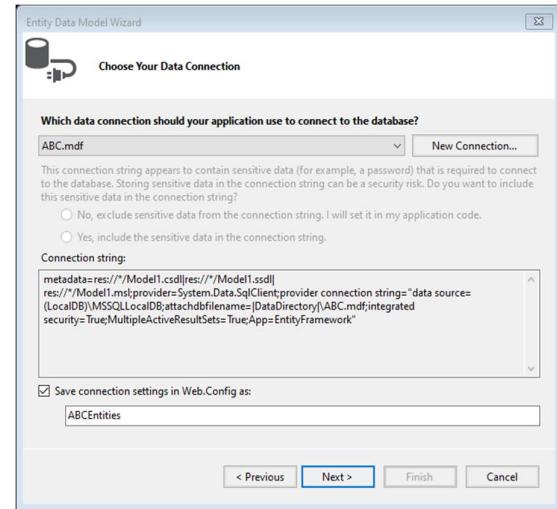
Right click on project -> add -> new item



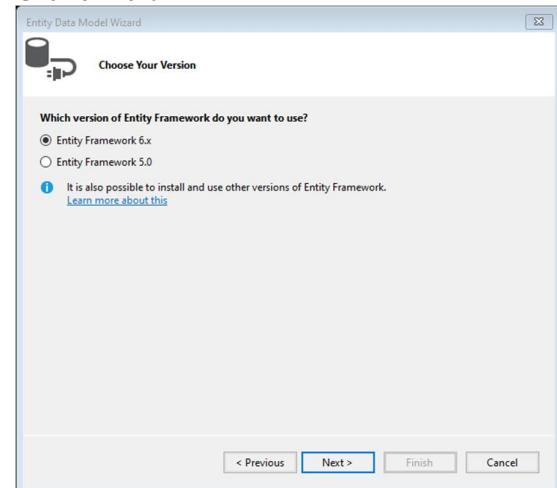
Click on add



Click on next

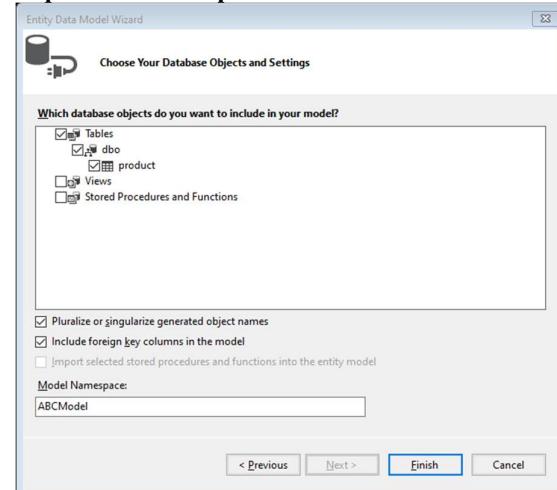


Click on next



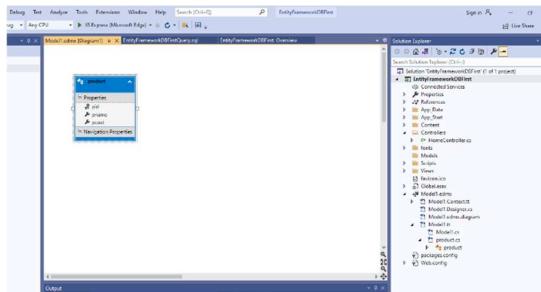
Click on next

Expand table -> expand dbo -> select table



Click on Finish

It will auto generate code – Model1.edmx – Expand Model1.edmx – Expand Model1.tt -> it will contain product.cs

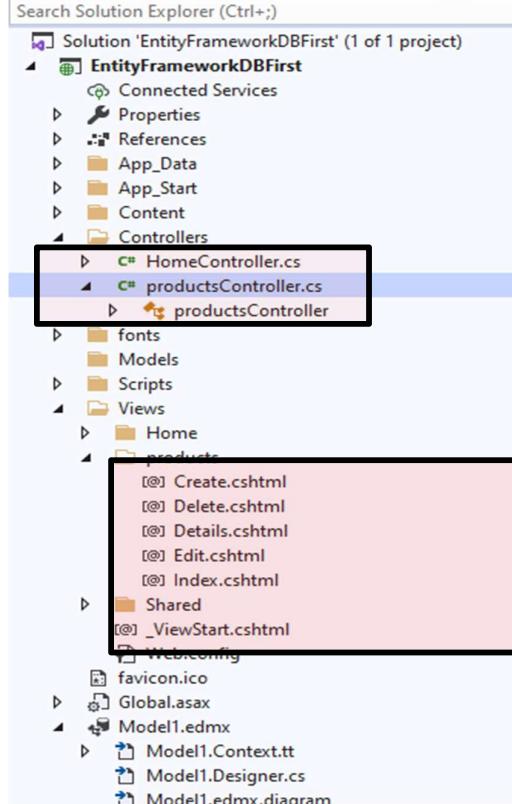
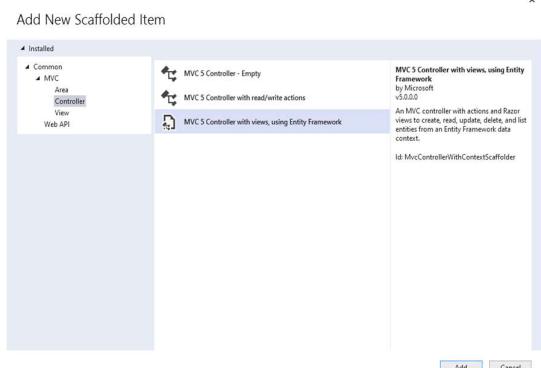


```
EntityDataSource1.cs
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.Entity;
using System.Data.Entity.Core.Objects;
using System.Data.Entity.Infrastructure;

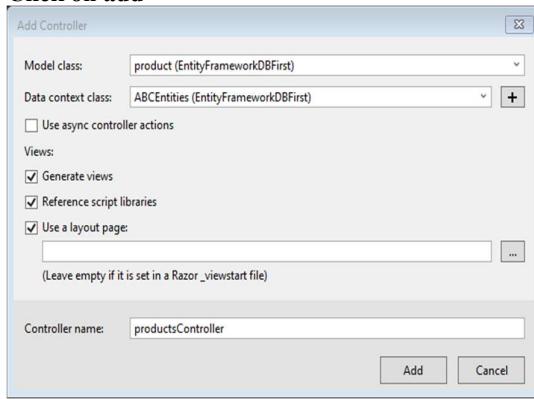
namespace EntityFrameworkDBFirst.Controllers
{
    public class productsController : Controller
    {
        private ABCEntities db = new ABCEntities();
        // GET: products
        public ActionResult Index()
        {
            return View(db.products.ToList());
        }
        // GET: products/Details/5
        public ActionResult Details(int? id)
        {
            if (id == null)
            {
                return new HttpStatusCodeResult(HttpStatusCode.BadRequest);
            }
            product product = db.products.Find(id);
            if (product == null)
            {
                return HttpNotFound();
            }
            return View(product);
        }
    }
}
```



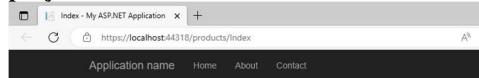
**Right click on Controller->add->Controller
Select MVC5 Controller with views, using Entity Framework**



Click on add



Expand View Products -> Index.cshtml-> Run project



Click on add (If any error re build project then add controller)

It will auto generate code for productsController.cs and also generate views for product.

Click on create new Output:

The screenshot shows two pages of an ASP.NET application. The top page is titled 'Create' and has fields for 'pid' (1), 'pname' (Laptop), and 'pcost' (40000). The bottom page is titled 'Index' and lists a single item: Laptop at 40000.

Create a new ASP.NET Web Application

The dialog shows the 'MVC' template selected. The Solution Explorer window shows the project structure for 'MVCEmp', including files like RouteConfig.cs, Global.asax, and packages.config.

Practical 6.2

Aim: Create a simple ASP.NET Core MVC application with models, views, and controllers to to display Employee details.

Create Asp.net MVC application

The dialog shows the 'ASP.NET Core Web Application (.NET Framework)' template selected. The 'Configure your new project' dialog is open, showing settings for 'Project name' (MVCShop), 'Location' (C:\Users\Aman\Documents\Visual Studio 2019\Projects\MVCShop), and 'Authentication' (None).

RouteConfig.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using System.Web.Routing;
namespace MVCEmp
{
    public class RouteConfig
    {
        public static void RegisterRoutes(RouteCollection routes)
        {
            routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
        }
    }
}
```

```
routes.IgnoreRoute("{resource}.axd/{*pathInfo}");
```

```
routes.MapRoute(
    name: "Default",
    url: "{controller}/{action}/{id}",
    defaults: new { controller = "Home", action =
    "Index", id = UrlParameter.Optional })
};
```

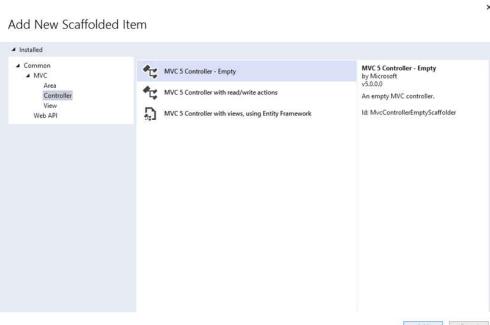
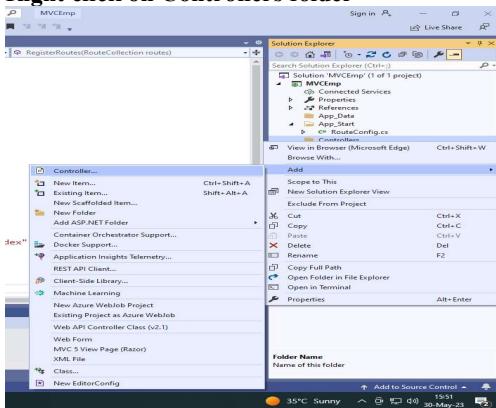
Right click on Models –add class-Employee –add Employee.cs

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

```
namespace MVCEmp.Models
```

```
{
    public class Employee
    {
        public int EmployeeId { get; set; }
        public string EmployeeName { get; set; }
        public string EmployeeLocation { get; set; }
    }
}
```

Right click on Controllers folder



Click on add



```
EmployeeController.cs
using MVCEmp.Models;
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
```

```
namespace MVCEmp.Controllers
```

```
{
    public class EmployeeController : Controller
    {

```

```
        // GET: Employee
```

```
        public ActionResult EmployeeInfo()
        {

```

```
            Employee employee = new Employee()
            {

```

```
                EmployeeId = 1001,

```

```
                EmployeeName = "Neha Lodhe",

```

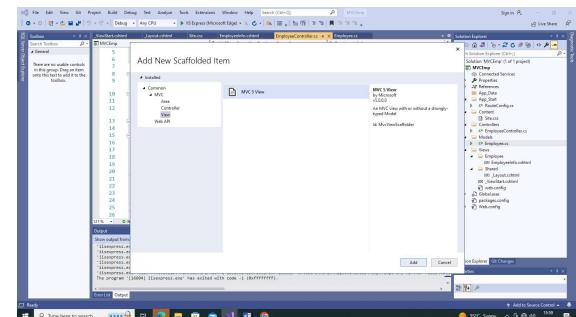
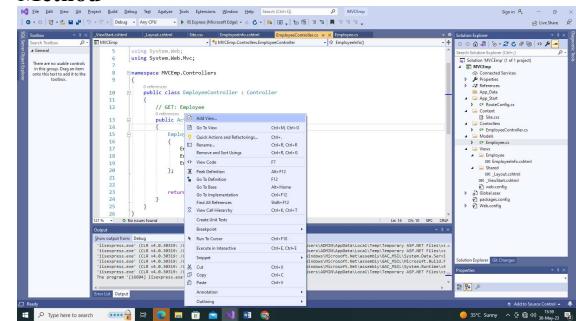
```
                EmployeeLocation = "Mumbai"
            };

```

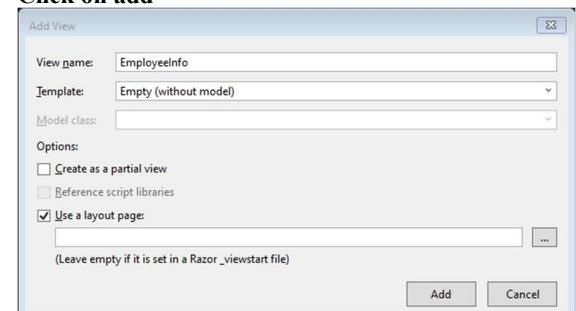
```

        return View(employee);
    }
}
```

Right click inside ActionResult EmployeeInfo() Method



Click on add



Click on Add

EmployeeInfo.cshtml

```
@model MVCEmp.Models.Employee
@{
    ViewBag.Title = "EmployeeInfo";
    Layout = "~/Views/Shared/_Layout.cshtml";
}
<style>
table {
    font-family: arial, sans-serif;
    border-collapse: collapse;
    width: 100%;
}

td, th {
    border: 1px solid #dddddd;
    text-align: left;
    padding: 8px;
}
</style>

<h2>EmployeeInfo</h2>

<table>
<tr>
<th>EmployeeId</th>
<th>EmployeeName</th>
<th>EmployeeLocation</th>
</tr>

<tr>
<td>@Model.EmployeeId</td>
<td>@Model.EmployeeName</td>
<td>@Model.EmployeeLocation</td>
</tr>
</table>
```

Build the application

Run EmployeeInfo.cshtml

Output:



MVC Employee Demo

EmployeeId	EmployeeName	EmployeeLocation
1001	Neha Lothe	Mumbai

© 2023 - Prof. Neha Lothe

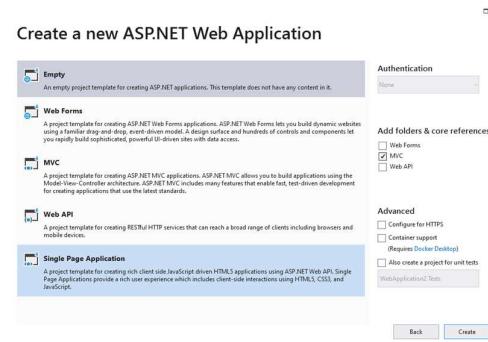
Practical 6.3

Aim: Design a form with data annotations for validation and display appropriate error messages for MVC based Customer Data Entry Application.

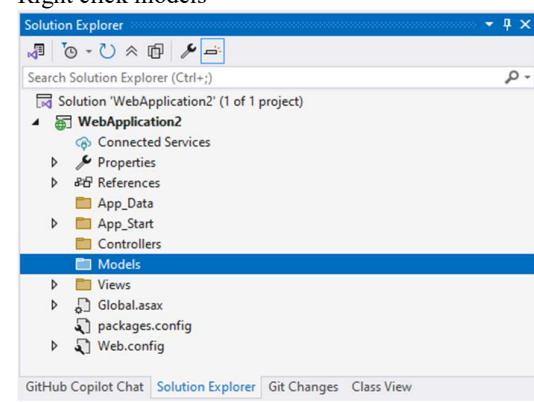
Code:

Select mvc and empty project and uncheck https

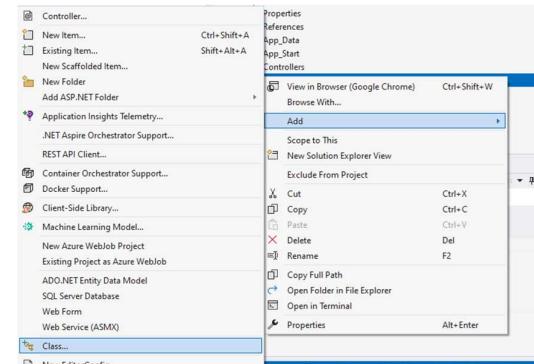
Create a new ASP.NET Web Application



Right click models



Click add > class



Rename file to Employee

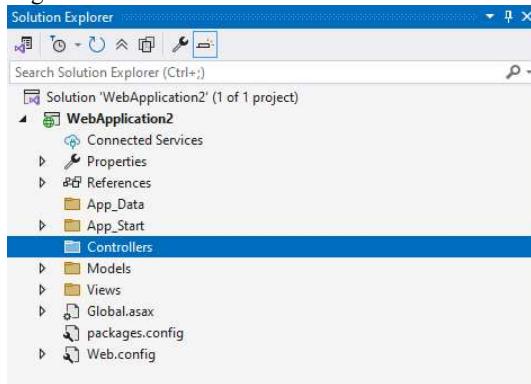


MCAL25 Advanced Web Technologies (AWT) Lab

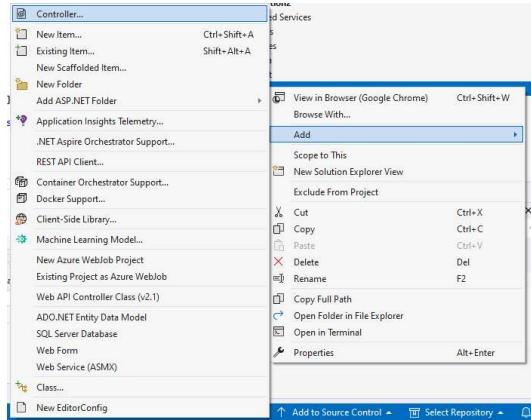
Add code in Employee.cs

```
namespace WebApplication2.Models
{
    public class Employee
    {
        public int EmployeeId { get; set; }
        public string EmployeeName { get; set; }
        public int EmployeeLocation { get; set; }
    }
}
```

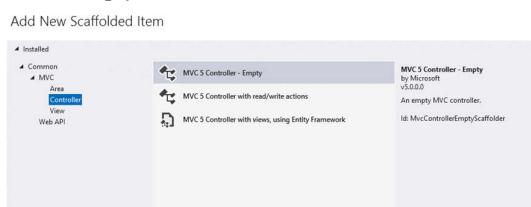
Right click on controller



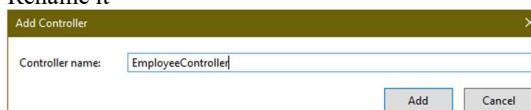
Add > controller



Select empty



Rename it



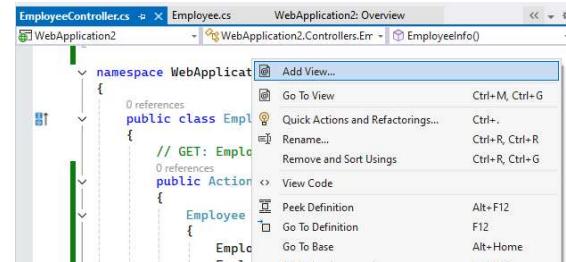
Add code in EmployeeController.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using WebApplication2.Models;
```

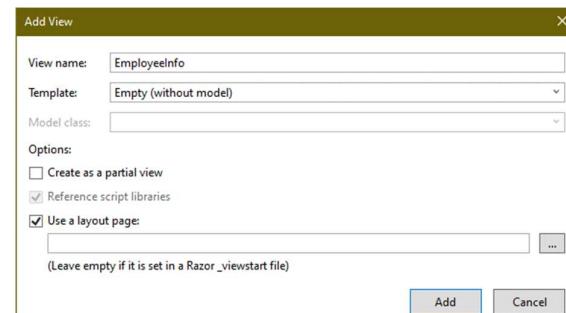
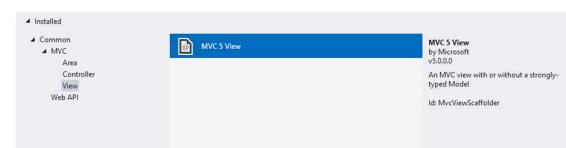
namespace WebApplication2.Controllers

```
{
    public class EmployeeController : Controller
    {
        // GET: Employee
        public ActionResult EmployeeInfo()
        {
            Employee employee = new Employee()
            {
                EmployeeId = 1001,
                EmployeeName = "Saurabh Gond",
                EmployeeLocation = "Titwala"
            };
            return View(employee);
        }
    }
}
```

Right click above return in empty space add > add view



Add New Scaffolded Item



Add Code EmployeeInfo.cshtml

```
@model WebApplication2.Models.Employee
 @{
    ViewBag.Title = "EmployeeInfo";
    Layout = "~/Views/Shared/_Layout.cshtml";
}

<h2>EmployeeInfo</h2>
<style>
    table{
        font-family:Arial,sans-serif;
        border-collapse: collapse;
        width: 100%;
    }
    td, th{
        border: 1px solid #dddddd;
        text-align: left;
        padding: 8px;
    }
</style>

<h2>EmployeeInfo</h2>
<table>
    <tr>
        <th>EmployeeId</th>
        <th>EmployeeName</th>
        <th>EmployeeLocation</th>
    </tr>
    <tr>
        <td>@Model.EmployeeId</td>
        <td>@Model.EmployeeName</td>
        <td>@Model.EmployeeLocation</td>
    </tr>
</table>
```

Output:

EmployeeId	EmployeeName	EmployeeLocation
1001	Saurabh Gond	Titwala

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