PRACTICAL 06

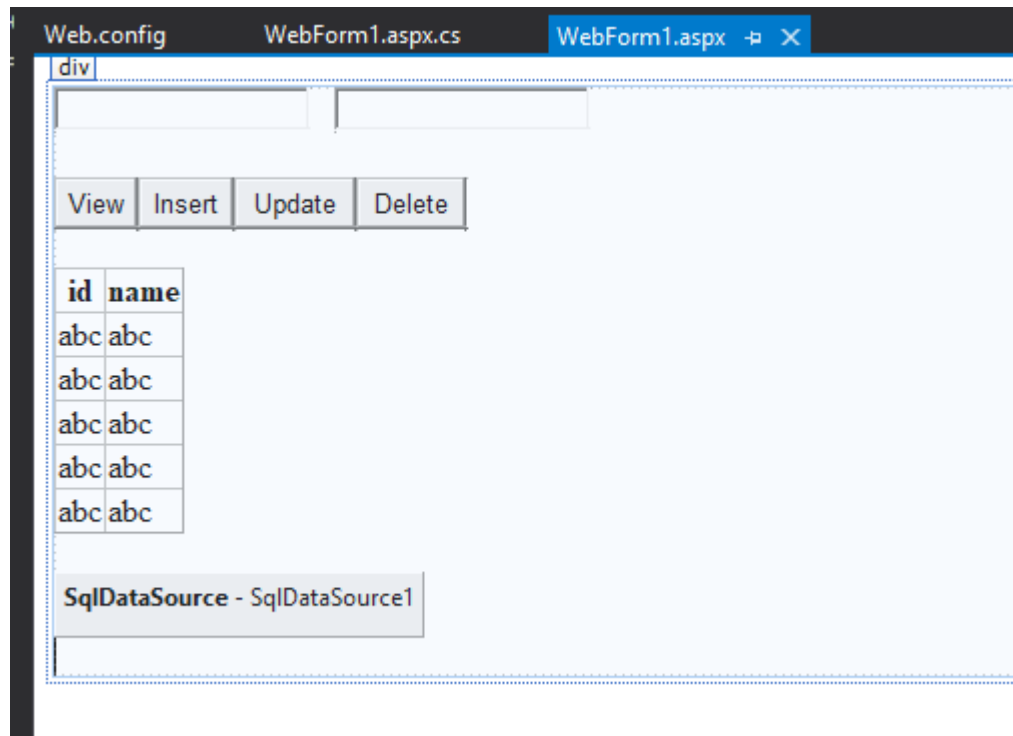**Aim:** **Create a web application for inserting and deleting records from a database.**

GUI:

Program Code:

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Prac6.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:TextBox ID="TextBox1" runat="server"></asp:TextBox>
  
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br />
<br />
<asp:Button ID="Button1" runat="server" Text="View" onClick="Button1_Click"/>
<asp:Button ID="Button2" runat="server" Text="Insert" onClick="Button2_Click"/>
<asp:Button ID="Button3" runat="server" Text="Update" onClick="Button3_Click"/>
<asp:Button ID="Button4" runat="server" Text="Delete" onClick="Button4_Click"/>
```

```
<br />
<br />
<asp:GridView ID="GridView1" runat="server" DataSourceID="SqlDataSource1"
AutoGenerateColumns="False" DataKeyNames="id">
<Columns>
<asp:BoundField DataField="id" HeaderText="id" ReadOnly="True"
SortExpression="id"></asp:BoundField>
<asp:BoundField DataField="name" HeaderText="name"
SortExpression="name"></asp:BoundField>
</Columns>
</asp:GridView>
<br />
<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:EmployeeDBConnectionString %>" SelectCommand="SELECT * FROM
[empdb]"></asp:SqlDataSource>
<br />
</div>
</form>
</body>
        </html>
```
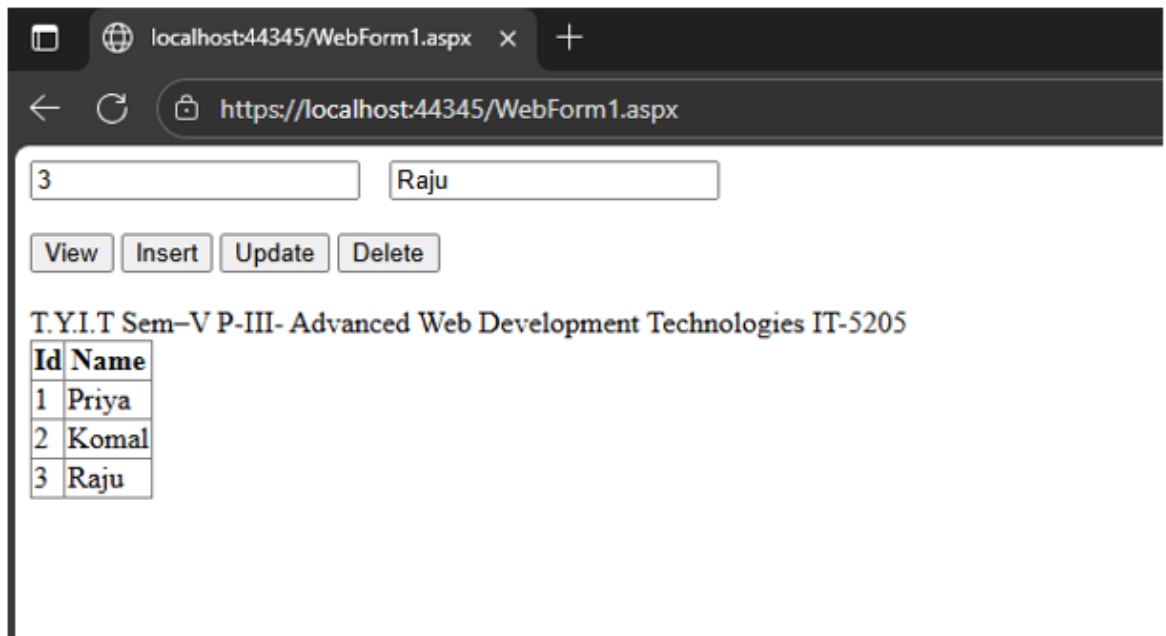
WebForm.aspx.cs

```csharp
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 PRAC6
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        SqlCommand co = new SqlCommand();
        SqlDataReader ds;
        SqlDataSource s = new SqlDataSource();
        protected void Page_Load(object sender, EventArgs e)
        {
            s.ConnectionString = "Data Source=COMP10\\TANVI;Initial Catalog = Demo;
Integrated Security = True; ";
        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            s.SelectCommand = "Select * from empdb";
            GridView1.DataBind();
        }
        protected void Button2_Click(object sender, EventArgs e)
        {
            SqlParameter p1 = new SqlParameter(), p2 = new SqlParameter();
            s.InsertParameters.Add("p1", System.Data.DbType.Int32, TextBox1.Text);
            s.InsertParameters.Add("p2", System.Data.DbType.String, TextBox2.Text);
        s.InsertCommand = "insert into empdb values(@p1,@p2);";
            s.Insert();
        }
        protected void Button3_Click(object sender, EventArgs e)
        {
```

```
        SqlParameter p1 = new SqlParameter(), p2 = new SqlParameter();
        s.UpdateParameters.Add("p2", System.Data.DbType.String, TextBox2.Text);
        s.UpdateParameters.Add("p1", System.Data.DbType.Int32, TextBox1.Text);
        s.UpdateCommand = "update empdb SET name=@p2 where Id=@p1;";
        s.Update();
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        SqlParameter p1 = new SqlParameter(), p2 = new SqlParameter();
        s.DeleteParameters.Add("p1", System.Data.DbType.Int32, TextBox1.Text);
        s.DeleteCommand = "delete empdb where Id=@p1;";
        s.Delete();
    }
}
    }
```
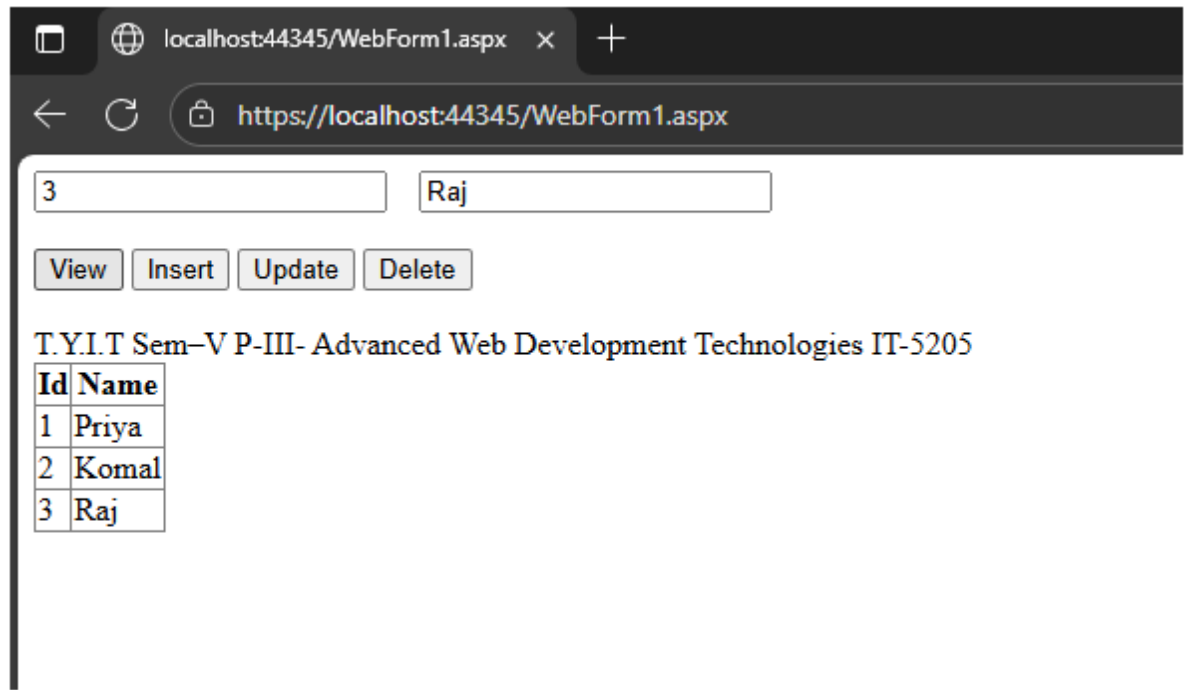
OUTPUT:

a) **INSERT**
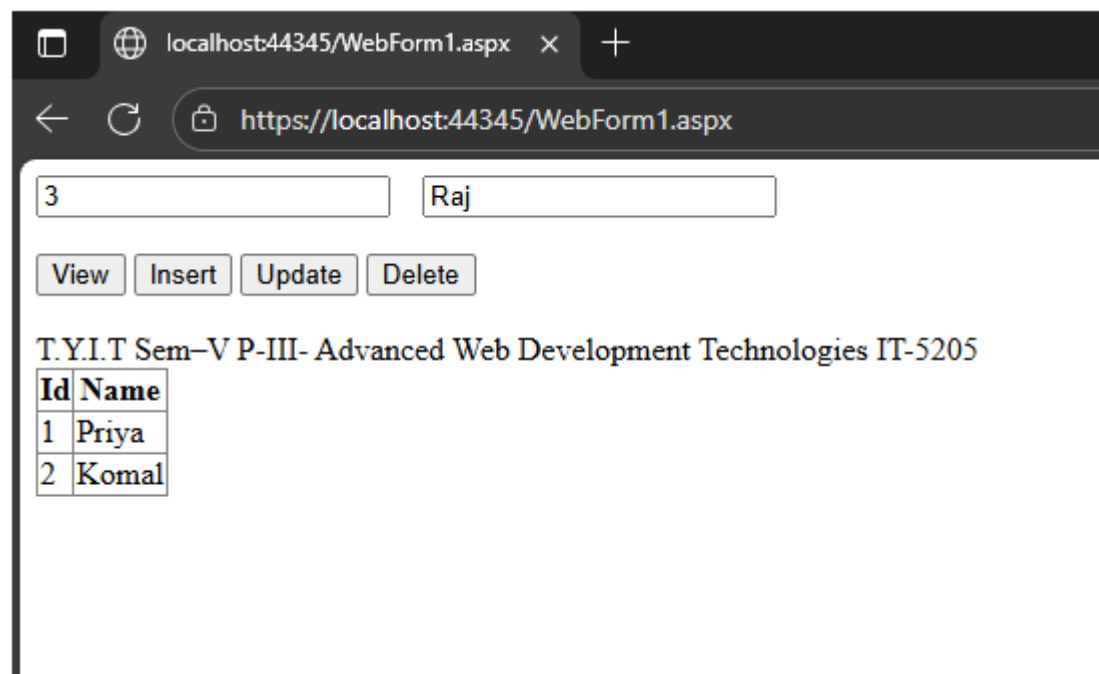
b) UPDATE

c) DELETE

Practical No 07

A) Create a web application to demonstrate the use of different types of Cookies.

GUI:

Program Code:

WebForm1.aspx

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

Inherits="testdb.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

    <title></title>

</head>

<body>

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

        <div>

            <div>

                <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label> <br /> <br /> <asp:Label
                ID="Label1" runat="server" Font-Bold="True" Text="Select the company"></asp:Label> <br
                /> <br /> <asp:CheckBox ID="Apple" runat="server" Text="Apple" /> <br /> <asp:CheckBox
```

ID="Dell" runat="server" Text="Dell" />
 <asp:CheckBox ID="Lenevo" runat="server" Text="Lenevo" />

 <asp:CheckBox ID="Acer" runat="server" Text="Acer" />

<asp:CheckBox ID="Sony" runat="server" Text="Sony" />
 <asp:CheckBox ID="Wipro" runat="server" Text="Wipro" />

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

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

        </div>

    </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 testdb
{
    public partial class WebForm1 : System.Web.UI.Page

    {

        protected void Page_Load(object sender, EventArgs e)

        {
```

```csharp
// Creating HttpCookie instance by name "creator"

HttpCookie c1 = new
HttpCookie("creator"); // Assigning
value to the created cookie c1.Value =
"5054- 5055";

// Adding Cookie to the response instance

Response.Cookies.Add(c1);

String author = Response.Cookies["creator"].Value;

Label2.Text = author;

//Second Cookie

Response.Cookies["comp"].Expires = DateTime.Now.AddDays(-1);
}

protected void Button1_Click(object sender, EventArgs e)

{

Label3.Text = "";
// Adding
Coockies-----// if
(Apple.Checked)

    Response.Cookies["comp"]["apple"] =
"apple"; if (Dell.Checked)

    Response.Cookies["comp"]["dell"] =
"dell"; if (Lenevo.Checked)

    Response.Cookies["comp"]["lenevo"] = "lenevo";

if(Acer.Checked)
    Response.Cookies["comp"]["acer"] = "acer";
if(Sony.Checked)

    Response.Cookies["comp"]["sony"] = "sony";
if(Wipro.Checked)

    Response.Cookies["comp"]["wipro"] = "wipro";

//Fetching Cookies
if(Request.Cookies["comp"].Values.ToString() != null)

{
    if(Request.Cookies["comp"]["apple"] != null)

      Label3.Text += Request.Cookies["comp"]["apple"] + "";
    if(Request.Cookies["comp"]["dell"] != null)
```

```
            Label3.Text += Request.Cookies["comp"]["dell"] + "";
        if(Request.Cookies["comp"]["lenevo"] != null)

            Label3.Text += Request.Cookies["comp"]["lenevo"] + "";
        if(Request.Cookies["comp"]["acer"] != null)

            Label3.Text += Request.Cookies["comp"]["acer"] + "";
        if(Request.Cookies["comp"]["sony"] != null)

            Label3.Text += Request.Cookies["comp"]["sony"] + "";
        if(Request.Cookies["comp"]["wipro"] != null)

            Label3.Text += Request.Cookies["comp"]["wipro"] + "";

    }

    elseLabel3.Text = "Please select your choice";

    Response.Cookies["comp"].Expires = DateTime.Now.AddDays(-1);
      }
   }
}
```
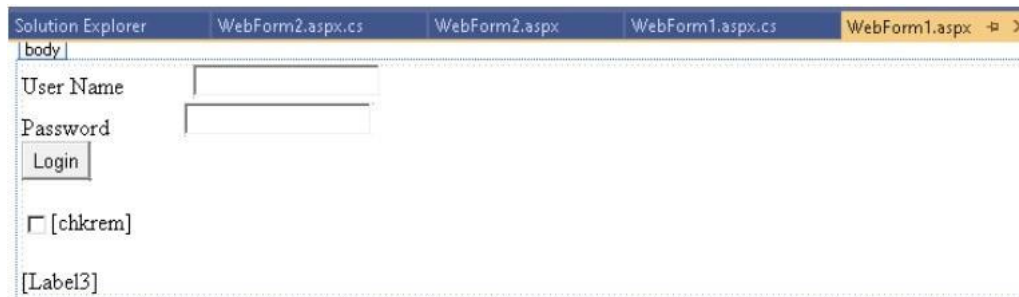
Output:
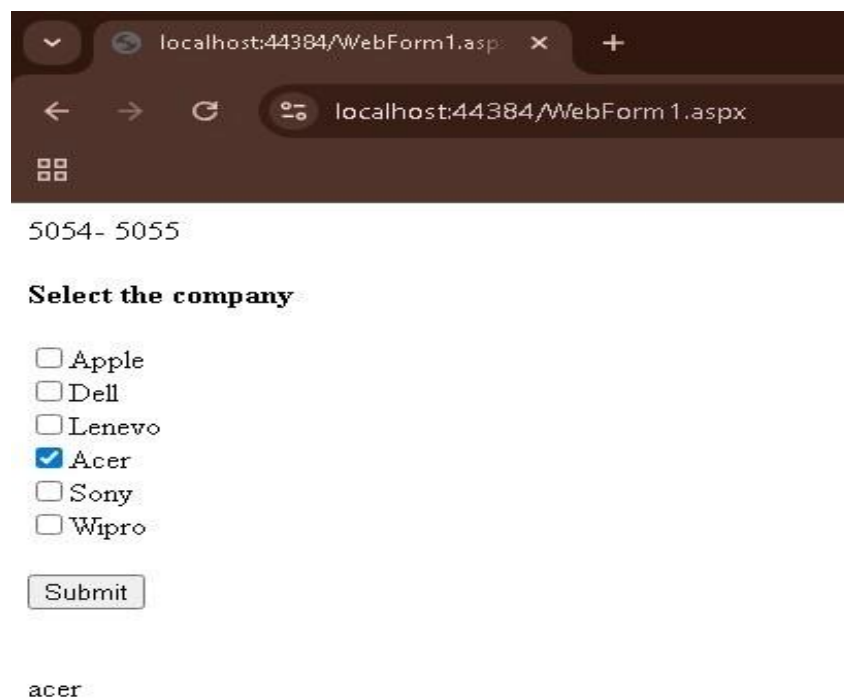
B) Create a web application to demonstrate Form Security and Windows Security with proper Authentication and Authorization properties.

Webform1:
GUI:

Program Code:

WebForm1.aspx

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

Inherits="prac7b.WebForm1" %>

<!DOCTYPE html>

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

        <head runat="server">

                <title></title>

        </head>
        <body>

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

                        <asp:Label ID="Label1" runat="server" Height="21px" Text="User
                        Name"

                                Width="117px"></asp:Label>

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

                        <br />

                        <asp:Label ID="Label2" runat="server" Height="19px"
                        Text="Password"

                        Width="111px"></asp:Label>

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

                        <br />

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

```
<asp:CheckBox ID="chkrem" runat="server" />

<br />

<div>

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

</form>

</body>

</html>
```

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

using System.Web.UI.WebControls; using
static
System.Net.Mime.MediaTypeNames;
namespace prac7b

{

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

        {

                protected void Page_Load(object sender, EventArgs e)

                { }

                protected bool authenticate(String uname, String pass)

                {

                        if (uname == "Yash")

                        {

                                if (pass == "yash123")

                                {

                                return true;

                                }

                        }

                        if (uname == "Ved")

                        {
```

```csharp
            if (pass == "ved123")

            {

            return true;

            }

        }

        if (uname == "Sam")

        {

            if (pass == "sam123")

            {

            return true;

            }

        }
        return
        false;

    }

    protected void Button1_Click(object sender, EventArgs e)

    {

        if (authenticate(TextBox1.Text, TextBox2.Text))

        {

        FormsAuthentication.RedirectFromLoginPage(TextBox1.Text,
        chkrem.Checked);

        Session["Username"] = TextBox1.Text;

        Response.Redirect("WebForm2.aspx");

        }

        else

        {

        Response.Write("Invalid user name or password");

        }

    }

    }

}
```

WebForm2
GUI:

Program Code:
WebForm2.aspx

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

Inherits="prac7b.WebForm2" %>

<!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"
                FontUnderline="True"></asp:Label>

                <br /> <br />

                <asp:Label ID="Label2" runat="server" Font-Bold="True" Text="Welcome to the
                programing world of

                ASP.NET"></asp:Label>

                </div>

        </form>

        </body>

</html>
```

WebForm2.aspx.cs

```
using System; using
System.Collections.Generic; using
System.Linq; using System.Web; using
System.Web.Security; using
System.Web.UI; using
System.Web.UI.WebControls; using static
```
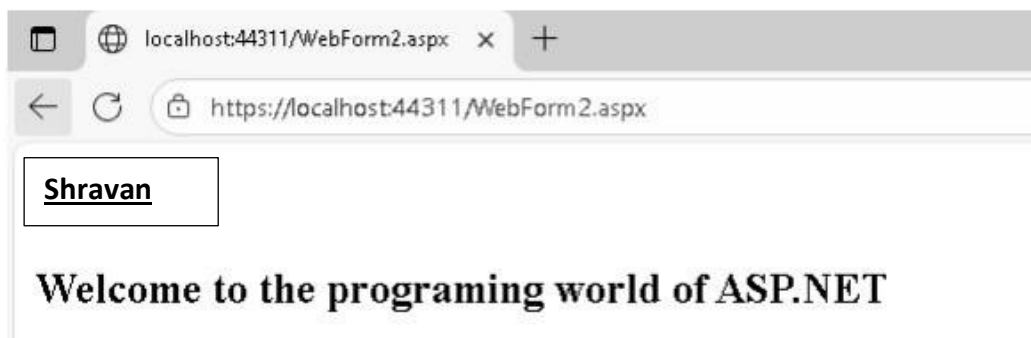
```
System.Net.Mime.MediaTypeNames;
namespace prac7b
{
        public partial class WebForm2 : System.Web.UI.Page
        {
                protected void Page_Load(object sender, EventArgs e)
                {
                        if (Session["Username"] != null)
                        {
                        //Response.Write(Session["Username"].ToString());
                        Label1.Text = Session["Username"].ToString();
                        }}}}
```

Output:
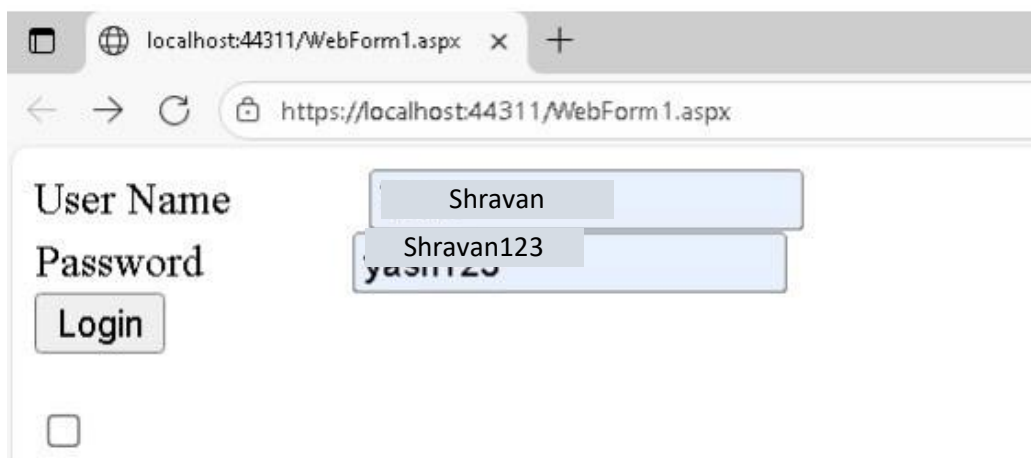
PRACTICAL 08

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

GUI:

Program Code:

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="practical8a.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="fname" runat="server" Text="Enter Customer First
Name"></asp:Label>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="lname" runat="server" Text="Enter Customer Last Name"></asp:Label>
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="city" runat="server" Text="Enter Customer City"></asp:Label>
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
<br />
```

```
<br />
<br />
<asp:Label ID="country" runat="server" Text="Enter Customer Country:"></asp:Label>
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
<br />
<br />
<asp:Label ID="phone" runat="server" Text="Enter Customer Phone"></asp:Label>
<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
<br />
<br />
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Insert Record"
/>
              &n
bsp;            &nbs
p;  
<asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Delete Record"
/>
<br />
<br />
<br />
<asp:Label ID="Label1" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>
```

WebForm.aspx.cs

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Configuration;
using System.Data.SqlClient;
using System.Drawing;
using System.Security.Policy;


namespace practical8a
{
    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 connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;

            SqlConnection con = new SqlConnection(connStr);

            string InsertQuery = "insert into customer values(@fname, @lname,
@city,country, @phone)";

            SqlCommand cmd = new SqlCommand(InsertQuery, con);
```

```csharp
            cmd.Parameters.AddWithValue("@fname", TextBox1.Text);

            cmd.Parameters.AddWithValue("@lname", TextBox2.Text);
            cmd.Parameters.AddWithValue("@city", TextBox3.Text);

            cmd.Parameters.AddWithValue("@country", TextBox4.Text);

            cmd.Parameters.AddWithValue("@phone", TextBox5.Text);



            Label1.Text = "Record Inserted Successfully.";

            con.Close();
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            string connStr =
ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;

            SqlConnection con = new SqlConnection(connStr);

            string InsertQuery = "delete from customer where FirstName=@fname";

            SqlCommand cmd = new SqlCommand(InsertQuery, con);

            cmd.Parameters.AddWithValue("@fname", TextBox1.Text);



            Label1.Text = "Record Deleted Successfully.";
            con.Close();
        }
    }
}
```

WebConfig

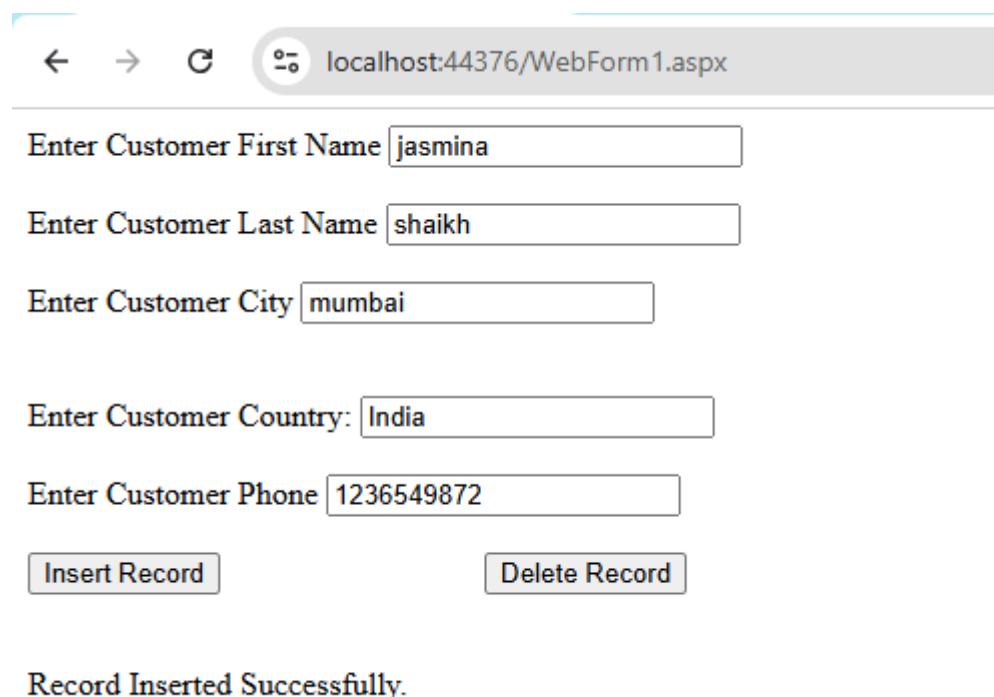```xml
<?xml version="1.0" encoding="utf-8"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  https://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
    <connectionStrings>
        <add name ="connStr"
               connectionString="Data Source=COMP10\TANVI;Initial
Catalog=employeedb;Integrated Security=True"
               providerName="System.Data.SqlClient"/>
    </connectionStrings>
  <system.web>
    <compilation debug="true" targetFramework="4.7.2" />
    <httpRuntime targetFramework="4.7.2" />
  </system.web>
  <system.codedom>
    <compilers>
      <compiler language="c#;cs;csharp" extension=".cs"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
```

```
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4"
compilerOptions="/langversion:default /nowarn:1659;1699;1701" />
      <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4"
compilerOptions="/langversion:default /nowarn:41008 /define:_MYTYPE=\&quot;Web\&quot;
/optionInfer+" />
    </compilers>
  </system.codedom>
</configuration>
```

OUTPUT:

← → C ⊙ localhost:44376/WebForm1.aspx

Enter Customer First Name [jasmina]

Enter Customer Last Name [shaikh]

Enter Customer City [mumbai]

Enter Customer Country: [India]

Enter Customer Phone [1236549872]

[Insert Record]   [Delete Record]

Record Deleted Successfully.

B) Create a web application for user defined exception handling.

GUI:
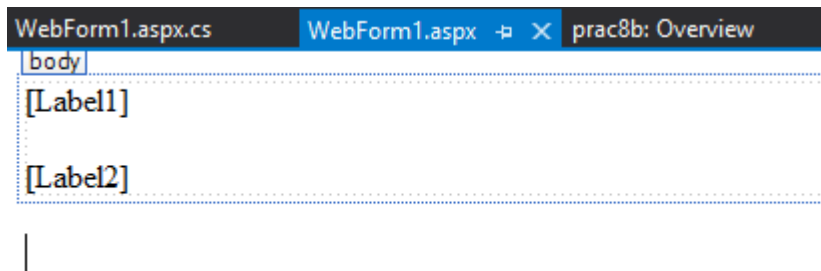
```
WebForm1.aspx.cs        WebForm1.aspx   ⊣ ✕   prac8b: Overview
 body
[Label1]

[Label2]

|
```

Program Code:

WebForm.aspx

```aspx
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac8b.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"></asp:Label>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server"></asp:Label>
        </div>
    </form>
</body>
</html>
```

WebForm.aspx.cs

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

namespace prac8b
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

            try
            {
                throw new UserDefinedException("New User Defined Exception");
```

```
        }

        catch (Exception ex)
        {
            Label1.Text = "Exception caught here" + ex.ToString();
        }
        Label2.Text = "Final Statement that is executed";
    }
    class UserDefinedException : Exception
    {
        public UserDefinedException(string str)
        {
            Console.WriteLine("User defined exception");
        }
    }
    class HandledException
    {
        public static void Main()
        {
        }
    }
  }
}
```

OUTPUT:

Exception caught hereprac8b.WebForm1+UserDefinedException: Exception of type 'prac8b.WebForm1+UserDefinedException' was thrown. at prac8b.WebForm1.Page_Load(Object sender, EventArgs e) in C:\Users\ITCS\source\repos\prac8b\prac8b\WebForm1.aspx.cs:line 17

Final Statement that is executed

Practical No 09
A) Create a web application to demonstrate use of GridView buttons column and GridView events along with paging and sorting.

GUI:
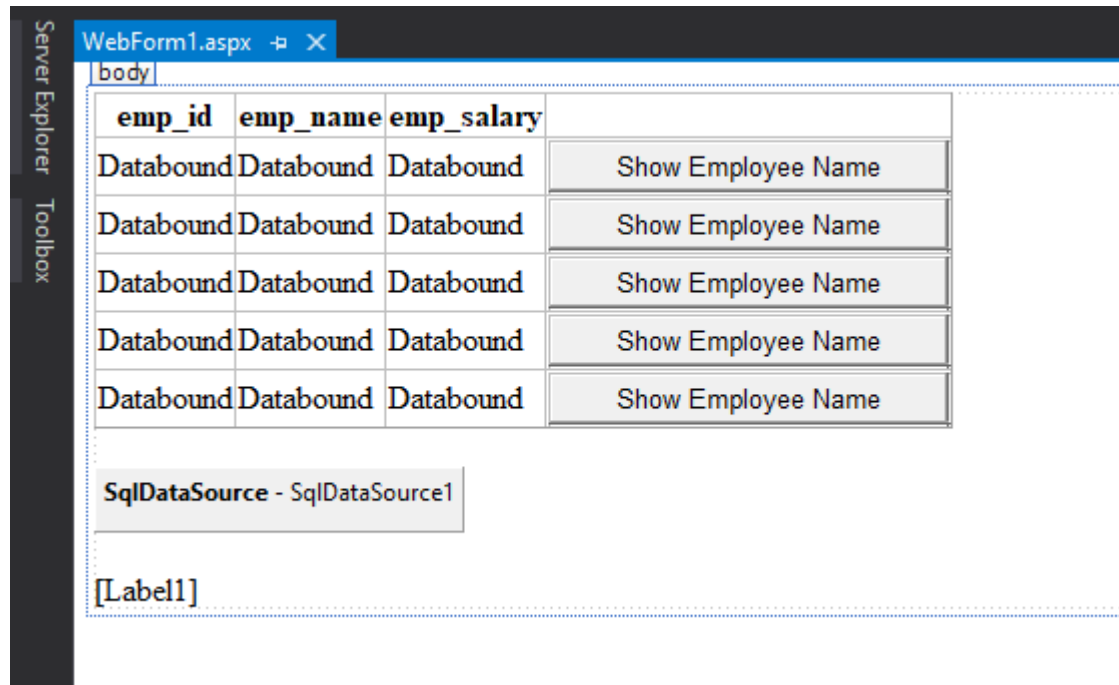
Program Code:

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="mansi.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:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
DataKeyNames="emp_id" DataSourceID="SqlDataSource1" OnRowCommand="GridView_1">
        <Columns>
          <asp:BoundField DataField="emp_id" HeaderText="emp_id" ReadOnly="True"
SortExpression="emp_id" />
          <asp:BoundField DataField="emp_name" HeaderText="emp_name"
SortExpression="emp_name" />
          <asp:BoundField DataField="emp_salary" HeaderText="emp_salary"
SortExpression="emp_salary" />
```

```
            <asp:ButtonField ButtonType="Button" CommandName="Show" Text="Show Employee
Name" />
        </Columns>
    </asp:GridView>
    <br />
    <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:employeedbConnectionString %>" SelectCommand="SELECT * FROM
[employee]"></asp:SqlDataSource>
    <br />
    <asp:Label ID="Label1" runat="server"></asp:Label>
    </div>
   </form>
</body>
</html>
```

WebForm.aspx.cs

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

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

        }


        protected void GridView_1(object sender, GridViewCommandEventArgs e)
        {
            {
                if (e.CommandName == "Show")
                {
                    int index = int.Parse(e.CommandArgument.ToString());
                    GridViewRow row = GridView1.Rows[index];
                    String name = row.Cells[1].Text;
                    Label1.Text = "Selected Employee name is " + name;
                }
            }
        }
    }
}
```
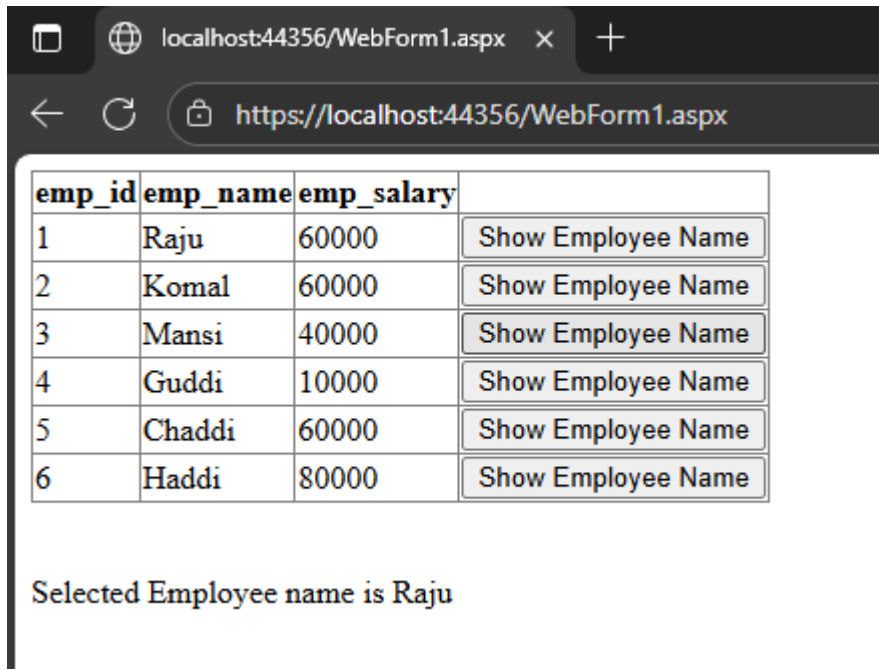
Web.Config

```xml
<configuration>
  <connectionStrings>
    <add name="employeedbConnectionString" connectionString="Data Source=COMP10\utfu;Initial
Catalog=employeedb;Integrated Security=True"
```

```xml
      providerName="System.Data.SqlClient" />
  </connectionStrings>
  <system.web>
    <compilation debug="true" targetFramework="4.7.2" />
    <httpRuntime targetFramework="4.7.2" />
  </system.web>
  <system.codedom>
    <compilers>
      <compiler language="c#;cs;csharp" extension=".cs"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default
/nowarn:1659;1699;1701" />
      <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default
/nowarn:41008 /define:_MYTYPE=\&quot;Web\&quot; /optionInfer+" />
    </compilers>
  </system.codedom>
</configuration>
```
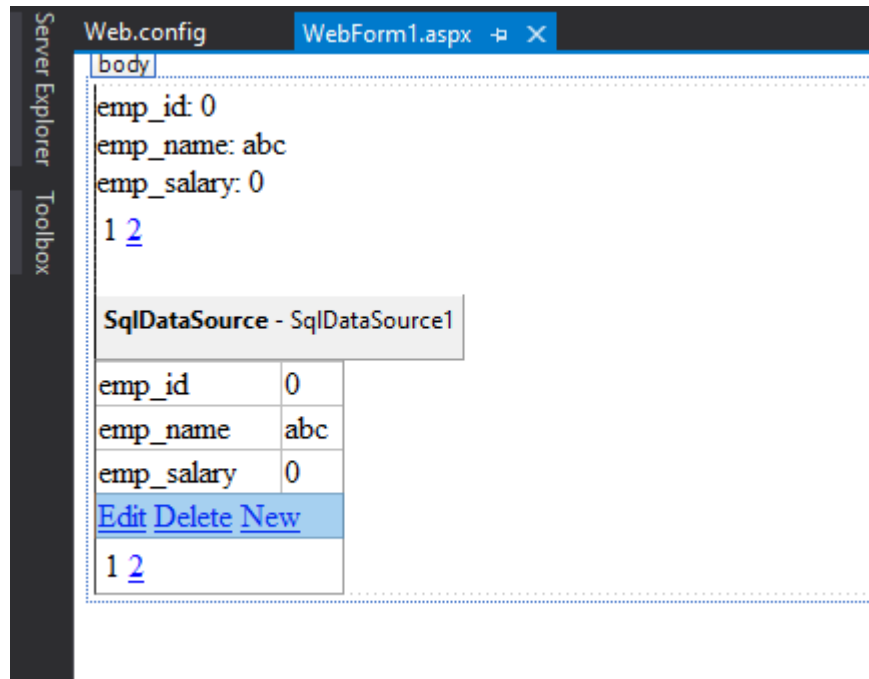
Output:

emp_id	emp_name	emp_salary	
1	Raju	60000	Show Employee Name
2	Komal	60000	Show Employee Name
3	Mansi	40000	Show Employee Name
4	Guddi	10000	Show Employee Name
5	Chaddi	60000	Show Employee Name
6	Haddi	80000	Show Employee Name

Selected Employee name is Raju

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

GUI:

Program Code:

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="pract9b.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:FormView ID="FormView1" runat="server" AllowPaging="True"
DataKeyNames="emp_id" DataSourceID="SqlDataSource1">
                <EditItemTemplate>
                    emp_id:
                    <asp:Label ID="emp_idLabel1" runat="server" Text='<%#
Eval("emp_id") %>' />
                    <br />
                    emp_name:
                    <asp:TextBox ID="emp_nameTextBox" runat="server" Text='<%#
Bind("emp_name") %>' />
                    <br />
                    emp_salary:
```

```
                    <asp:TextBox ID="emp_salaryTextBox" runat="server" Text='<%#
Bind("emp_salary") %>' />
                    <br />
                    <asp:LinkButton ID="UpdateButton" runat="server"
CausesValidation="True" CommandName="Update" Text="Update" />
                     <asp:LinkButton ID="UpdateCancelButton" runat="server"
CausesValidation="False" CommandName="Cancel" Text="Cancel" />
                </EditItemTemplate>
                <InsertItemTemplate>
                    emp_id:
                    <asp:TextBox ID="emp_idTextBox" runat="server" Text='<%#
Bind("emp_id") %>' />
                    <br />
                    emp_name:
                    <asp:TextBox ID="emp_nameTextBox" runat="server" Text='<%#
Bind("emp_name") %>' />
                    <br />
                    emp_salary:
                    <asp:TextBox ID="emp_salaryTextBox" runat="server" Text='<%#
Bind("emp_salary") %>' />
                    <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>
                    emp_id:
                    <asp:Label ID="emp_idLabel" runat="server" Text='<%#
Eval("emp_id") %>' />
                    <br />
                    emp_name:
                    <asp:Label ID="emp_nameLabel" runat="server" Text='<%#
Bind("emp_name") %>' />
                    <br />
                    emp_salary:
                    <asp:Label ID="emp_salaryLabel" runat="server" Text='<%#
Bind("emp_salary") %>' />
                    <br />

                </ItemTemplate>
            </asp:FormView>
            <br />
            <asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConflictDetection="CompareAllValues" ConnectionString="<%$
ConnectionStrings:employeedbConnectionString %>" DeleteCommand="DELETE FROM [employee]
WHERE [emp_id] = @original_emp_id AND (([emp_name] = @original_emp_name) OR
([emp_name] IS NULL AND @original_emp_name IS NULL)) AND (([emp_salary] =
@original_emp_salary) OR ([emp_salary] IS NULL AND @original_emp_salary IS NULL))"
InsertCommand="INSERT INTO [employee] ([emp_id], [emp_name], [emp_salary]) VALUES
(@emp_id, @emp_name, @emp_salary)" OldValuesParameterFormatString="original_{0}"
SelectCommand="SELECT * FROM [employee]" UpdateCommand="UPDATE [employee] SET
[emp_name] = @emp_name, [emp_salary] = @emp_salary WHERE [emp_id] = @original_emp_id
AND (([emp_name] = @original_emp_name) OR ([emp_name] IS NULL AND @original_emp_name
IS NULL)) AND (([emp_salary] = @original_emp_salary) OR ([emp_salary] IS NULL AND
@original_emp_salary IS NULL))">
                <DeleteParameters>
                    <asp:Parameter Name="original_emp_id" Type="Int32" />
                    <asp:Parameter Name="original_emp_name" Type="String" />
                    <asp:Parameter Name="original_emp_salary" Type="Int32" />
                </DeleteParameters>
                <InsertParameters>
```

```
                    <asp:Parameter Name="emp_id" Type="Int32" />
                    <asp:Parameter Name="emp_name" Type="String" />
                    <asp:Parameter Name="emp_salary" Type="Int32" />
                </InsertParameters>
                <UpdateParameters>
                    <asp:Parameter Name="emp_name" Type="String" />
                    <asp:Parameter Name="emp_salary" Type="Int32" />
                    <asp:Parameter Name="original_emp_id" Type="Int32" />
                    <asp:Parameter Name="original_emp_name" Type="String" />
                    <asp:Parameter Name="original_emp_salary" Type="Int32" />
                </UpdateParameters>
            </asp:SqlDataSource>
            <asp:DetailsView ID="DetailsView1" runat="server" AllowPaging="True"
AutoGenerateRows="False" DataKeyNames="emp_id" DataSourceID="SqlDataSource1"
Height="50px" Width="125px">
                <Fields>
                    <asp:BoundField DataField="emp_id" HeaderText="emp_id"
ReadOnly="True" SortExpression="emp_id" />
                    <asp:BoundField DataField="emp_name" HeaderText="emp_name"
SortExpression="emp_name" />
                    <asp:BoundField DataField="emp_salary" HeaderText="emp_salary"
SortExpression="emp_salary" />
                    <asp:CommandField HeaderText=" Employee ID"
ShowDeleteButton="True" ShowEditButton="True" ShowInsertButton="True" />
                </Fields>
            </asp:DetailsView>
        </div>
    </form>
</body>
</html>
```
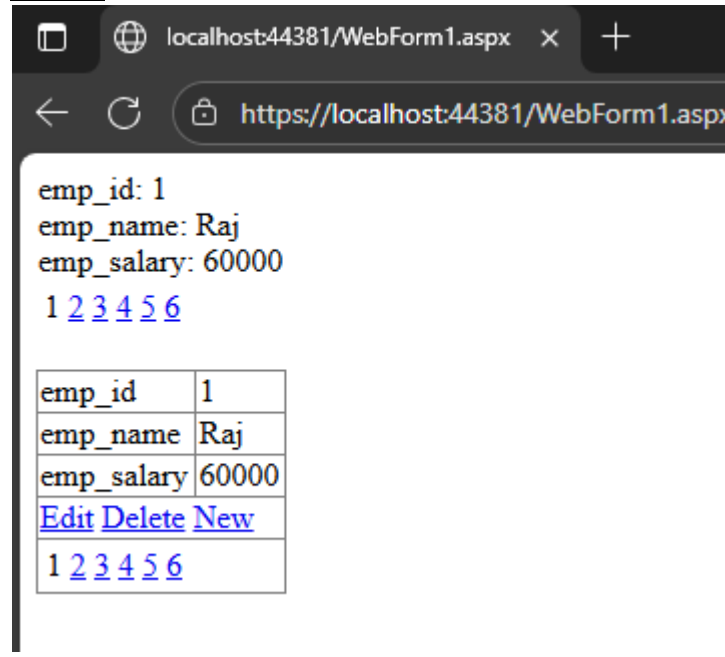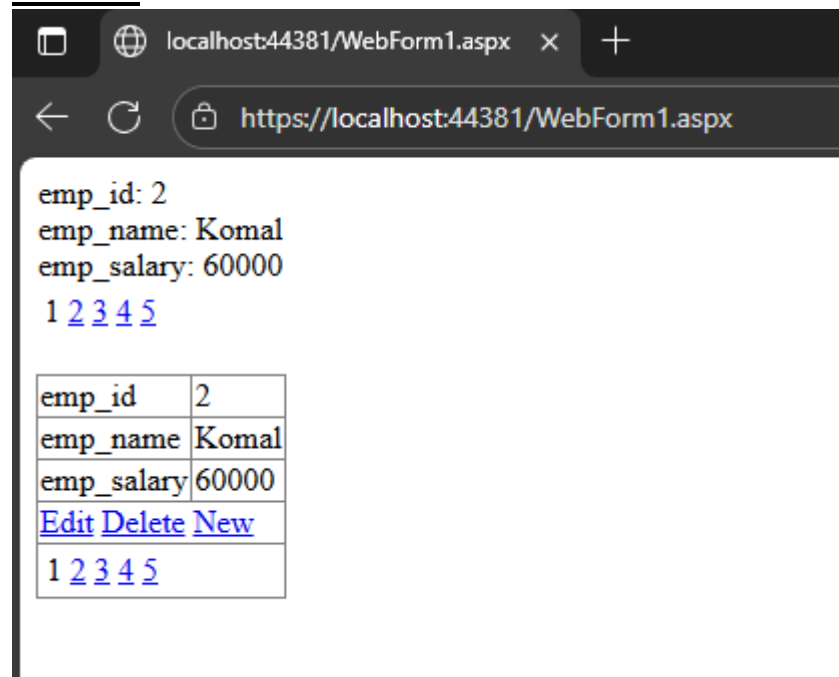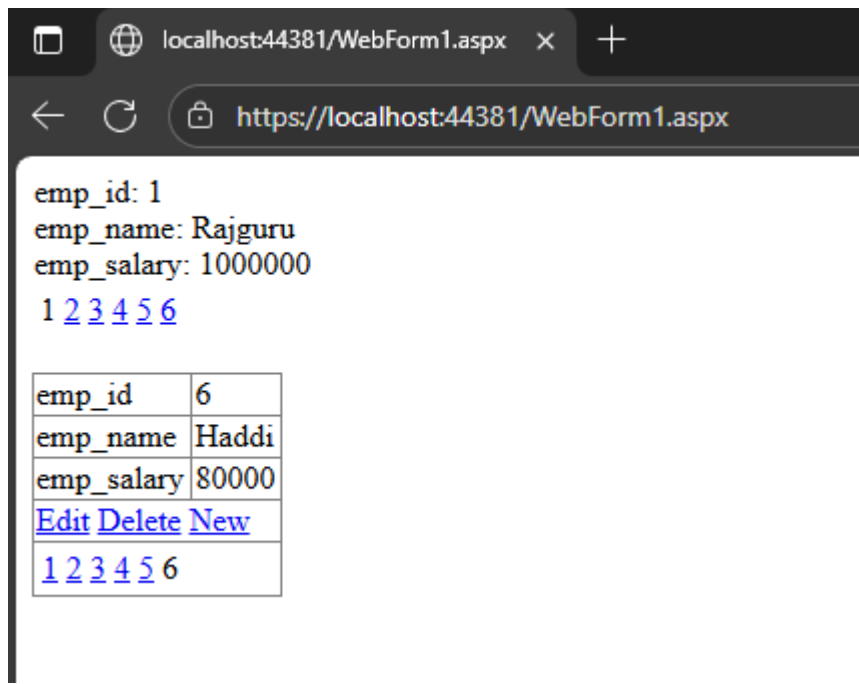
Web.config
```
<?xml version="1.0" encoding="utf-8"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  https://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
      <connectionStrings>
  <add name="employeeConnectionString" connectionString="Data
Source=COMP10\utfu;Initial Catalog=employee;Integrated Security=True" />
  <add name="employeedbConnectionString" connectionString="Data
Source=COMP10\utfu;Initial Catalog=employeedb;Integrated Security=True"
   providerName="System.Data.SqlClient" />
 </connectionStrings>
  <system.web>
    <compilation debug="true" targetFramework="4.7.2" />
    <httpRuntime targetFramework="4.7.2" />
  </system.web>
  <system.codedom>
    <compilers>
      <compiler language="c#;cs;csharp" extension=".cs"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4"
compilerOptions="/langversion:default /nowarn:1659;1699;1701" />
      <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4"
```
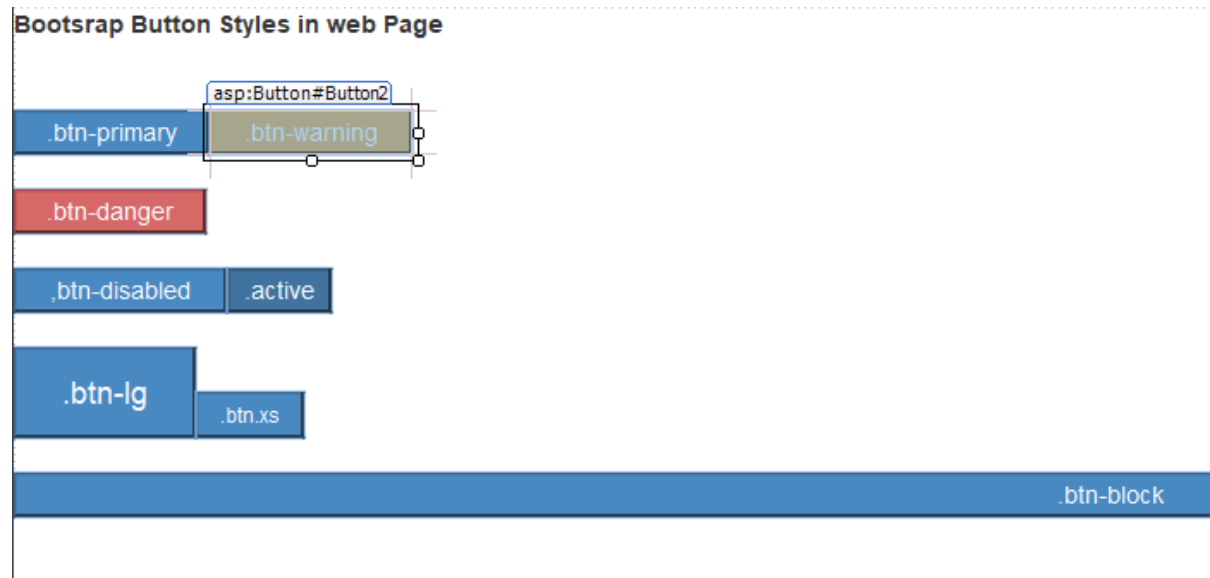
```
compilerOptions="/langversion:default /nowarn:41008 /define:_MYTYPE=\&quot;Web\&quot;
/optionInfer+" />
    </compilers>
  </system.codedom>
</configuration>
```

Output:

A: Edit

B: Delete

C: New

emp_id: 1
emp_name: Rajguru
emp_salary: 1000000
 1 2 3 4 5 6

emp_id	6
emp_name	Haddi
emp_salary	80000
Edit Delete New	
1 2 3 4 5 6	

PRACTICAL 10

A) Create a web application to demonstrate JS Bootstrap Button

GUI:

Program Code:

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac10a.WebForm1" %>

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
<title>Bootstrap example</title>
<meta charset="utf-8"/>
<meta name="viewport" content="width=device-width, initial-scale=1"/>
<link rel="stylesheet" href=
"https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css"/>
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js">
</script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js">
</script>
</head>
<body>
<form id="form1" runat="server">
<div>
<strong>Bootsrap Button Styles in web Page<br />
<br />
</strong>
</div>
<asp:Button ID="Button1" runat="server" CssClass="btn-primary" Text=".btn-primary" />
<asp:Button ID="Button2" runat="server" CssClass="btn-warning" Text=".btn-warning" />
<br />
<br />
```

```
<asp:Button ID="Button4" runat="server" CssClass="btn-danger" Text=".btn-danger"
Width="112px" />
<br />
<br />
<asp:Button ID="Button5" runat="server" CssClass="btn-primary disabled" Text=",btn-
disabled" />
<asp:Button ID="Button6" runat="server" CssClass="btn-primary active" Text=".active"
/>
<br />
<br />
<asp:Button ID="Button7" runat="server" CssClass="btn-primary btn-lg" Text=".btn-lg"
/>
<asp:Button ID="Button8" runat="server" Text=".btn.xs" CssClass="btn-primary btn-xs"
/>
<br />
<br />
<asp:Button ID="Button9" runat="server" Text=".btn-block" CssClass="btn-primary btn-
block" />
</form>
</body>
</html>
```

OUTPUT:
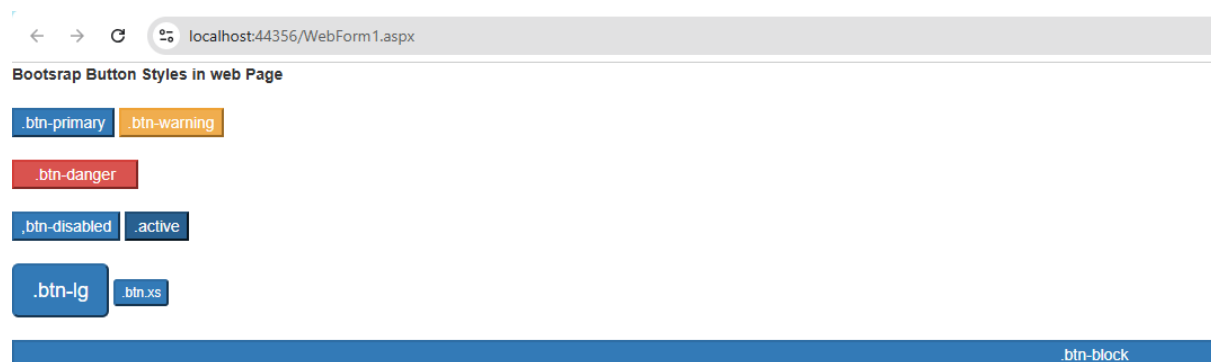
B) Create a web application to demonstrate use of various Ajax controls.

GUI:
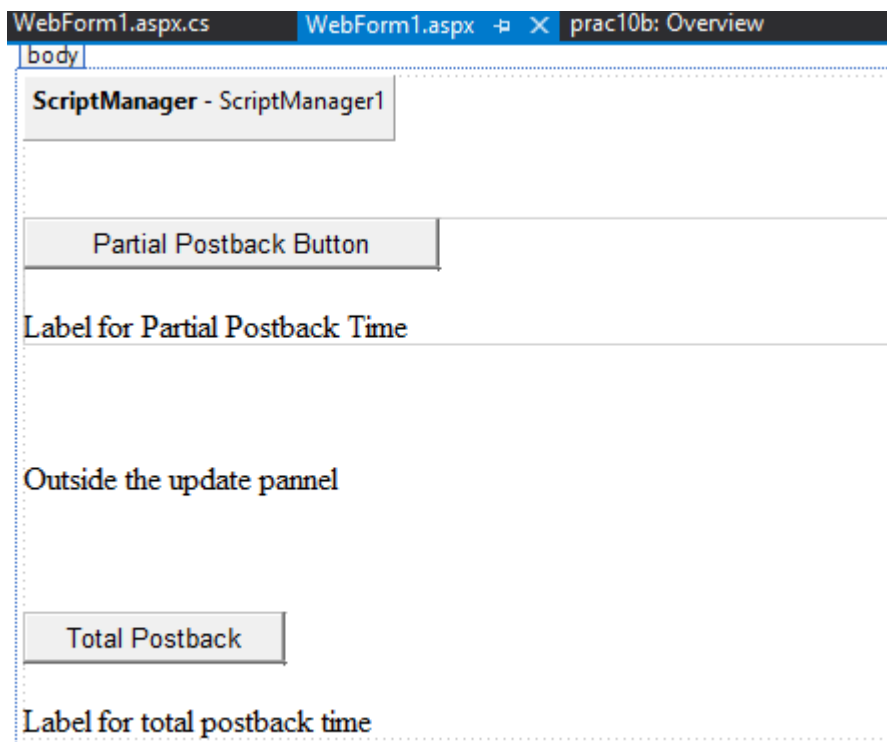
Program Code:

WebForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac10b.WebForm1" %>

<!DOCTYPE html>
    <html>
    <head runat="server">
    <title></title>
    </head>
    <body>
    <form id="form1" runat="server">
    <div>
    <asp:ScriptManager ID="ScriptManager1" runat="server">
    </asp:ScriptManager>
    <br />
    <br />
    <asp:UpdatePanel ID="UpdatePanel1" runat="server">
    <ContentTemplate>
```

```
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Partial
Postback Button" />
<br />
<br />
<asp:Label ID="Label1" runat="server" Text="Label for Partial Postback
Time"></asp:Label>
</ContentTemplate>
</asp:UpdatePanel>
</div>
<p>
 </p>
<p>
<asp:Label ID="Label3" runat="server" Text="Outside the update pannel"></asp:Label>
</p>
<p>
 </p>
<asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Total
Postback" />
<br />
<br />
<asp:Label ID="Label2" runat="server" Text="Label for total postback
time"></asp:Label>
</form>
</body>
</html>
```

WebForm.aspx.cs

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

namespace prac10b
{
    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 time = DateTime.Now.ToLongTimeString();

            Label1.Text = "Showing time from panel" + time;
```
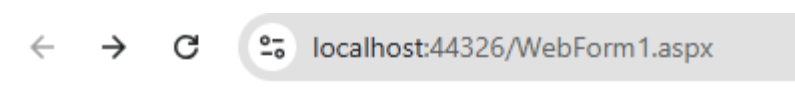
```
        Label2.Text = "Showing time from outside" + time;
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        string time = DateTime.Now.ToLongTimeString();
        Label1.Text = "Showing time from panel" + time;

        Label2.Text = "Showing time from outside" + time;
    }
}
}
```
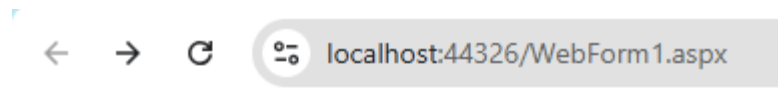
OUTPUT:

← → C ⊙ localhost:44326/WebForm1.aspx

Partial Postback Button

Label for Partial Postback Time

Outside the update pannel

Total Postback

Label for total postback time

← → C   localhost:44326/WebForm1.aspx
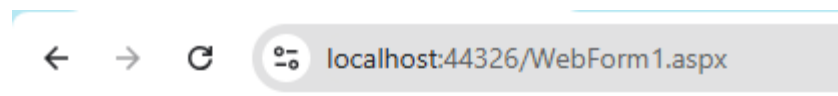
Partial Postback Button

Showing time from panel11:18:57

Outside the update pannel

Total Postback

Label for total postback time

← → C   localhost:44326/WebForm1.aspx

Partial Postback Button

Showing time from panel11:19:09

Outside the update pannel

Total Postback

Showing time from outside11:19:09