

Name: Rutvik Redkar

Roll no: 90

ASSIGNMENT - 2 DATABASE PROGRAMMING IN ASP.NET

1. Write a program to demonstrate insert and select operation in connected architecture with ADO.NET objects.

Aim : Write a program to demonstrate insert and select operation in connected architecture with ADO.NET objects.

Objective : To demonstrate insert and select operation in connected architecture with ADO.NET objects.

Code :

WebForm1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"  
Inherits="Assignment2_1.WebForm1" %>
```

```
<!DOCTYPE html>
```

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

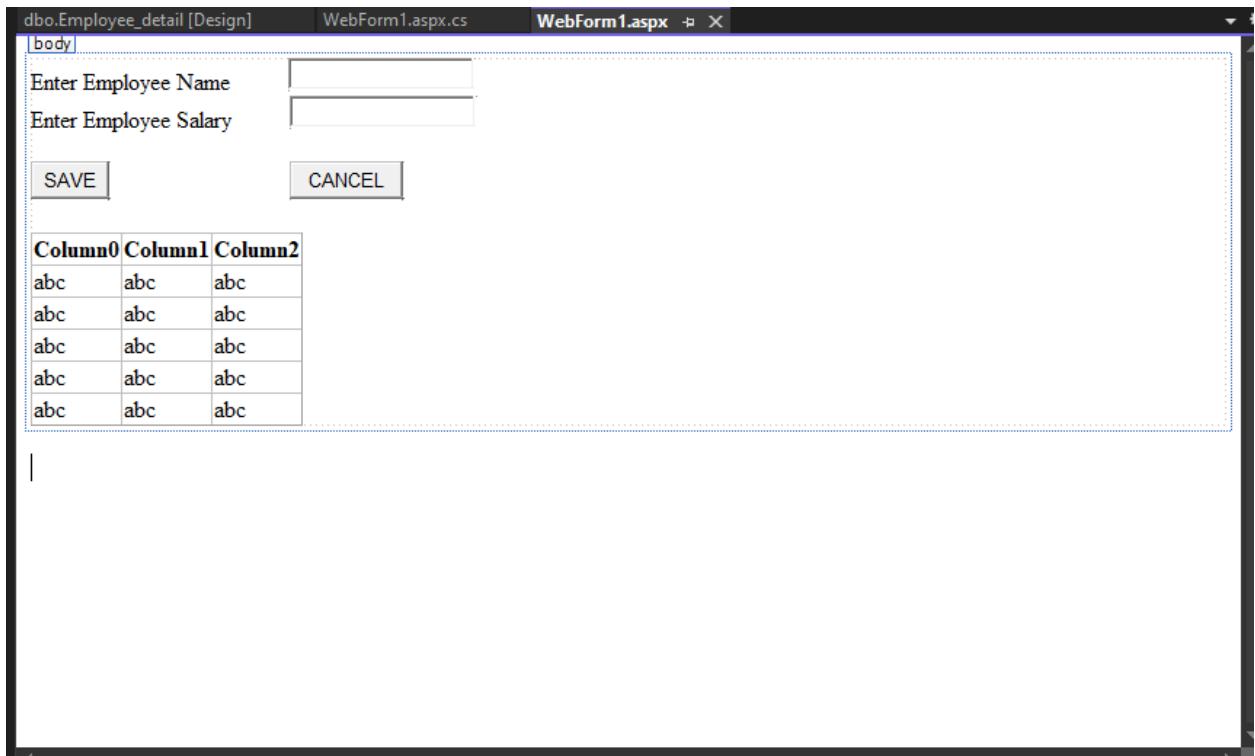
WebForm1.aspx.cs

```
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;

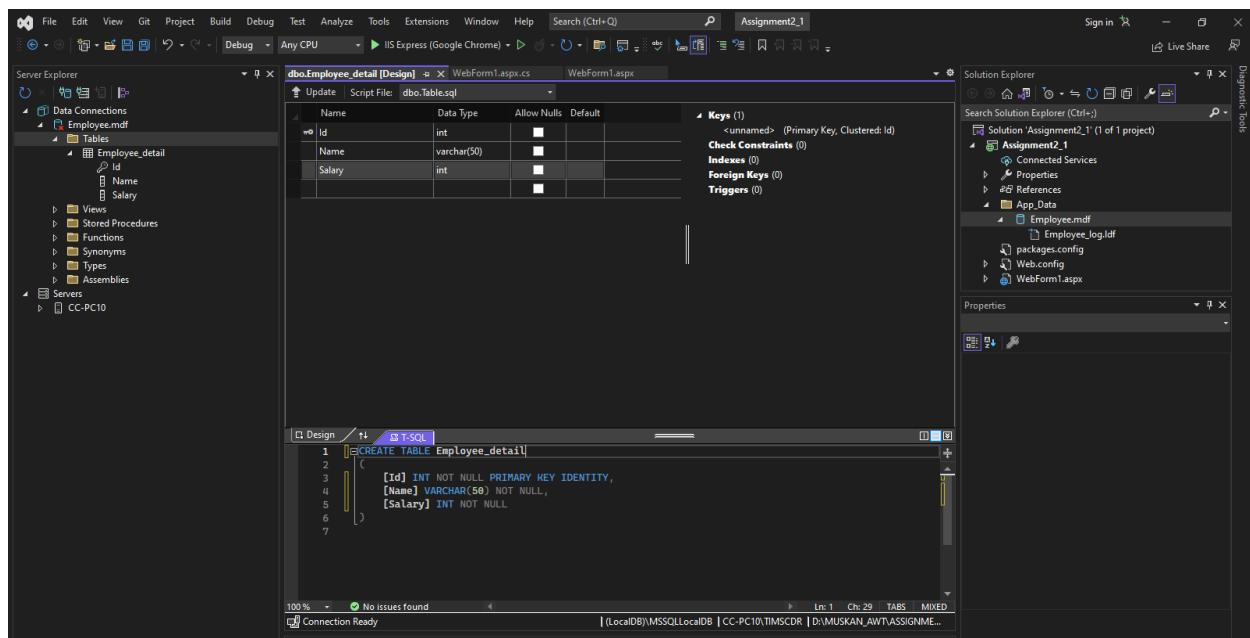
namespace Assignment2_1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        SqlConnection connection = null;
        protected void Page_Load(object sender, EventArgs e)
        {
            connection = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=D:\Muskan_AWT\Assignment
2_1\App_Data\Employee.mdf;Integrated Security=True");
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            connection.Open();
            SqlCommand cmd = new SqlCommand("insert      into
Employee_Detail(Name,Salary) " +
                "values('" + TextBox1.Text + "','" +
                int.Parse(TextBox2.Text) + "')", connection);
            int result = cmd.ExecuteNonQuery();
            if (result > 0) {
                Response.Write("Data Saved Successfully");
                SqlCommand cmd1 = new SqlCommand("select      *      from
Employee_Detail", connection);
                SqlDataReader dr = cmd1.ExecuteReader();
                GridView1.DataSource = dr;
                GridView1.DataBind();
                TextBox1.Text = string.Empty;
                TextBox2.Text = string.Empty;
            }
        }
    }
}
```

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Employee.mdf



Output :

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The screenshots show a sequence of four web form submissions:

- Screenshot 1:** The first submission. The page displays fields for "Enter Employee Name" (Muskan) and "Enter Employee Salary" (50000). Below the form are "SAVE" and "CANCEL" buttons.
- Screenshot 2:** The second submission. A success message "Data Saved Successfully" is displayed above the form. The "Enter Employee Name" field is empty, and the "Enter Employee Salary" field contains "50000". The "SAVE" and "CANCEL" buttons are present.
- Screenshot 3:** The third submission. The "Enter Employee Name" field is populated with "Neelu", and the "Enter Employee Salary" field contains "50000". The "SAVE" and "CANCEL" buttons are present.
- Screenshot 4:** The fourth submission. A success message "Data Saved Successfully" is displayed above the form. The "Enter Employee Name" field is empty, and the "Enter Employee Salary" field contains "50000". The "SAVE" and "CANCEL" buttons are present.

Data Tables:

- Screenshot 1 & 2:** Shows a table with one row:

Id	Name	Salary
1	Muskan	50000
- Screenshot 3 & 4:** Shows a table with two rows:

Id	Name	Salary
1	Muskan	50000
2	Neelu	50000

2. Write a program to demonstrate update and delete operation in connected architecture using ADO.NET objects.

Aim : Write a program to demonstrate update and delete operation in connected architecture using ADO.NET objects.

Objective : To demonstrate update and delete operation in connected architecture using ADO.NET objects.

Code :

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Product.mdf:

	Id	Name	Price
▶	2	Soap	40
	3	Colgate	50
	4	AC	25000
	5	Fan	5000
	6	Light	200
	7	Laptop	45000
	NULL	NULL	NULL

Product_dao_Design:

dbo.Product_detail [Design]				Product1.aspx.cs	Product1.aspx	Assign2_2: Overview
				Update	Script File: dbo.Product_detail.sql	
Name	Data Type	Allow Nulls	Default	Keys (1)		
Id	int	<input checked="" type="checkbox"/>		<unnamed>	(Primary Key, Clustered: Id)	
Name	varchar(50)	<input checked="" type="checkbox"/>		Check Constraints	(0)	
Price	int	<input checked="" type="checkbox"/>		Indexes	(0)	
		<input checked="" type="checkbox"/>		Foreign Keys	(0)	
		<input checked="" type="checkbox"/>		Triggers	(0)	

Product.aspx:

body

Select Product	Unbound ▾
Id:	<input type="text"/>
Name:	<input type="text"/>
Price:	<input type="text"/>
<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Product.aspx.cs:

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

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

namespace Assign2_2
{
    public partial class Product1 : System.Web.UI.Page
    {
        SqlConnection conn= new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\TIMSCDR\source\re
pos\Assign2_2\Assign2_2\App_Data\Product.mdf;Integrated Security=True");
        
        protected void Page_Load(object sender, EventArgs e)
        {
            conn.Open();
            if (!Page.IsPostBack)
            {
                BindData();
            }
        }

        private void BindData()
        {
            SqlCommand cmd = new SqlCommand("Select * from Product_detail",conn);
            SqlDataReader dr= cmd.ExecuteReader();
            DropDownList1.DataSource = dr;
            DropDownList1.DataTextField = "Name";
            DropDownList1.DataValueField = "Id";
            DropDownList1.DataBind();
        }
    }
}
```

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}

```
protected void Button1_Click(object sender, EventArgs e)
{
    SqlCommand cmd = new SqlCommand(" Update Product_detail      set
Name='"+TextBox2.Text+ " ", Price= "+int.Parse(TextBox3.Text) +" where Id= "
+int.Parse(TextBox1.Text), conn);
    cmd.ExecuteNonQuery();
    TextBox1.Text = " ";
    TextBox2.Text = " ";
    TextBox3.Text = " ";
    BindData();
}
```

```
protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    SqlCommand cmd = new SqlCommand("Select * from Product_detail where
Id="+int.Parse(DropDownList1.SelectedValue.ToString()), conn);
    SqlDataReader dr = cmd.ExecuteReader();
    dr.Read();
    TextBox1.Text = dr[0].ToString();
    TextBox2.Text = dr[1].ToString();
    TextBox3.Text = dr[2].ToString();
}
```

```
protected void Button2_Click(object sender, EventArgs e)
{
    SqlCommand cmd = new SqlCommand("Delete from Product_detail where Id= "
+ int.Parse(TextBox1.Text), conn);
```

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```
cmd.ExecuteNonQuery();  
TextBox1.Text = " ";  
TextBox2.Text = " ";  
TextBox3.Text = " ";  
BindData();  
  
}  
}  
}
```

Output :

Colgate Update:

Select Product	<input type="button" value="Colgate ▾"/>
Id:	<input type="text" value="3"/>
Name:	<input type="text" value="Colgate"/>
Price:	<input type="text" value="70"/>
<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Select Product	<input type="button" value="Colgate ▾"/>
Id:	<input type="text" value="3"/>
Name:	<input type="text" value="Colgate"/>
Price:	<input type="text" value="100"/>
<input type="button" value="Update"/>	<input type="button" value="Delete"/>

Colgate Deleted:

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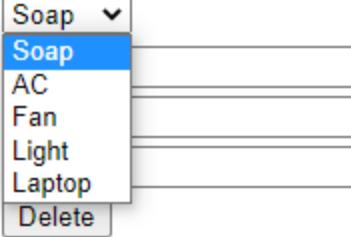
Select Product

Id:

Name:

Price:

Update



The screenshot shows a Windows application window titled "Select Product". On the left, there are four text input fields labeled "Id:", "Name:", "Price:", and an "Update" button. To the right of these is a dropdown menu with the following options: Soap, AC, Fan, Light, Laptop, and Delete. The option "Soap" is highlighted with a blue selection bar.

3. Write a program to demonstrate insert and select, update and delete operation in disconnected architecture with ADO.NET objects.

Aim :Write a program to demonstrate insert and select operation in disconnected architecture with ADO.NET objects.

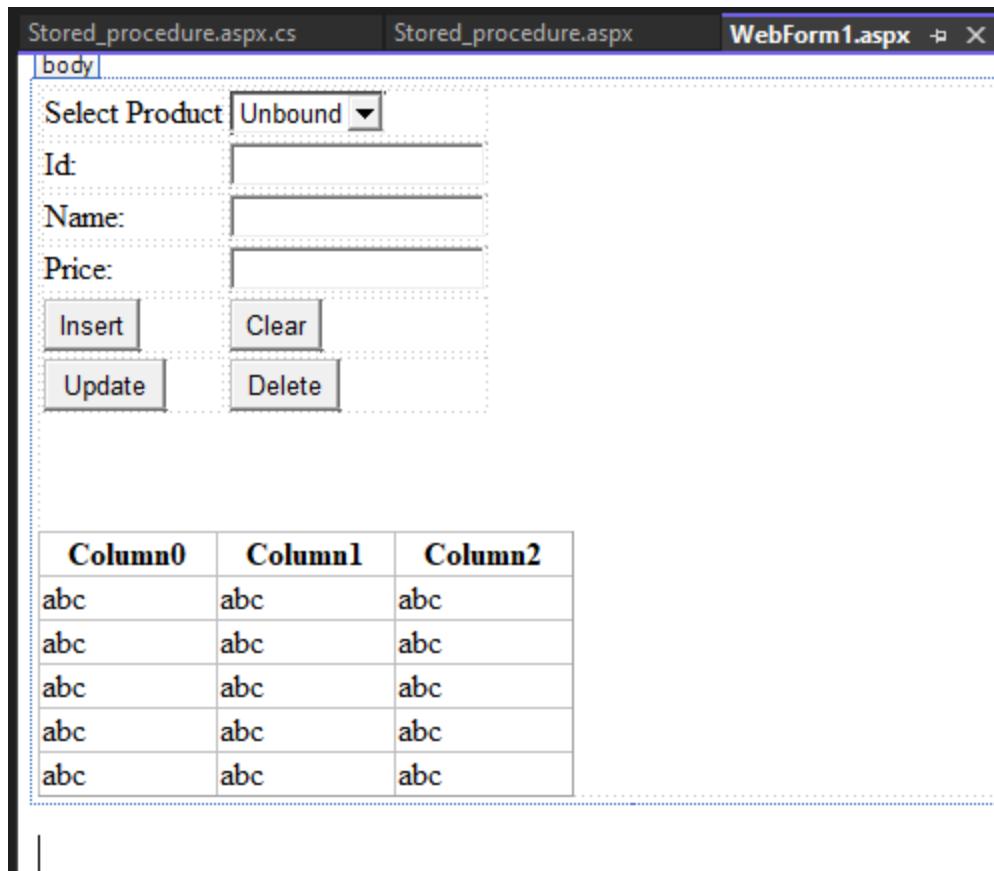
Objective : To demonstrate insert and select, update and delete operation in disconnected architecture with ADO.NET objects.

Code :

Webform1.aspx:

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Webform.aspx.cs:

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

namespace Assign2_2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
```

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```
static DataSet ds;
static SqlDataAdapter da;
static SqlConnection conn;
protected void Page_Load(object sender, EventArgs e)
{
    if (!IsPostBack)
    {
        conn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\TIMSCDR\source\re
pos\Assign2_2\Assign2_2\App_Data\Product.mdf;Integrated Security=True");
        da = new SqlDataAdapter("select * from Product_detail", conn);
        SqlCommandBuilder cb = new SqlCommandBuilder(da);
        ds = new DataSet();
        da.Fill(ds, "Product_detail");
        DropDownList1.DataSource = ds.Tables[0];
        DropDownList1.DataTextField = "Name";
        DropDownList1.DataValueField = "Id";
        DropDownList1.DataBind();
        GridView1.DataSource = ds;
        GridView1.DataBind();
    }
}
```

```
protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    foreach (DataRow dr in ds.Tables[0].Rows)
    {
        if (dr["Id"].ToString() == DropDownList1.SelectedValue.ToString())
        {
```

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```
    TextBox1.Text = dr["Id"].ToString();
    TextBox2.Text = dr["Name"].ToString();
    TextBox3.Text= dr["Price"].ToString();

}

}

}
```

```
protected void Button5_Click(object sender, EventArgs e)
{
    foreach (DataRow dr in ds.Tables[0].Rows)
    {
        if (dr["Id"].ToString() == TextBox1.Text)
        {
            dr["Name"] = TextBox2.Text;
            dr["Price"] = TextBox3.Text;

        }
    }

    da.Update(ds.Tables[0]);
    da = new SqlDataAdapter("select * from Product_detail", conn);
    SqlCommandBuilder cb = new SqlCommandBuilder(da);
    ds = new DataSet();
    da.Fill(ds, "Product");
    DropDownList1.DataSource = ds.Tables[0];
    DropDownList1.DataTextField = "Name";
    DropDownList1.DataValueField = "Id";
    DropDownList1.DataBind();
```

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```
    TextBox1.Text = " ";
    TextBox1.Text = " ";
    TextBox2.Text = " ";
}

protected void Button6_Click(object sender, EventArgs e)
{
    foreach (DataRow dr in ds.Tables[0].Rows)
    {
        if (dr["Id"].ToString() == TextBox1.Text)
        {
            dr.Delete();
        }
    }

    da.Update(ds.Tables[0]);
    da = new SqlDataAdapter("select * from Product_detail", conn);
    SqlCommandBuilder cb = new SqlCommandBuilder(da);
    ds = new DataSet();
    da.Fill(ds, "Product");
    DropDownList1.DataSource = ds.Tables[0];
    DropDownList1.DataTextField = "Name";
    DropDownList1.DataValueField = "Id";
    DropDownList1.DataBind();
    TextBox1.Text = " ";
    TextBox1.Text = " ";
    TextBox2.Text = " ";
}

protected void Button7_Click(object sender, EventArgs e)
```

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```
{  
    DataRow dr = ds.Tables[0].NewRow();  
    dr["Name"] = TextBox2.Text;  
    dr["Price"] = TextBox3.Text;  
    ds.Tables[0].Rows.Add(dr);  
    da.Update(ds.Tables[0]);  
    da = new SqlDataAdapter("select * from Product_detail", conn);  
    SqlCommandBuilder cb = new SqlCommandBuilder(da);  
    ds = new DataSet();  
    da.Fill(ds, "Product");  
    DropDownList1.DataSource = ds.Tables[0];  
    DropDownList1.DataTextField = "Name";  
    DropDownList1.DataValueField = "Id";  
    DropDownList1.DataBind();  
    TextBox1.Text = " ";  
    TextBox1.Text = " ";  
    TextBox2.Text = " ";  
}
```

```
protected void Button8_Click(object sender, EventArgs e)  
{  
    TextBox1.Text = " ";  
    TextBox3.Text = " ";  
    TextBox2.Text = " ";  
}
```

```
protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)  
{  
}  
}
```

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}

Output :

Insert Command:

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm1.aspx>. The page contains a form for inserting a product. The form includes a dropdown menu labeled "Select Product" with "Dell" selected, and input fields for "Id", "Name", and "Price" (with "5" entered). Below the form are four buttons: "Insert", "Clear", "Update", and "Delete".

Select Product

Id:

Name:

Price:

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Mouse	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500
19	Adii	5

Update Command:

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The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm1.aspx>. The page displays a form for managing products. At the top, there is a dropdown menu labeled "Select Product" with "Light" selected. Below it, there are four input fields: "Id" with value "12", "Name" with value "Mouse", and "Price" with value "200". Below these fields are four buttons: "Insert", "Clear", "Update", and "Delete".

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Light	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500

Delete Command:

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The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm1.aspx>. The page displays a form for managing products. At the top left is a dropdown menu labeled "Select Product" with "Dell" selected. Below it are four input fields: "Id" (empty), "Name" (empty), and "Price" (empty). At the bottom are four buttons: "Insert", "Clear", "Update", and "Delete".

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Mouse	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500

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Select Product

Id:

Name:

Price:

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Mouse	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500

4. Write a program to demonstrate insert and select operation using stored procedure.
5. Write a program to demonstrate delete and update operation using stored procedure.

Aim :

Objective : To demonstrate insert, select ,delete and update operation using stored procedure.

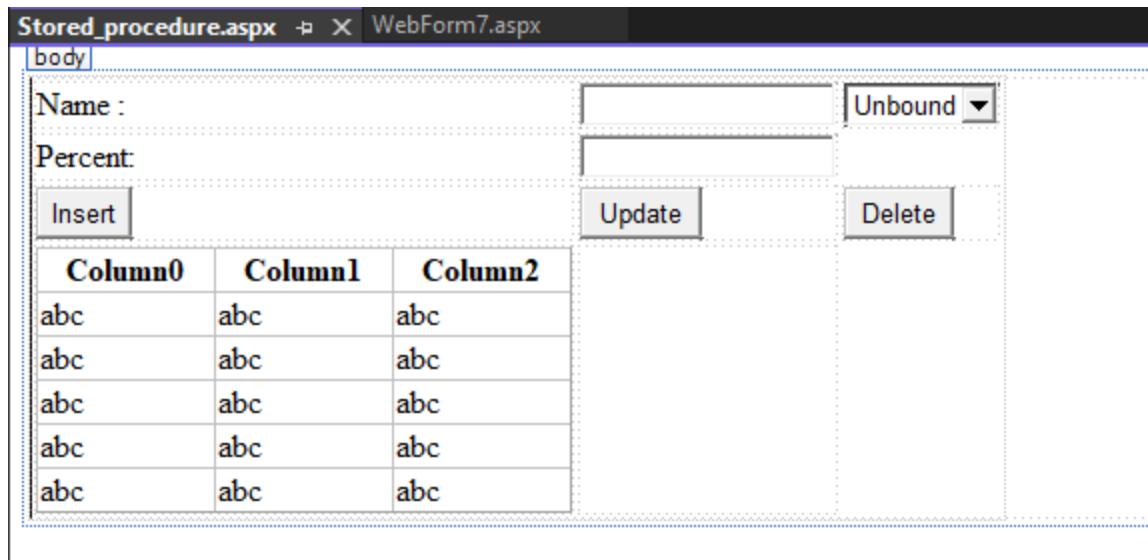
Theory :

Code :

Stored_procedure.aspx:

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Stored_procedure.aspx.cs:

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

namespace Assign2_2
{
    public partial class Stored_procedure : System.Web.UI.Page
    {
        string cs = @"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\TIMSCDR\source\re
pos\Assign2_2\Assign2_2\App_Data\Product.mdf;Integrated Security=True";
        SqlConnection con = null;

        public void FillData()
```

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```
{  
    SqlCommand cmd = new SqlCommand("Select_Data", con);  
    SqlDataReader dr = cmd.ExecuteReader();  
    DropDownList1.DataSource = dr;  
    DropDownList1.DataValueField = "Name";  
    DropDownList1.DataValueField = "Id";  
    DropDownList1.DataBind();  
    dr.Close();  
    SqlCommand cmd1 = new SqlCommand("Select_Data", con);  
    SqlDataReader dr1 = cmd1.ExecuteReader();  
    GridView1.DataSource = dr1;  
    GridView1.DataBind();  
}
```

```
protected void Page_Load(object sender, EventArgs e)  
{  
    con = new SqlConnection(cs); con.Open();  
    if (!Page.IsPostBack)  
    {  
        FillData();  
    }  
}
```

```
protected void Button1_Click(object sender, EventArgs e)  
{  
    SqlCommand c = new SqlCommand("Insert_Data", con);  
    c.CommandType = System.Data.CommandType.StoredProcedure;  
    c.Parameters.AddWithValue("@name", TextBox1.Text);  
    c.Parameters.AddWithValue("@price", TextBox2.Text);  
    int res = c.ExecuteNonQuery();  
    if (res != 0)  
    {
```

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```
        FillData();  
    }  
  
}
```

```
protected void Button2_Click(object sender, EventArgs e)  
{  
    SqlCommand c = new SqlCommand("Update_Data", con);  
    c.CommandType = System.Data.CommandType.StoredProcedure;  
    c.Parameters.AddWithValue("id", DropDownList1.SelectedItem.Value);  
    c.Parameters.AddWithValue("name", TextBox1.Text);  
    c.Parameters.AddWithValue("price", TextBox2.Text);  
    int res = c.ExecuteNonQuery();  
    if (res != 0)  
    {  
        FillData();  
    }  
}
```

```
protected void Button3_Click(object sender, EventArgs e)  
{  
  
    int id1 = int.Parse(DropDownList1.SelectedItem.Value);  
    SqlCommand c = new SqlCommand("Delete_Data", con);  
    c.CommandType = System.Data.CommandType.StoredProcedure;  
    c.Parameters.AddWithValue("id", id1);  
    int res = c.ExecuteNonQuery();  
    if (res != 0)  
    {
```

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```
        FillData();  
    }  
}  
  
protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)  
{  
    int id1 = int.Parse(DropDownList1.SelectedItem.Value);  
    SqlCommand cmd = new SqlCommand("Select_By_Id", con);  
  
    cmd.CommandType = System.Data.CommandType.StoredProcedure;  
    cmd.Parameters.AddWithValue("Id", id1);  
    SqlDataReader reader = cmd.ExecuteReader();  
    if (reader.HasRows)  
    {  
        while (reader.Read())  
        {  
            TextBox1.Text = reader[1].ToString();  
            TextBox2.Text = reader[2].ToString();  
        }  
    }  
}
```

Output :

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The screenshot shows a web browser window with the URL https://localhost:44330/Stored_p. The page displays a form with fields for 'Name' and 'Percent', and a dropdown menu set to '5'. Below the form is a table with columns 'Id', 'Name', and 'Price'. The table contains the following data:

Id	Name	Price
5	Fan	5000
6	Light	200
7	Laptop	45000
10	Fan	500
11	Light	20
12	Light	200
13	AC	12000
14	Keyboard	120
15	CPU	12000

Buttons for 'Insert', 'Update', and 'Delete' are visible on the right side of the table.

Insert Command:

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The screenshot shows a web browser window with the URL https://localhost:44330/Stored_procedure.aspx. The page displays a form for updating a product record in a database. The form includes fields for Name (Lux), Percent (30), and a dropdown menu set to 5. Below the form is a gridview control showing a list of products with columns Id, Name, and Price.

Id	Name	Price
5	Fan	5000
6	Light	200
7	Laptop	45000
10	Fan	500
11	Light	20
12	Light	200
13	AC	12000
14	Keyboard	120
16	Lux	30

6. Write a program to display all products in the drop down list and after choosing the product it will display detail in gridview control.

Aim : Write a program to display all products in the drop down list and after choosing the product it will display detail in gridview control.

Objective : To display all products in the drop down list and after choosing the product it will display detail in gridview control.

Theory :

Code :

Webform2.aspx design:

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div

Databound ▾

SqlDataSource - SqlDataSource1

Id	Name	Price
0	abc	0
1	abc	1
2	abc	2
3	abc	3
4	abc	4

SqlDataSource - SqlDataSource2

Webform1.aspx code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"  
Inherits="Assign2_2.WebForm2" %>
```

```
<!DOCTYPE html>
```

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

```
<head runat="server">
```

```
    <title></title>
```

```
</head>
```

```
<body>
```

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

```
        <div>
```

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```
<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
DataSourceID="SqlDataSource1" DataTextField="Name" DataValueField="Id">
    <asp:ListItem></asp:ListItem>
</asp:DropDownList>
<br />
<br />
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>">
    SelectCommand="SELECT * FROM [Product_detail]"</asp:SqlDataSource>
<br />
<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
BackColor="White" BorderColor="White" BorderStyle="Ridge" BorderWidth="2px"
CellPadding="3" CellSpacing="1" DataKeyNames="Id"
DataSourceID="SqlDataSource2" GridLines="None">
    <Columns>
        <asp:BoundField DataField="Id" HeaderText="Id" InsertVisible="False"
ReadOnly="True" SortExpression="Id" />
        <asp:BoundField DataField="Name" HeaderText="Name"
SortExpression="Name" />
        <asp:BoundField DataField="Price" HeaderText="Price"
SortExpression="Price" />
    </Columns>
    <FooterStyle BackColor="#C6C3C6" ForeColor="Black" />
    <HeaderStyle BackColor="#4A3C8C" Font-Bold="True"
ForeColor="#E7E7FF" />
    <PagerStyle BackColor="#C6C3C6" ForeColor="Black" />
    <SelectedRowStyle BackColor="#9471DE" Font-Bold="True"
ForeColor="White" />
    <SortedAscendingCellStyle BackColor="#F1F1F1" />
```

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```
<SortedAscendingHeaderStyle BackColor="#594B9C" />
<SortedDescendingCellStyle BackColor="#CAC9C9" />
<SortedDescendingHeaderStyle BackColor="#33276A" />
</asp:GridView>
<br />
<asp:SqlDataSource ID="SqlDataSource2" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>">
SelectCommand="SELECT * FROM [Product_detail] WHERE ([Id] = @Id)">
<SelectParameters>
<asp:ControlParameter ControlID="DropDownList1" Name="Id"
PropertyName="SelectedValue" Type="Int32" />
</SelectParameters>
</asp:SqlDataSource>
</div>
</form>
</body>
</html>
```

Output :

Soap ▾

Id	Name	Price
2	Soap	40

7. Write a program to select employee name from first page and display information on the second page (use query string parameter)

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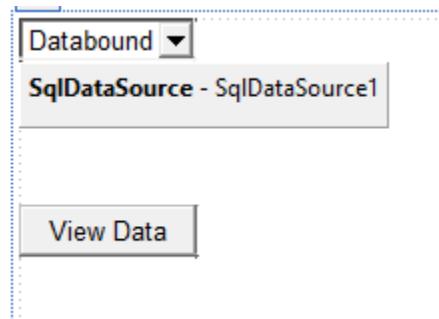
Roll no: 90

Aim : Write a program to select employee name from first page and display information on the second page (use query string parameter)

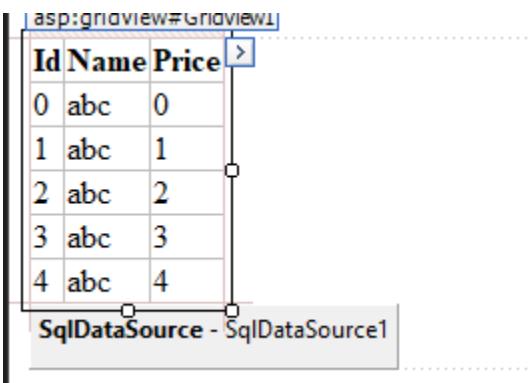
Objective : To select employee name from first page and display information on the second page (use query string parameter)

Code :

Webform3.aspx design:



Webform4.aspx design :



Werbform3.aspx.cs:

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

```
namespace Assign2_2
```

```
{
```

Name: Rutvik Redkar

Roll no: 90

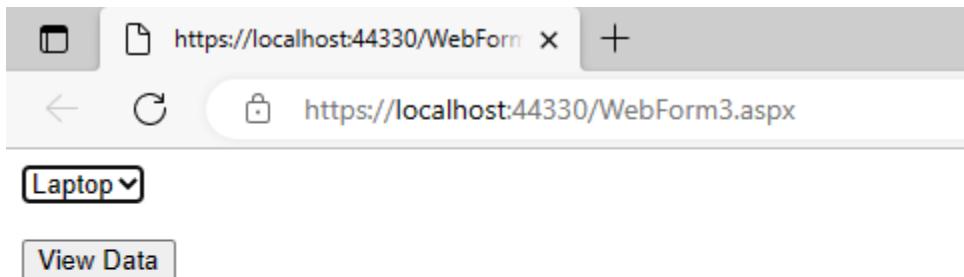
```
public partial class WebForm3 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        int id = int.Parse(DropDownList1.SelectedValue.ToString());
        Response.Redirect("WebForm4.aspx?pid=" + id);

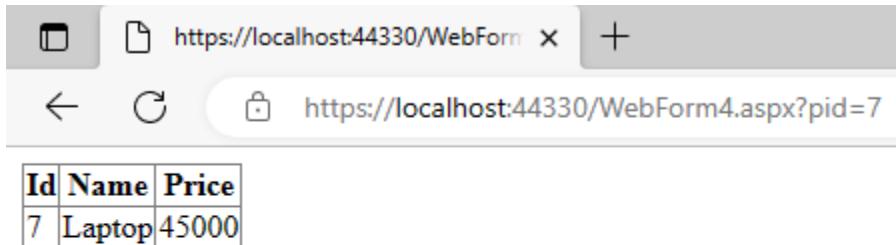
    }
}
```

Output :



Name: Rutvik Redkar

Roll no: 90



A screenshot of a web browser window. The address bar shows the URL <https://localhost:44330/WebForm4.aspx?pid=7>. Below the address bar is a navigation bar with back, forward, and search icons. The main content area displays a GridView control with the following data:

Id	Name	Price
7	Laptop	45000

8. Write a program to demonstrate gridview control.

Aim : Write a program to demonstrate gridview control

Objective : To demonstrate gridview control

Code :

webform 5.aspx:

Name: Rutvik Redkar

Roll no: 90

	<u>Edit</u>	<u>Delete</u>	<u>Select</u>	<u>Id</u>	<u>Name</u>	<u>Price</u>
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		0	abc	0
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		1	abc	1
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		2	abc	2
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		3	abc	3
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		4	abc	4
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		5	abc	5
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		6	abc	6
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		7	abc	7
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		8	abc	8
<u>Edit</u>	<u>Delete</u>	<u>Select</u>		9	abc	9

1 2

SqIDataSource - SqIDataSource1

GridView Tasks

Auto Format...

Choose Data Source: SqIDataSource1

Configure Data Source...

Refresh Schema

Edit Columns...

Add New Column...

Enable Paging

Enable Sorting

Enable Editing

Enable Deleting

Enable Selection

Edit Templates

Name: Rutvik Redkar

Roll no: 90

The screenshot shows the Visual Studio IDE interface with the title bar "WebForm5.aspx" and tabs "WebForm3.aspx.cs" and "WebForm4". A context menu is open over the "asp:gridview#GridView1" control, which is currently selected. The menu items "Edit", "Delete", and "Select" are visible. Below the grid, a "SqlDataSource - SqlDataSource1" is connected to the grid.

	<u>Id</u>	<u>Name</u>	<u>Price</u>
<u>Edit</u> <u>Delete</u> <u>Select</u>	0	abc	0
<u>Edit</u> <u>Delete</u> <u>Select</u>	1	abc	1
<u>Edit</u> <u>Delete</u> <u>Select</u>	2	abc	2
<u>Edit</u> <u>Delete</u> <u>Select</u>	3	abc	3
<u>Edit</u> <u>Delete</u> <u>Select</u>	4	abc	4
<u>Edit</u> <u>Delete</u> <u>Select</u>	5	abc	5
<u>Edit</u> <u>Delete</u> <u>Select</u>	6	abc	6
<u>Edit</u> <u>Delete</u> <u>Select</u>	7	abc	7
<u>Edit</u> <u>Delete</u> <u>Select</u>	8	abc	8
<u>Edit</u> <u>Delete</u> <u>Select</u>	9	abc	9

1 2

SqlDataSource - SqlDataSource1

Output :

Name: Rutvik Redkar

Roll no: 90

	<u>Id</u>	<u>Name</u>	<u>Price</u>
<u>Edit</u> <u>Delete</u> <u>Select</u>	2	AC	1200
<u>Edit</u> <u>Delete</u> <u>Select</u>	4	AC	25000
<u>Edit</u> <u>Delete</u> <u>Select</u>	5	Fan	5000
<u>Edit</u> <u>Delete</u> <u>Select</u>	6	Light	200
<u>Edit</u> <u>Delete</u> <u>Select</u>	7	Laptop	45000
<u>Edit</u> <u>Delete</u> <u>Select</u>	8	AC	12000
<u>Edit</u> <u>Delete</u> <u>Select</u>	9	25000	12
<u>Edit</u> <u>Delete</u> <u>Select</u>	10	Fan	500
<u>Edit</u> <u>Delete</u> <u>Select</u>	11	Light	20
<u>Edit</u> <u>Delete</u> <u>Select</u>	12	Light	200
1 2			

Update:

	<u>Id</u>	<u>Name</u>	<u>Price</u>
<u>Edit</u> <u>Delete</u> <u>Select</u>	2	AC	1200
<u>Update</u> <u>Cancel</u>	4	Tubelight	25000
<u>Edit</u> <u>Delete</u> <u>Select</u>	5	Fan	5000
<u>Edit</u> <u>Delete</u> <u>Select</u>	6	Light	200
<u>Edit</u> <u>Delete</u> <u>Select</u>	7	Laptop	45000
<u>Edit</u> <u>Delete</u> <u>Select</u>	8	AC	12000
<u>Edit</u> <u>Delete</u> <u>Select</u>	9	25000	12
<u>Edit</u> <u>Delete</u> <u>Select</u>	10	Fan	500
<u>Edit</u> <u>Delete</u> <u>Select</u>	11	Light	20
<u>Edit</u> <u>Delete</u> <u>Select</u>	12	Light	200
1 2			

Name: Rutvik Redkar

Roll no: 90

	<u>Id</u>	<u>Name</u>	<u>Price</u>
<u>Edit</u> <u>Delete</u> <u>Select</u>	2	AC	1200
<u>Edit</u> <u>Delete</u> <u>Select</u>	4	Tubelight	25000
<u>Edit</u> <u>Delete</u> <u>Select</u>	5	Fan	5000
<u>Edit</u> <u>Delete</u> <u>Select</u>	6	Light	200
<u>Edit</u> <u>Delete</u> <u>Select</u>	7	Laptop	45000
<u>Edit</u> <u>Delete</u> <u>Select</u>	8	AC	12000
<u>Edit</u> <u>Delete</u> <u>Select</u>	9	25000	12
<u>Edit</u> <u>Delete</u> <u>Select</u>	10	Fan	500
<u>Edit</u> <u>Delete</u> <u>Select</u>	11	Light	20
<u>Edit</u> <u>Delete</u> <u>Select</u>	12	Light	200
1 2			

Delete 9 Id :

	<u>Id</u>	<u>Name</u>	<u>Price</u>
<u>Edit</u> <u>Delete</u> <u>Select</u>	2	AC	1200
<u>Edit</u> <u>Delete</u> <u>Select</u>	4	Tubelight	25000
<u>Edit</u> <u>Delete</u> <u>Select</u>	5	Fan	5000
<u>Edit</u> <u>Delete</u> <u>Select</u>	6	Light	200
<u>Edit</u> <u>Delete</u> <u>Select</u>	7	Laptop	45000
<u>Edit</u> <u>Delete</u> <u>Select</u>	8	AC	12000
<u>Edit</u> <u>Delete</u> <u>Select</u>	10	Fan	500
<u>Edit</u> <u>Delete</u> <u>Select</u>	11	Light	20
<u>Edit</u> <u>Delete</u> <u>Select</u>	12	Light	200
<u>Edit</u> <u>Delete</u> <u>Select</u>	13	AC	12000

- Write a program to demonstrate crud operation in detailsview control.

Aim : Write a program to demonstrate crud operation in detailsview control.

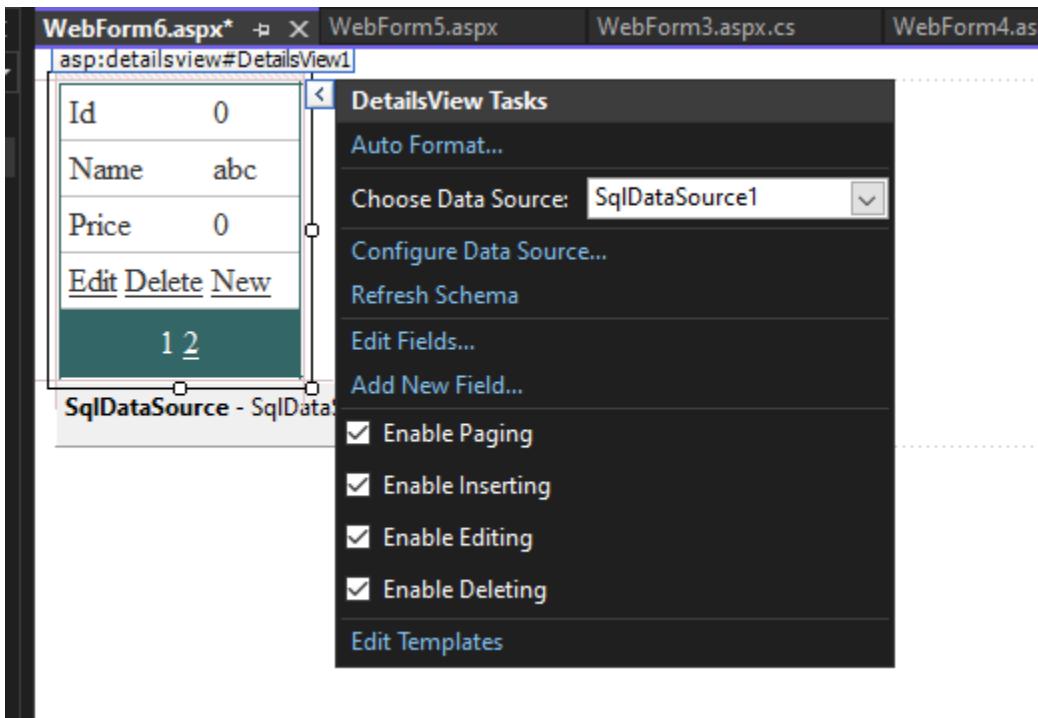
Objective : To demonstrate crud operation in detailsview control

Name: Rutvik Redkar

Roll no: 90

Code :

Webform6.aspx:



Output :

Name: Rutvik Redkar

Roll no: 90

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm6.aspx>. The page displays a product record with the following details:

Id	2
Name	AC
Price	1200
Edit Delete New	
1 2 3 4 5 6 7 8 9 10	

Update:

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm6.aspx>. The page displays a product record for update with the following fields:

Id	2
Name	<input type="text" value="Mouse"/>
Price	<input type="text" value="100"/>
Update Cancel	
1 2 3 4 5 6 7 8 9 10	

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm6.aspx>. The page displays the updated product record:

Id	2
Name	Mouse
Price	100
Edit Delete New	
1 2 3 4 5 6 7 8 9 10	

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Roll no: 90

Deleted 10th record:

<u>Edit</u>	<u>Delete</u>	<u>New</u>						
1	2	3	4	5	6	7	8	9

Insert Operation:

Name	Keyboard
Price	120
<u>Insert</u>	<u>Cancel</u>

<u>Edit</u>	<u>Delete</u>	<u>New</u>							
1	2	3	4	5	6	7	8	9	10

10. Write a program to demonstrate Formview control.

Aim :Write a program to demonstrate Formview control.

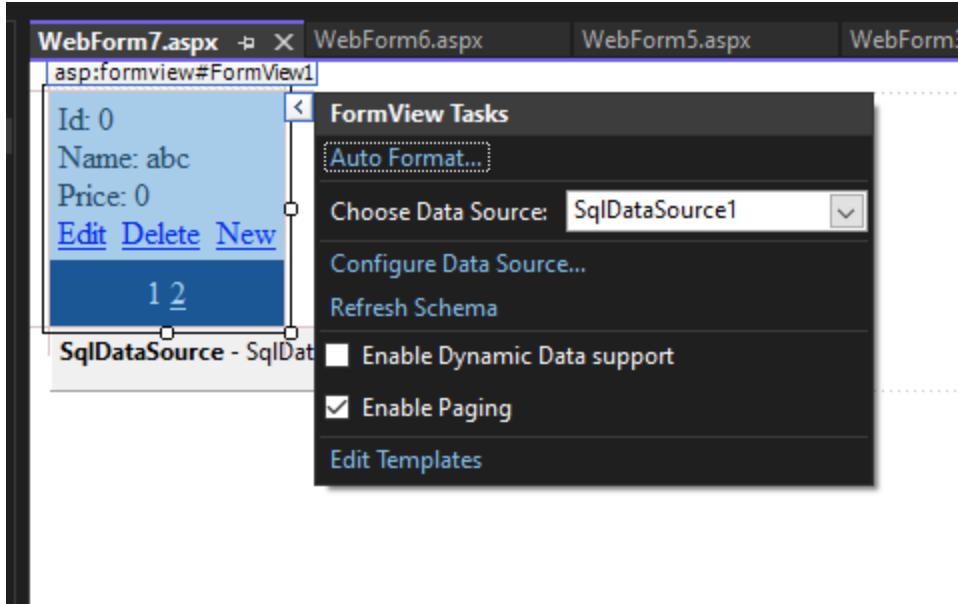
Objective : To demonstrate Formview control.

Code :

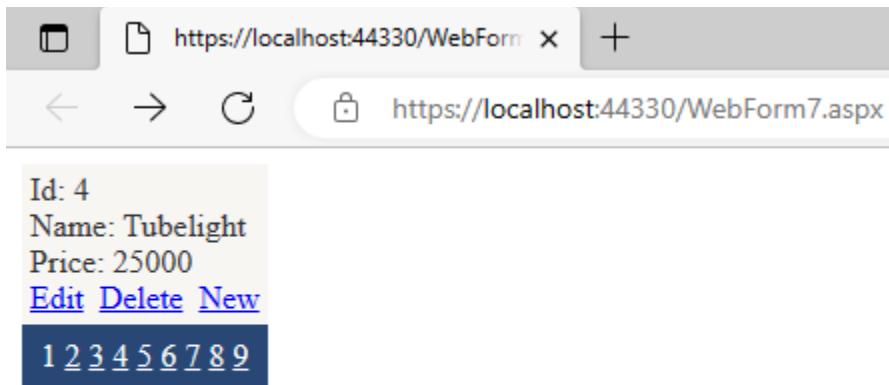
Webform7.aspx:

Name: Rutvik Redkar

Roll no: 90



Output :



Update Operation :

Name: Rutvik Redkar

Roll no: 90

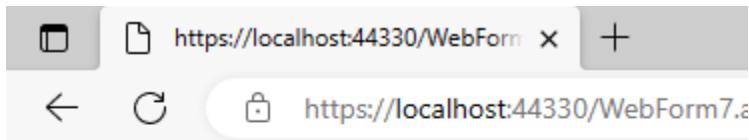
Id: 4

Name:

Price:

[Update](#) [Cancel](#)

1 2 3 4 5 6 7 8 9



Id: 4

Name: Tubelight

Price: 250

[Edit](#) [Delete](#) [New](#)

1 2 3 4 5 6 7 8 9

Id 4 is deleted:

Id: 5

Name: Fan

Price: 5000

[Edit](#) [Delete](#) [New](#)

1 2 3 4 5 6 7 8

Insert Operation:

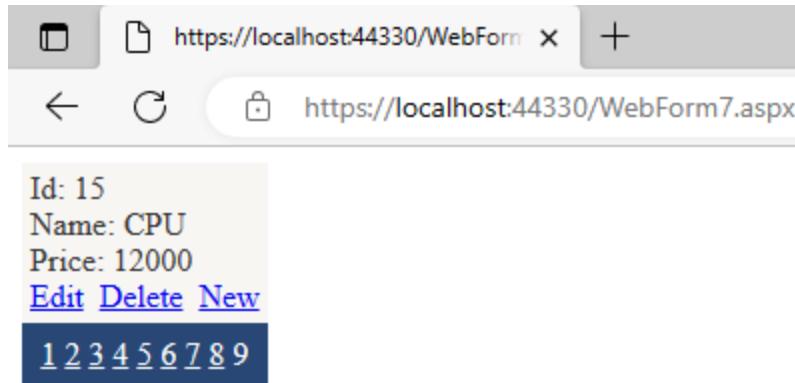
Name:

Price:

[Insert](#) [Cancel](#)

Name: Rutvik Redkar

Roll no: 90



11. Write a program to demonstrate DataList control.

Aim : Write a program to demonstrate DataList control.

Objective : To demonstrate DataList control.

Code :

Webapplication8.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm8.aspx.cs"  
Inherits="Assign2_2.WebForm8" %>
```

```
<!DOCTYPE html>
```

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

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```
<asp:DataList      ID="DataList1"      runat="server"      DataKeyField="Id"
DataSourceID="SqlDataSource1"    OnCancelCommand="DataList1_CancelCommand"
OnDeleteCommand="DataList1_DeleteCommand"
OnEditCommand="DataList1_EditCommand"
OnUpdateCommand="DataList1_UpdateCommand">
<EditItemTemplate>
  ID:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
  <asp:TextBox  ID="TextBox1"  runat="server"  Text='<%# Bind("Id") %>'></asp:TextBox>
  <br />
  <br />
  Name:&nbsp;&nbsp;
  <asp:TextBox  ID="TextBox2"  runat="server"  Text='<%# Bind("Name") %>'></asp:TextBox>
  <br />
  <br />
  Price:&nbsp;&nbsp;&nbsp;&nbsp;
  <asp:TextBox  ID="TextBox3"  runat="server"  Text='<%# Bind("Price") %>'></asp:TextBox>
  <br />
  <br />
  <asp:LinkButton      ID="LinkButton3"      runat="server"
CommandName="Update">Update</asp:LinkButton>
  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;
  <asp:LinkButton      ID="LinkButton4"      runat="server"
CommandName="Cancel">Cancel</asp:LinkButton>
  <br />
</EditItemTemplate>
<ItemTemplate>
  Id:
  <asp:Label ID="IdLabel" runat="server" Text='<%# Eval("Id") %>'>
```

Name: Rutvik Redkar

Roll no: 90

```
<br />
Name:
<asp:Label ID="NameLabel" runat="server" Text='<%# Eval("Name") %>'>
/>

<br />
Price:
<asp:Label ID="PriceLabel" runat="server" Text='<%# Eval("Price") %>' />
<br />
<br />
<asp:LinkButton ID="LinkButton1" runat="server"
CommandName="Edit">Edit</asp:LinkButton>
    &nbsp;&nbsp;&nbsp;
    <asp:LinkButton ID="LinkButton2" runat="server"
CommandName="Delete">Delete</asp:LinkButton>
<br />
</ItemTemplate>
</asp:DataList>
&nbsp;<br />
<br />
<asp:SqlDataSource ID="SqlDataSource1" runat="server"
ConnectionString="<%$ ConnectionStrings:ConnectionString %>">
DeleteCommand="DELETE FROM [Product_detail] WHERE [Id] = @Id"
InsertCommand="INSERT INTO [Product_detail] ([Name], [Price]) VALUES (@Name,
@Price)" SelectCommand="SELECT * FROM [Product_detail]"
UpdateCommand="UPDATE [Product_detail] SET [Name] = @Name, [Price] = @Price
WHERE [Id] = @Id">
<DeleteParameters>
    <asp:Parameter Name="Id" Type="Int32" />
</DeleteParameters>
<InsertParameters>
    <asp:Parameter Name="Name" Type="String" />
```

Name: Rutvik Redkar

Roll no: 90

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

Design:

Name: Rutvik Redkar

Roll no: 90

Edit		
Id: 0	Name: abc	Price: 0
Edit	Delete	
Id: 1	Name: abc	Price: 1
Edit	Delete	
Id: 2	Name: abc	Price: 2
Edit	Delete	
Id: 3	Name: abc	Price: 3
Edit	Delete	
Id: 4	Name: abc	Price: 4
Edit	Delete	

Webapplication8.aspx.cs:

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

Name: Rutvik Redkar

Roll no: 90

```
namespace Assign2_2
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void     void     source,
DataListCommandEventArgs e)
        {
            DataList1.EditItemIndex = -1;
            DataList1.DataBind();

        }

        protected void     void     source,
DataListCommandEventArgs e)
        {

            int id = int.Parse(DataList1.DataKeys[e.Item.ItemIndex].ToString());
            if (e.CommandName == "Delete")
            {
                SqlDataSource1.DeleteParameters["Id"].DefaultValue=id.ToString();
                SqlDataSource1.Delete();
            }

        }

    }
}
```

Name: Rutvik Redkar

Roll no: 90

```
protected void DataList1>EditCommand(object source,
DataListCommandEventArgs e)
{
    DataList1.EditItemIndex = e.Item.ItemIndex;
    DataList1.DataBind();
}

protected void DataList1>UpdateCommand(object source,
DataListCommandEventArgs e)
{
    TextBox text_id = (TextBox)e.Item.FindControl("TextBox1");
    TextBox text_name = (TextBox)e.Item.FindControl("TextBox2");
    TextBox text_price = (TextBox)e.Item.FindControl("TextBox3");
    if(e.CommandName == "Update")
    {
        SqlDataSource1.UpdateParameters["Id"].DefaultValue =
        DataList1.DataKeys[e.Item.ItemIndex].ToString();
        SqlDataSource1.UpdateParameters["Name"].DefaultValue = text_name.Text;
        SqlDataSource1.UpdateParameters["Price"].DefaultValue = text_price.Text;
        SqlDataSource1.Update();
    }
    DataList1.EditItemIndex = -1;
    DataList1.DataBind();
}
```

Output :

Update Command:

Name: Rutvik Redkar

Roll no: 90

Name: Rutvik Redkar

Roll no: 90

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm8.aspx>. The page displays a list of items, each with an ID, name, and price, followed by edit and delete links. The items are:

- ID: 5**
Name: Fan
Price: 5000
[Edit](#) [Delete](#)
Id: 6
Name: Light
Price: 200
- [Edit](#) [Delete](#)
Id: 7
Name: Laptop
Price: 45000
- [Edit](#) [Delete](#)
Id: 10
Name: Fan
Price: 500
- [Edit](#) [Delete](#)
Id: 11
Name: Light
Price: 20
- [Edit](#) [Delete](#)
Id: 12
Name: Light
Price: 200
- [Edit](#) [Delete](#)
Id: 13
Name: AC
Price: 12000
- [Edit](#) [Delete](#)
Id: 14
Name: Keyboard
Price: 120

Name: Rutvik Redkar
Roll no: 90

Fan Updated:

[Edit](#) [Delete](#)
Id: 5
Name: Fan
Price: 5000

[Edit](#) [Delete](#)
Id: 6
Name: Light
Price: 200

[Edit](#) [Delete](#)
Id: 7
Name: Laptop
Price: 45000

[Edit](#) [Delete](#)
Id: 10
Name: Fan
Price: 500

[Edit](#) [Delete](#)
Id: 11
Name: Light
Price: 20

[Edit](#) [Delete](#)
Id: 12
Name: Light
Price: 200

[Edit](#) [Delete](#)
Id: 13
Name: AC
Price: 12000

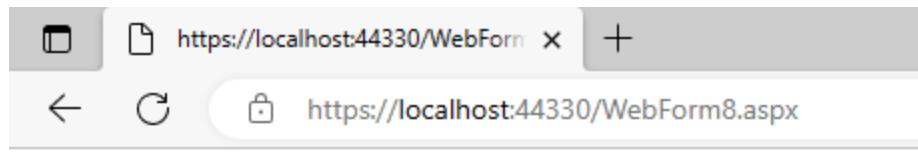
[Edit](#) [Delete](#)
Id: 14
Name: Keyboard
Price: 120

[Edit](#) [Delete](#)
Id: 16
Name: Lux
Price: 100

Name: Rutvik Redkar

Roll no: 90

Fan Delete:



Id: 6

Name: Light

Price: 200

[Edit](#) [Delete](#)

Id: 7

Name: Laptop

Price: 45000

[Edit](#) [Delete](#)

Id: 10

Name: Fan

Price: 500

[Edit](#) [Delete](#)

Id: 11

Name: Light

Price: 20

[Edit](#) [Delete](#)

Id: 12

Name: Light

Price: 200

[Edit](#) [Delete](#)

Id: 13

Name: AC

Price: 12000

[Edit](#) [Delete](#)

Id: 14

Name: Keyboard

Price: 120

[Edit](#) [Delete](#)

Id: 16

Name: Lux

Price: 30

[Edit](#) [Delete](#)

Name: Rutvik Redkar
Roll no: 90

12. Write a program to demonstrate Repeater control.

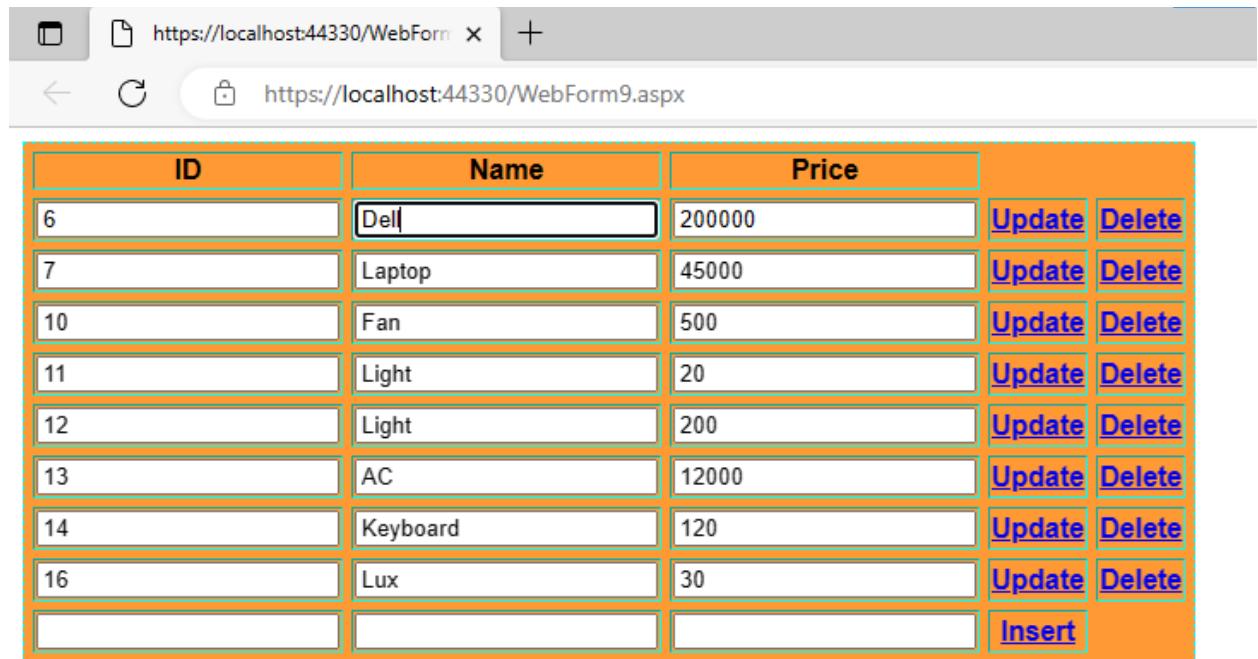
Aim : Write a program to demonstrate Repeater control.

Objective : To demonstrate Repeater control.

Code :

Output :

Update Command:



The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm9.aspx>. The page displays a table of products with columns for ID, Name, and Price. Each row contains a set of buttons for Update and Delete operations. The table data is as follows:

ID	Name	Price	Update	Delete
6	Dell	200000	Update	Delete
7	Laptop	45000	Update	Delete
10	Fan	500	Update	Delete
11	Light	20	Update	Delete
12	Light	200	Update	Delete
13	AC	12000	Update	Delete
14	Keyboard	120	Update	Delete
16	Lux	30	Update	Delete
			Insert	

Dell Deleted:

Name: Rutvik Redkar

Roll no: 90

A screenshot of a web browser window displaying a table with 8 rows of data and a final row for insertion. The table has three columns: ID, Name, and Price. Each row contains a set of input fields for each column, followed by two buttons: 'Update' and 'Delete'. The last row is identical but lacks the 'Update' and 'Delete' buttons, instead featuring an 'Insert' button.

ID	Name	Price		
7	Laptop	45000	Update	Delete
10	Fan	500	Update	Delete
11	Light	20	Update	Delete
12	Light	200	Update	Delete
13	AC	12000	Update	Delete
14	Keyboard	120	Update	Delete
16	Lux	30	Update	Delete
			Insert	

Insert Command:

A screenshot of a web browser window showing the same table as the previous screenshot, but with one additional row at the bottom. This new row contains the values '17', 'Table', and '500' in the respective columns, with an 'Insert' button to its right.

ID	Name	Price		
7	Laptop	45000	Update	Delete
10	Fan	500	Update	Delete
11	Light	20	Update	Delete
12	Light	200	Update	Delete
13	AC	12000	Update	Delete
14	Keyboard	120	Update	Delete
16	Lux	30	Update	Delete
17	Table	500	Insert	

Table Inserted:

Name: Rutvik Redkar

Roll no: 90

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm9.aspx>. The page displays a Listview control containing a grid of data. The grid has columns: ID, Name, Price, and two buttons (Update and Delete) for each row. There is also an 'Insert' button at the bottom right of the grid. The data rows are as follows:

ID	Name	Price	Update	Delete
7	Laptop	45000	Update	Delete
10	Fan	500	Update	Delete
11	Light	20	Update	Delete
12	Light	200	Update	Delete
13	AC	12000	Update	Delete
14	Keyboard	120	Update	Delete
16	Lux	30	Update	Delete
17	Table	500	Update	Delete
			Insert	

13. Write a program to demonstrate Listview control.

Aim : Write a program to demonstrate Listview control.

Objective : To demonstrate Listview control.

Code :

Webapplication 10.aspx:

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Roll no: 90

WebForm10.aspx	
<div><ul style="list-style-type: none">• Id: 0 Name: abc Price: 0 <input type="button" value="Edit"/> <input type="button" value="Delete"/>• Id: 1 Name: abc Price: 1 <input type="button" value="Edit"/> <input type="button" value="Delete"/>• Id: 2 Name: abc Price: 2 <input type="button" value="Edit"/> <input type="button" value="Delete"/>• Id: 3 Name: abc Price: 3 <input type="button" value="Edit"/> <input type="button" value="Delete"/>• Id: 4 Name: abc Price: 4 <input type="button" value="Edit"/> <input type="button" value="Delete"/>• Id: 5 Name: abc Price: 5 <input type="button" value="Edit"/> <input type="button" value="Delete"/>• Id: 6 Name: abc Price: 6 <input type="button" value="Edit"/> <input type="button" value="Delete"/></div>	

Output :

Name: Rutvik Redkar

Roll no: 90

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm10.aspx>. The page displays a list of items, each with an ID, name, price, and two buttons: 'Edit' and 'Delete'. The items are listed in a vertical stack, with every second item highlighted in yellow. The items are:

- Id: 7
Name: Laptop
Price: 45000
[Edit](#) [Delete](#)
- Id: 10
Name: Fan
Price: 500
[Edit](#) [Delete](#)
- Id: 11
Name: Light
Price: 20
[Edit](#) [Delete](#)
- Id: 12
Name: Light
Price: 200
[Edit](#) [Delete](#)
- Id: 13
Name: AC
Price: 12000
[Edit](#) [Delete](#)
- Id: 14
Name: Keyboard
Price: 120
[Edit](#) [Delete](#)
- Id: 16
Name: Lux
Price: 30
[Edit](#) [Delete](#)
- Id: 17
Name: Table
Price: 500
[Edit](#) [Delete](#)

Name: Rutvik Redkar

Roll no: 90

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm10>. The page displays a form for editing a product record. The form has a teal header with the text "Id: 7". Below the header are two input fields: "Name: ". The "Name" field is highlighted with a red border. Below it is another input field: "Price: ". At the bottom of the form are two buttons: "Update" (highlighted with a red border) and "Cancel".

- Id: 10
Name: Fan
Price: 500
[Edit](#) [Delete](#)

Name: Rutvik Redkar

Roll no: 90

The screenshot shows a web browser window with the URL <https://localhost:44330/WebForm>. The page displays a list of items, each with an ID, name, and price, along with 'Edit' and 'Delete' buttons. The items are listed in a vertical stack, with every second item (Id 10, 12, 14, 17) highlighted with a yellow background.

- Id: 7
Name: Dell
Price: 80000
[Edit](#) [Delete](#)
- Id: 10
Name: Fan
Price: 500
[Edit](#) [Delete](#)
- Id: 11
Name: Light
Price: 20
[Edit](#) [Delete](#)
- Id: 12
Name: Light
Price: 200
[Edit](#) [Delete](#)
- Id: 13
Name: AC
Price: 12000
[Edit](#) [Delete](#)
- Id: 14
Name: Keyboard
Price: 120
[Edit](#) [Delete](#)
- Id: 16
Name: Lux
Price: 30
[Edit](#) [Delete](#)
- Id: 17
Name: Table
Price: 500
[Edit](#) [Delete](#)

Name: Rutvik Redkar
Roll no: 90

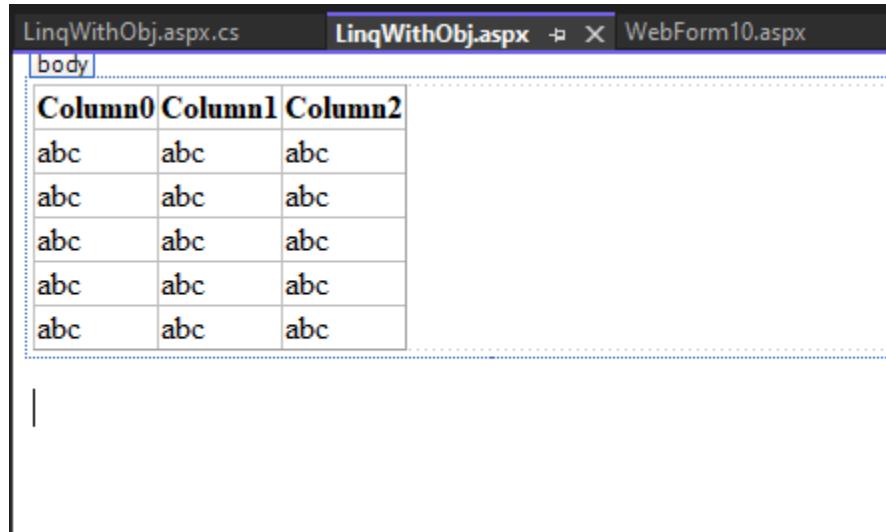
14. Write a program to demonstrate LINQ to in memory objects.

Aim : Write a program to demonstrate LINQ to in memory objects.

Objective : To demonstrate LINQ to in memory objects.

Code :

LinqWithObj.aspx:



Column0	Column1	Column2
abc	abc	abc

LinqWithObj.aspx.cs:

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

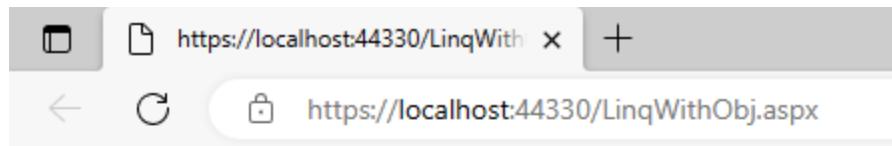
namespace Assign2_2
{
    public partial class LinqWithObj : System.Web.UI.Page
```

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```
{  
    protected void Page_Load(object sender, EventArgs e)  
    {  
        int[] numbers = { 1, 2, 3, 4, 5, 6, 7 ,8,9,10};  
        GridView1.DataSource = from num in numbers  
                               where num > 2  
                               orderby num descending  
                               select num;  
        GridView1.DataBind();  
    }  
}  
}
```

Output :



The screenshot shows a web browser window with the URL <https://localhost:44330/LinqWithObj.aspx>. The page displays a table with one column labeled "Item" containing the numbers 10, 9, 8, 7, 6, 5, 4, and 3, ordered from highest to lowest.

Item
10
9
8
7
6
5
4
3

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15. Write a program to demonstrate implementation of LINQ to the database.

Aim : Write a program to demonstrate implementation of LINQ to the database.

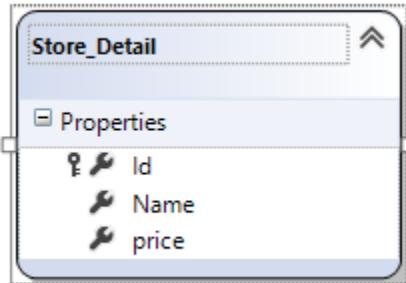
Objective : To demonstrate implementation of LINQ to the database.

Code :

webform 1.aspx:

Column0	Column1	Column2
abc	abc	abc

DataClasses1.dbml:



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 WebApplication22
```

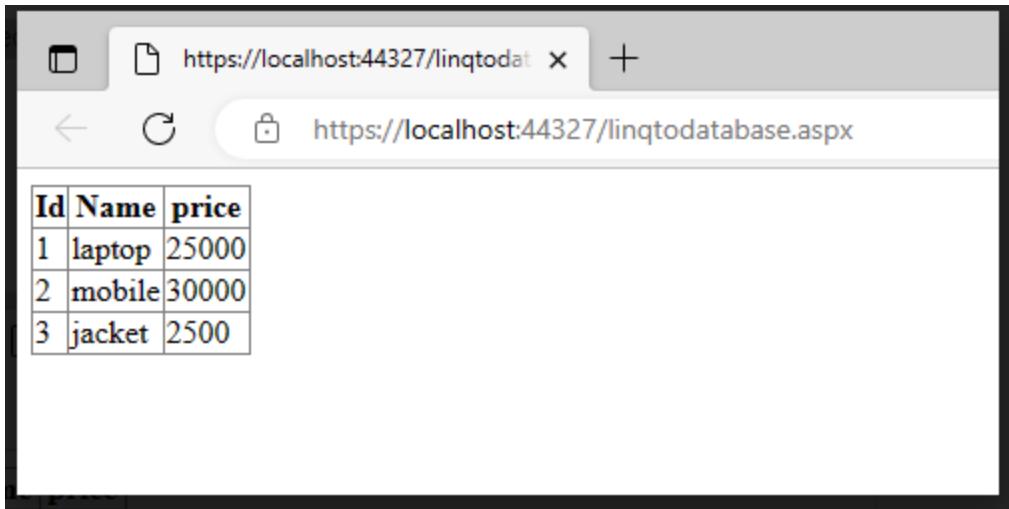
Name: Rutvik Redkar

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```
{  
    public partial class WebForm1 : System.Web.UI.Page  
    {  
        protected void Page_Load(object sender, EventArgs e)  
        {  
            DataClasses1DataContext dataContext = new DataClasses1DataContext(  
  
                System.Configuration.ConfigurationManager.ConnectionStrings["Database1ConnectionString"].ConnectionString);  
  
            GridView1.DataSource = from product in dataContext.Store_Details select  
product;  
  
            GridView1.DataBind();  
        }  
  
        protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)  
        {  
        }  
    }  
}
```

Output :

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A screenshot of a web browser window. The address bar shows two tabs: 'https://localhost:44327/linqtodat' and 'https://localhost:44327/linqtodatabase.aspx'. The main content area displays a GridView control with three columns: 'Id', 'Name', and 'price'. The data is as follows:

Id	Name	price
1	laptop	25000
2	mobile	30000
3	jacket	2500

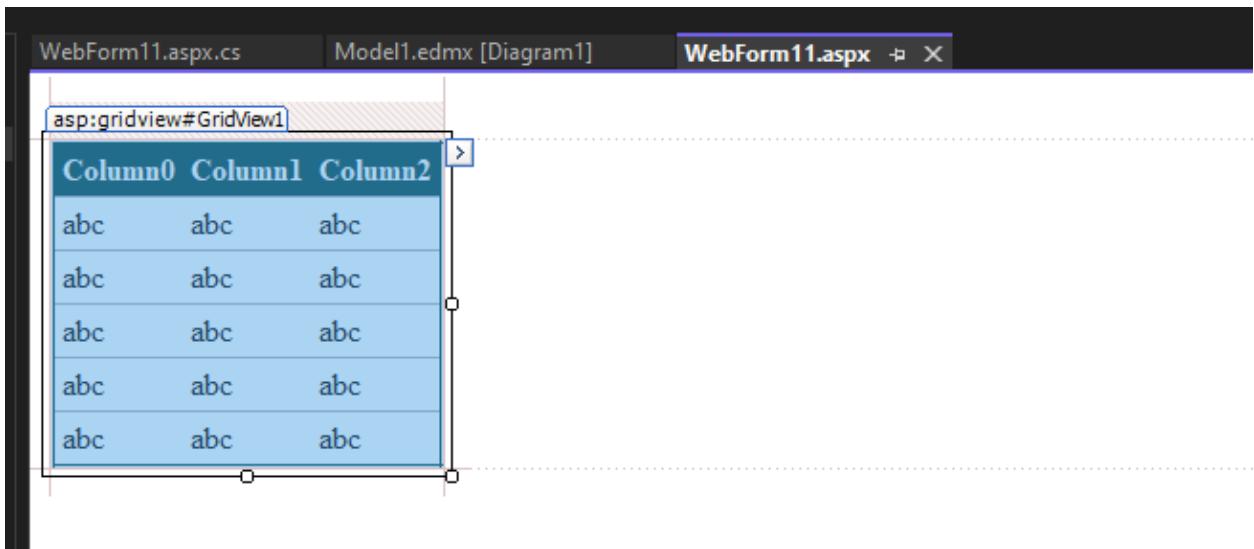
16. Write a program to perform all the operations using Entity Framework.

Aim : Write a program to perform all the operations using Entity Framework.

Objective : To perform all the operations using Entity Framework.

Code :

Webform11.aspx:

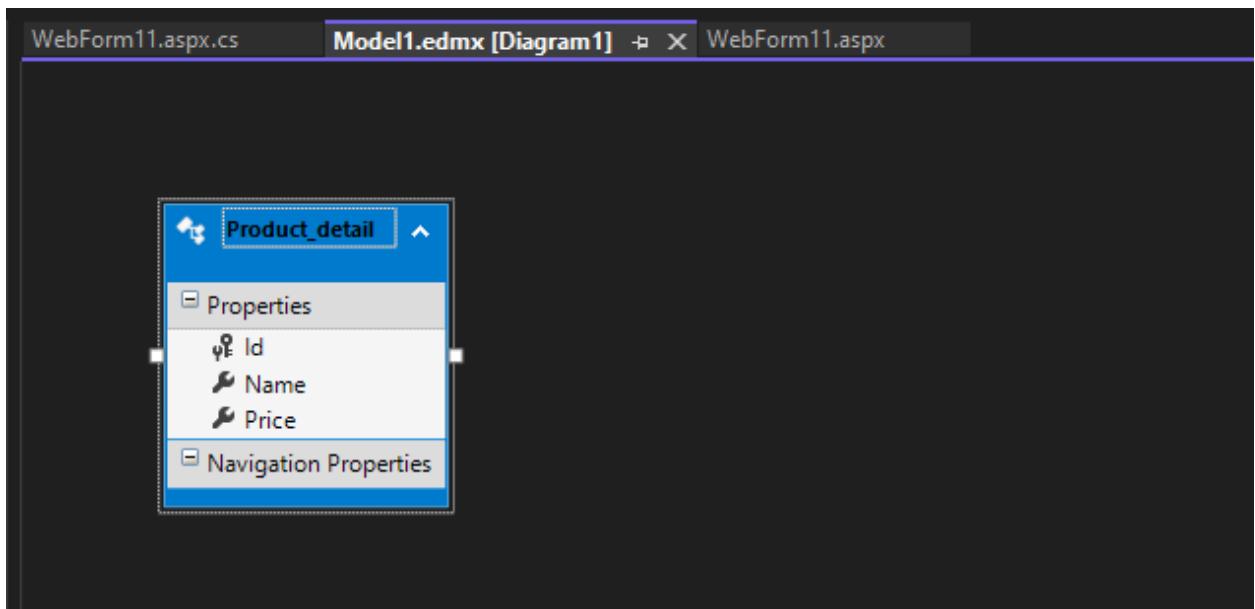


A screenshot of the Microsoft Visual Studio IDE. The title bar shows three tabs: 'WebForm11.aspx.cs', 'Model1.edmx [Diagram1]', and 'WebForm11.aspx'. The main workspace displays a 'GridView' control. The grid has three columns labeled 'Column0', 'Column1', and 'Column2'. Each row contains the value 'abc' repeated across the three columns. The 'GridView' control is highlighted with a light blue selection box.

Model1.edmx(Design):

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Webform11.aspx.cs:

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

namespace Assign2_2

{

```
public partial class WebForm11 : System.Web.UI.Page
```

{

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

{

```
ProductEntities product= new ProductEntities();
```

```
    GridView1.DataSource = (from prod in product.Product_detail select prod).ToList();
```

```
GridView1.DataBind();
```

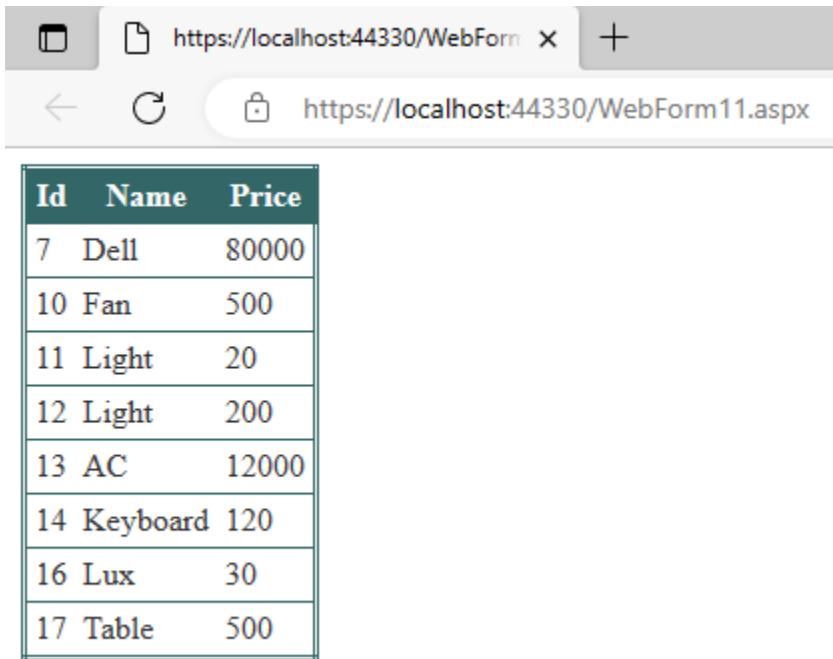
}

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```
}
```

```
}
```

Output :



A screenshot of a Microsoft Edge browser window. The address bar shows the URL <https://localhost:44330/WebForm11.aspx>. The main content area displays a table with the following data:

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Light	20
12	Light	200
13	AC	12000
14	Keyboard	120
16	Lux	30
17	Table	500

Conclusion: Hence, we successfully demonstrated Database Programming in ASP.NET