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>

<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 Employee Name"></asp:Label>
         
         <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
      </div>
      <asp:Label ID="Label2" runat="server" Text="Enter Employee Salary"></asp:Label>
         
      <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
      <p>
         <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="SAVE" />
             
             
      
         <asp:Button ID="Button2" runat="server" Text="CANCEL" />
      </p>
      <asp:GridView ID="GridView1" runat="server">
      </asp:GridView>
   </form>
```

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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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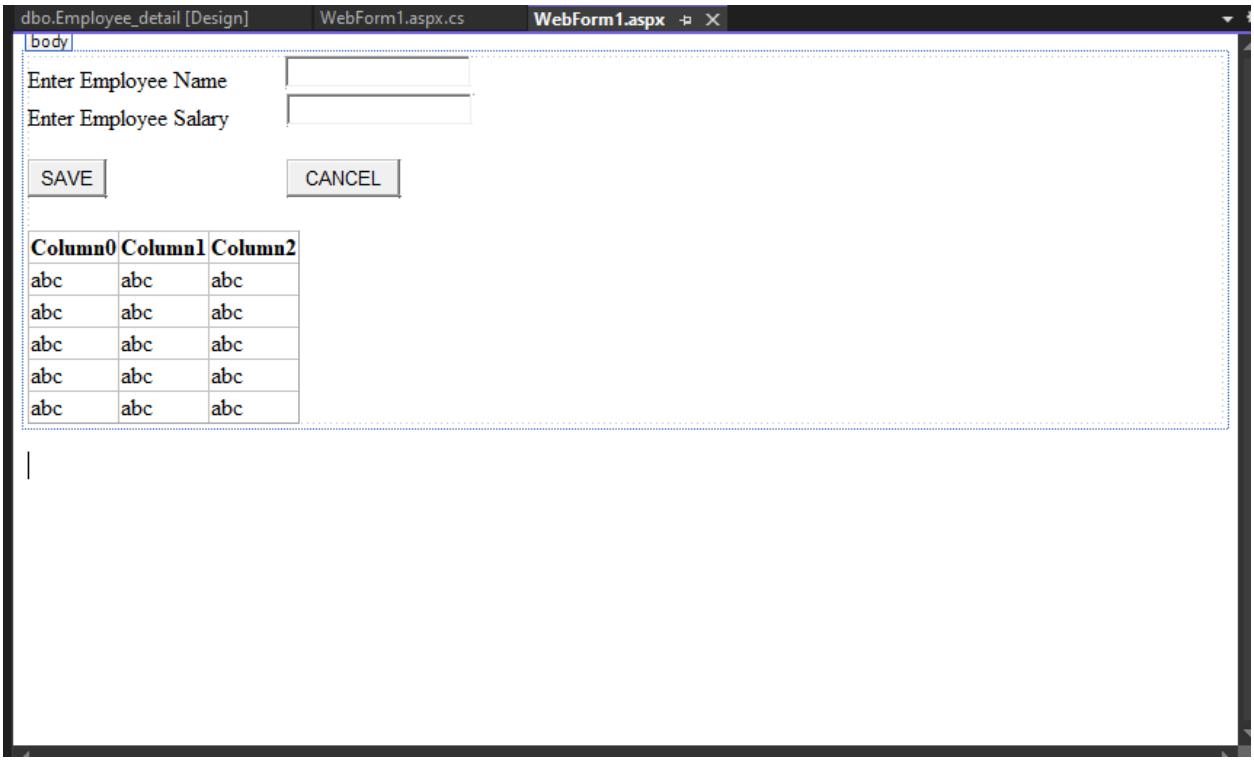
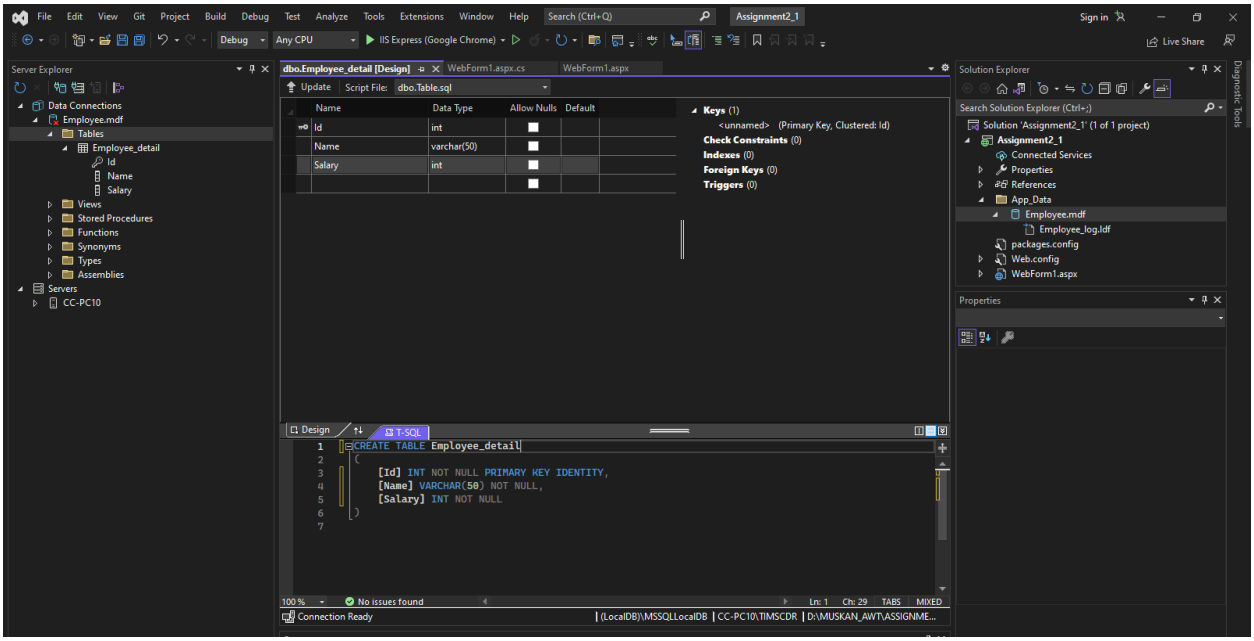


Employee.mdf



Output :

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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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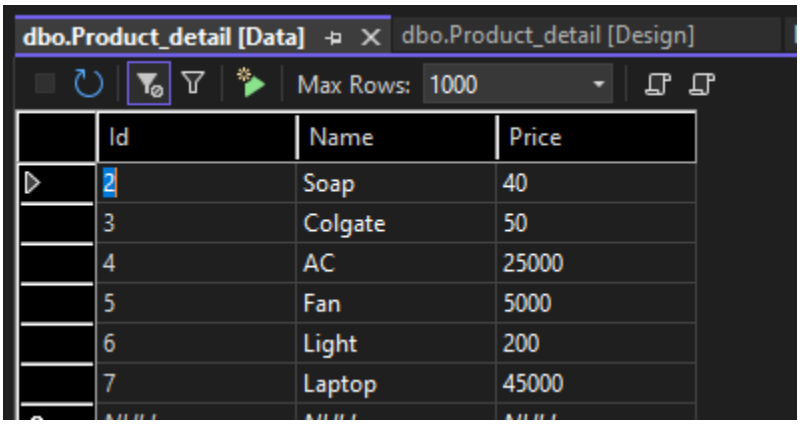
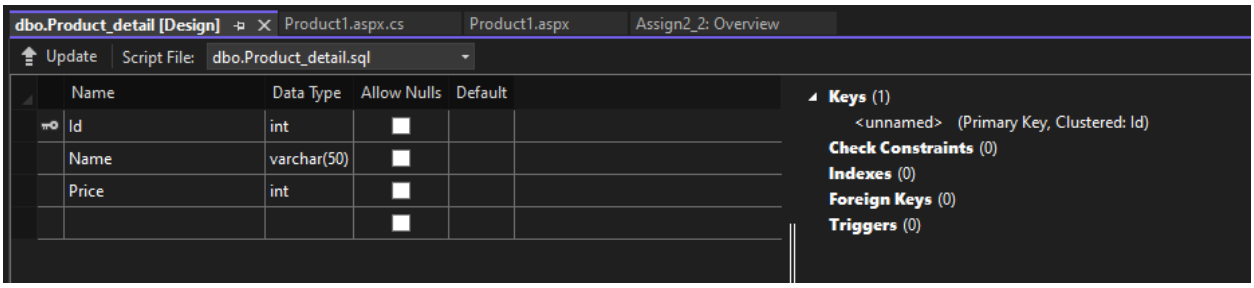
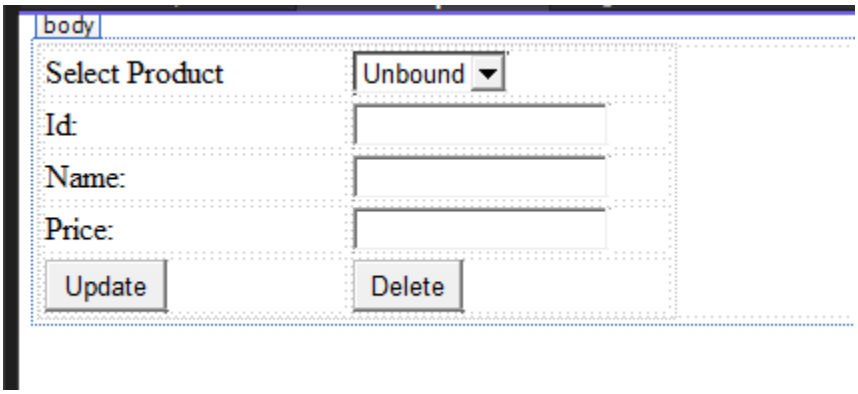
Product.mdf:



Product_dao_Design:



Product.aspx:



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\repos\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();
```

```
    }

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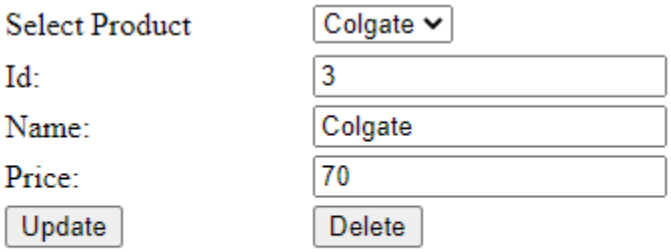
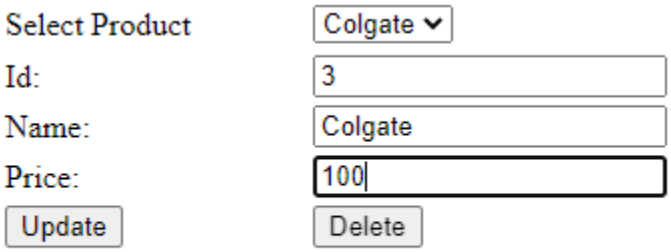
```
            cmd.ExecuteNonQuery();
            TextBox1.Text = " ";
            TextBox2.Text = " ";
            TextBox3.Text = " ";
            BindData();


        }
    }
}
```

Output :

Colgate Update:





Colgate Deleted:

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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:

Name: Rutvik Redkar
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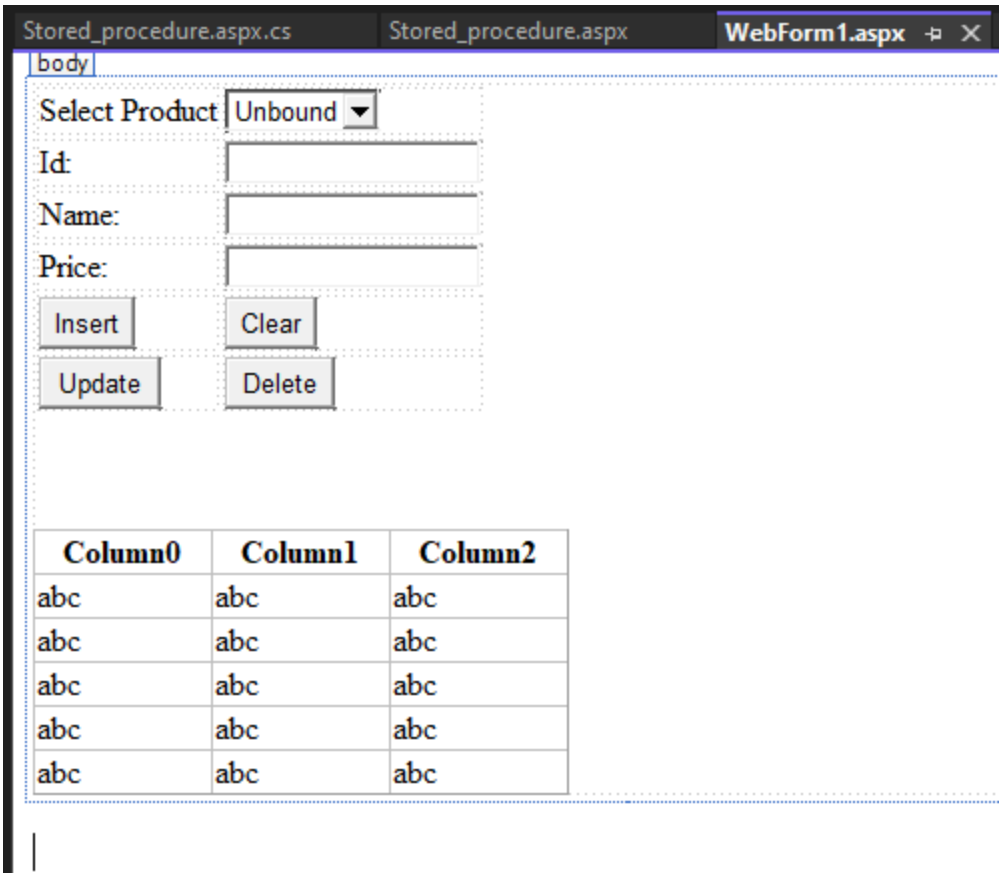

Webform.aspx.cs:

```
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\repos\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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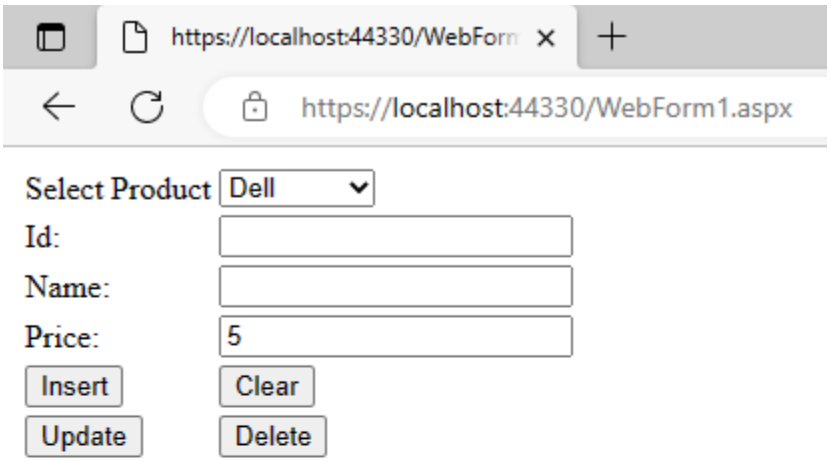
```
        {
            DataRow dr = ds.Tables[0].NewRow();
            dr["Name"] = TextBox2.Text;
            dr["Price"] = TextBox3.Text;
            ds.Tables[0].Rows.Add(dr);
            da.Update(ds.Tables[0]);
            da = new SqlDataAdapter("select * from Product_detail", conn);
            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)
        {

        }
    }
```

}

Output :

Insert Command:



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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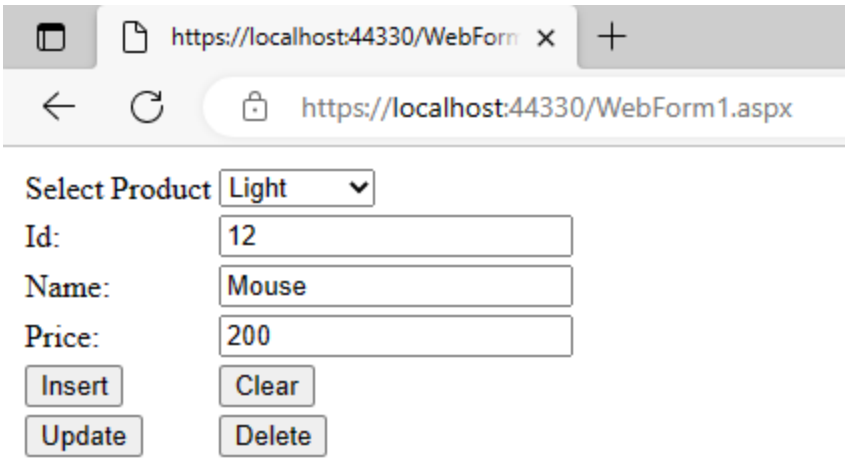

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Light	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500

Delete Command:

Name: Rutvik Redkar
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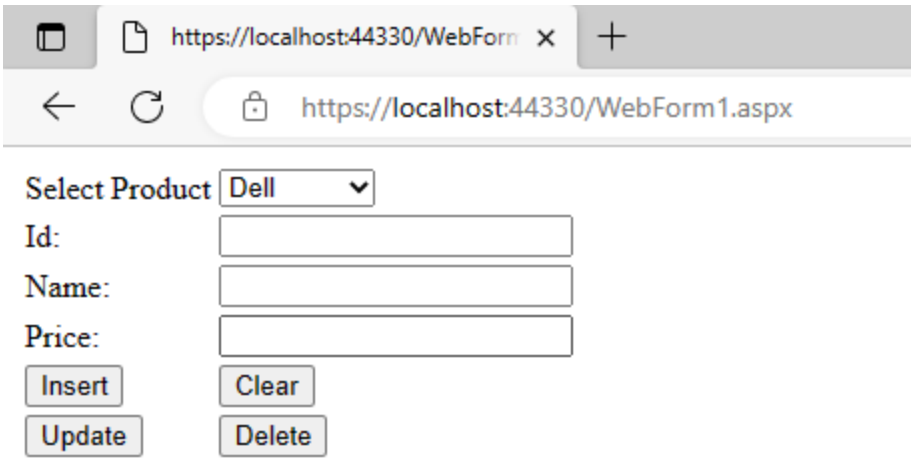

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Mouse	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500

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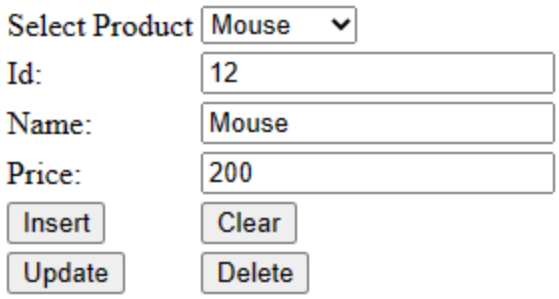

Id	Name	Price
7	Dell	80000
10	Fan	500
11	Ring	212
12	Mouse	200
13	AC222	12000
14	Keyboard	120
16	Lux	30
17	Table	500

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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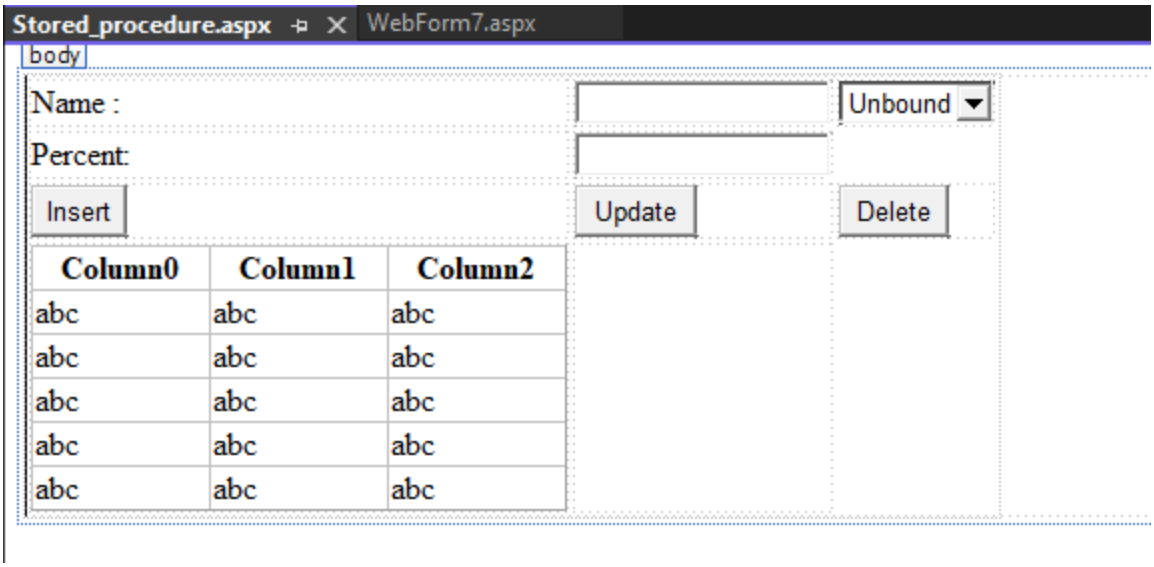

Stored_procedure.aspx.cs:

```
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\repos\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 = cmd.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 :

Name: Rutvik Redkar
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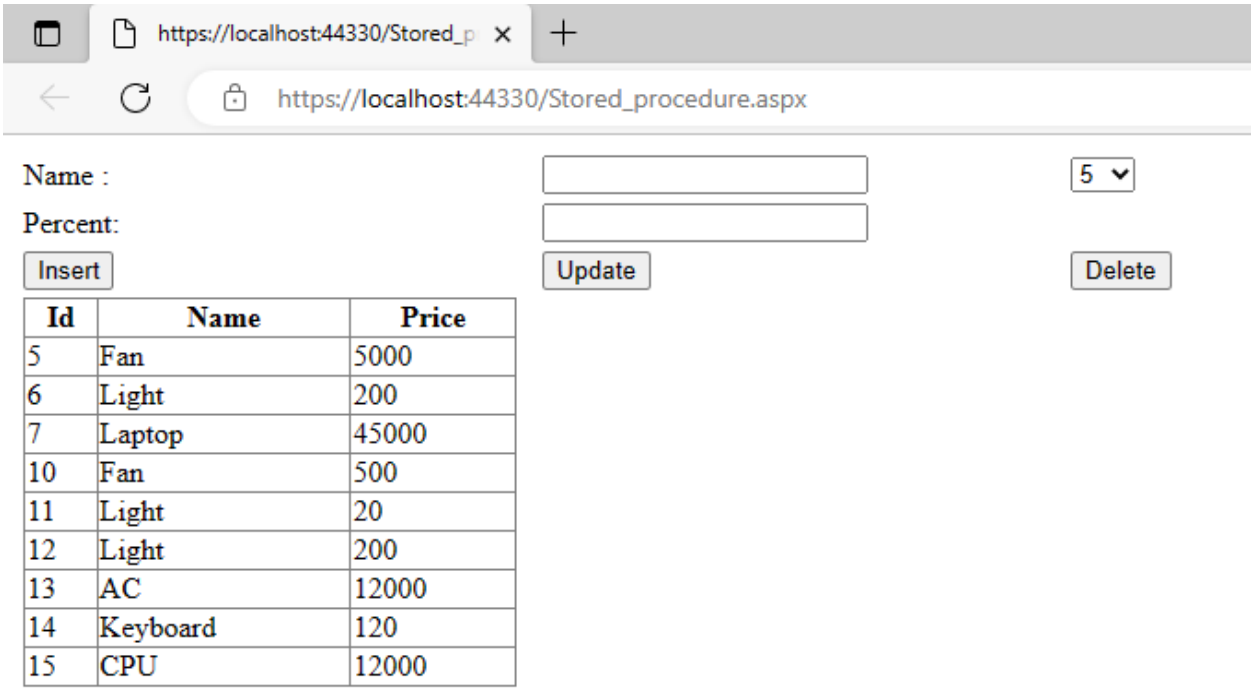

Id	Name	Price
5	Fan	5000
6	Light	200
7	Laptop	45000
10	Fan	500
11	Light	20
12	Light	200
13	AC	12000
14	Keyboard	120
15	CPU	12000

Insert Command:

Name: Rutvik Redkar
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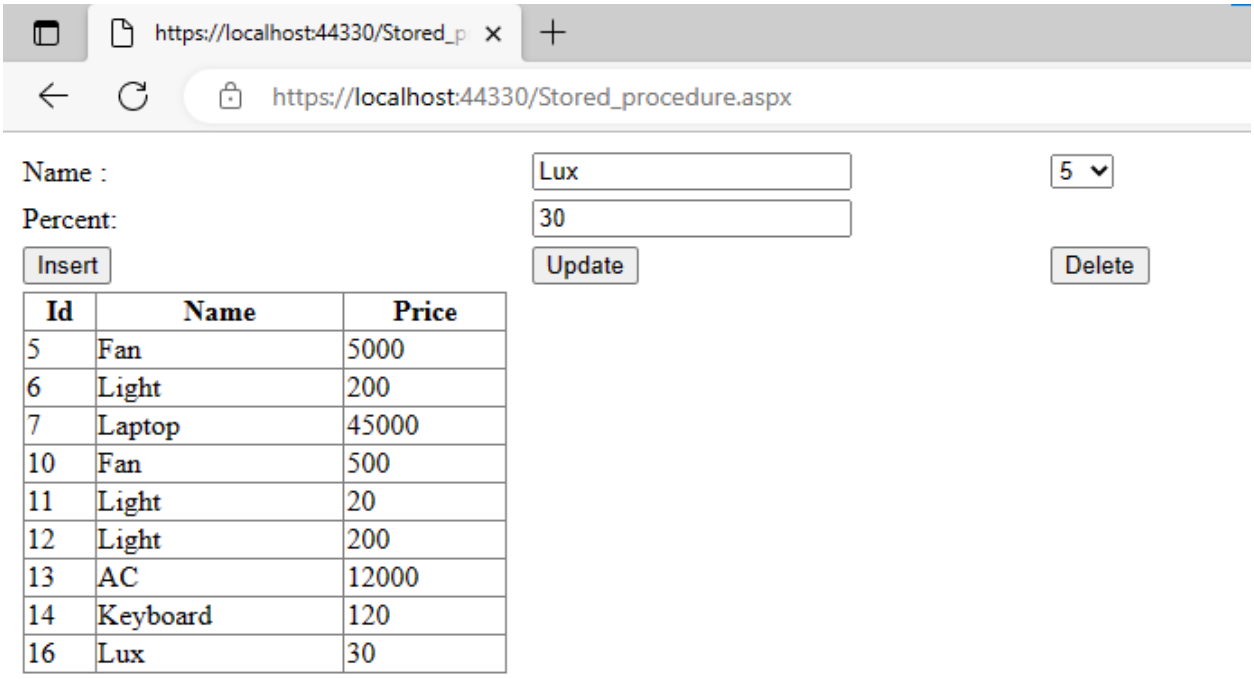

6. Write a program to display all products in the drop down list and after choosing the product it will display detail in gridview control.

   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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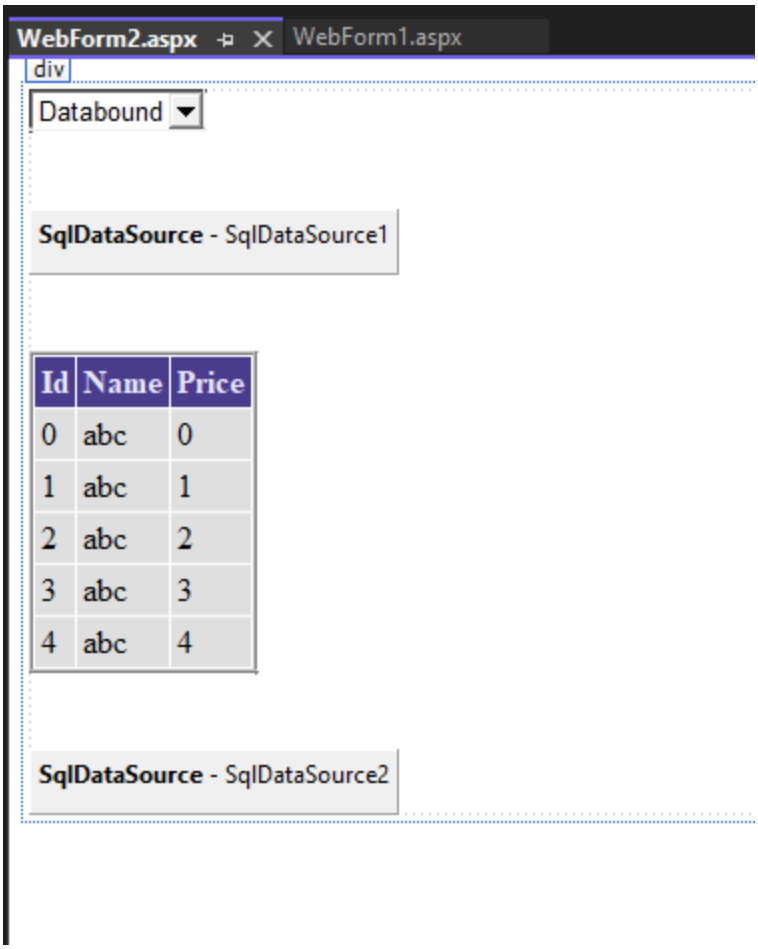

Webform1.aspx code:

```
<%@ 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"
HorizontalAlign="Right" />
            <RowStyle BackColor="#DEDFDE" 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 :

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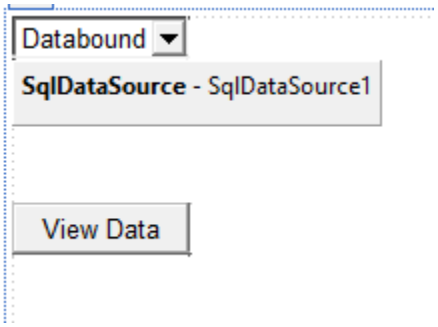
Aim : Write a program to select employee name from first page and display information on the second page (use query string parameter)

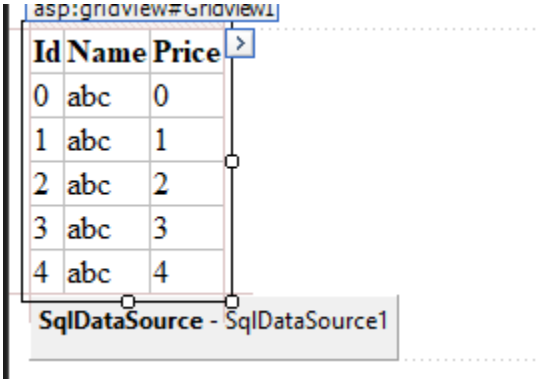
Objective : To select employee name from first page and display information on the second page (use query string parameter)

Code :

Webform3.aspx design:



Webform4.aspx design :



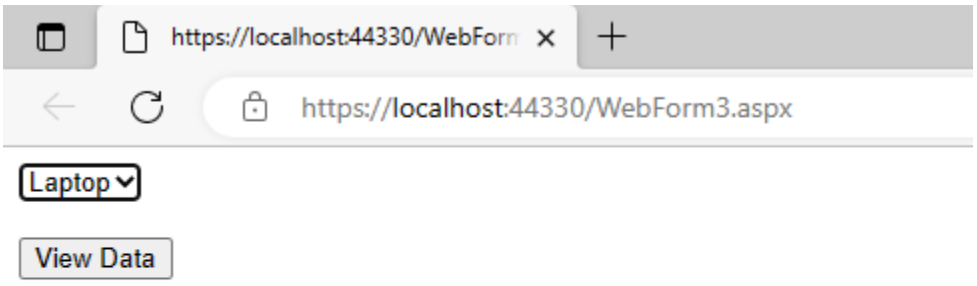
Werbform3.aspx.cs:

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

namespace Assign2_2
{
```

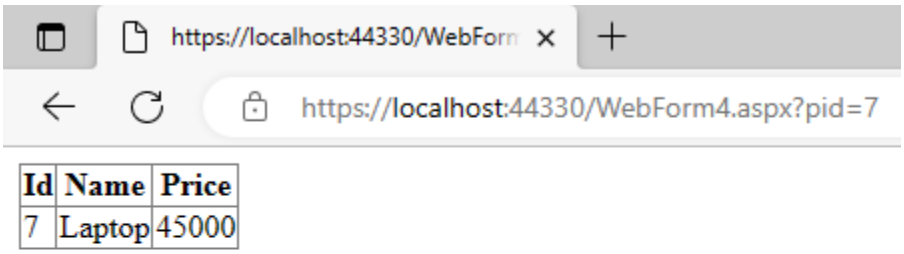
Name: Rutvik Redkar
Roll no: 90

```
    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



Id	Name	Price
7	Laptop	45000

8. **Write a program to demonstrate gridview control.**

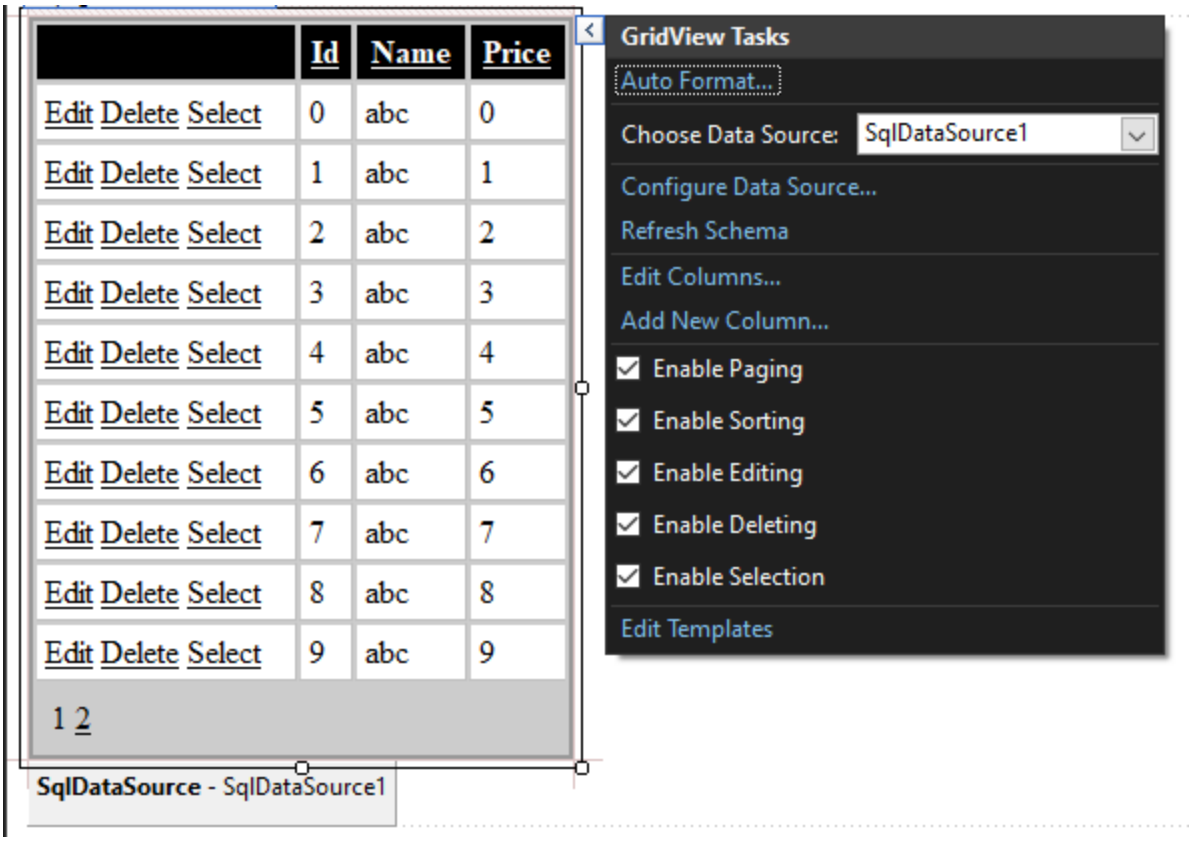
Aim : Write a program to demonstrate gridview control

Objective : To demonstrate gridview control

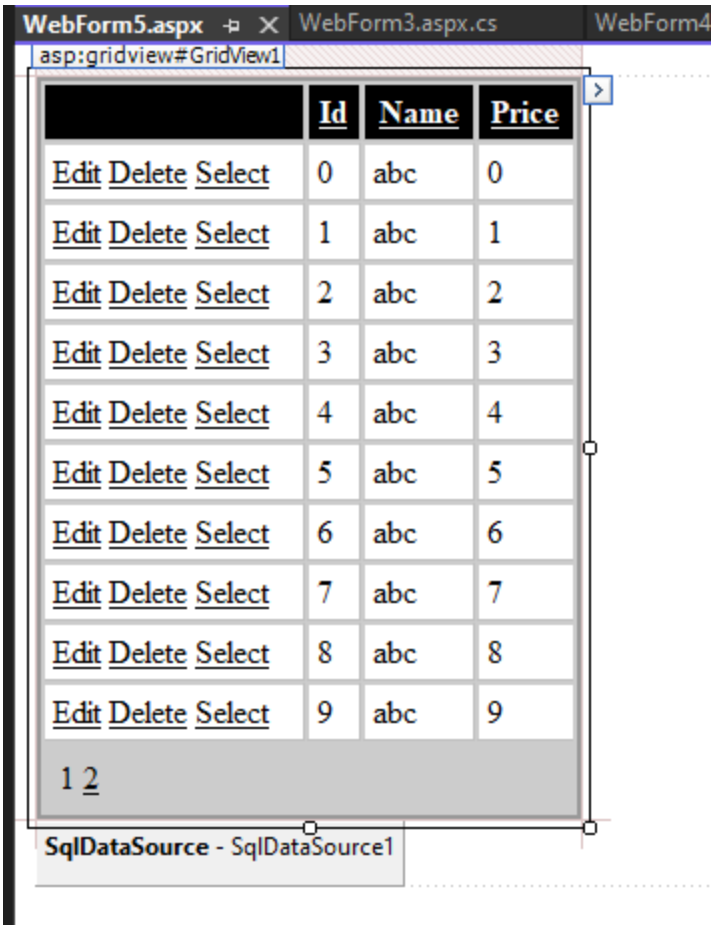
Code :

webform 5.aspx:

Name: Rutvik Redkar
Roll no: 90



Name: Rutvik Redkar
Roll no: 90



Output :

Name: Rutvik Redkar
Roll no: 90

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

Update:

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

Name: Rutvik Redkar
Roll no: 90

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

Delete 9 Id :

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

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

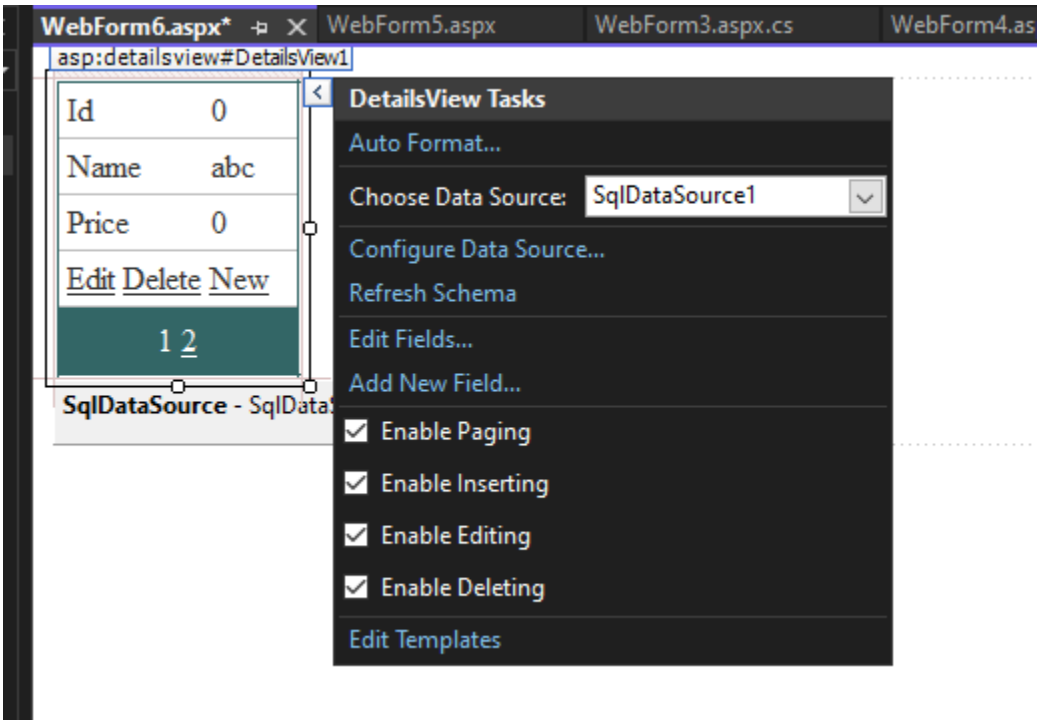
   Aim : Write a program to demonstrate crud operation in detailsview control.

   Objective : To demonstrate crud operation in detailsview control

Name: Rutvik Redkar
Roll no: 90

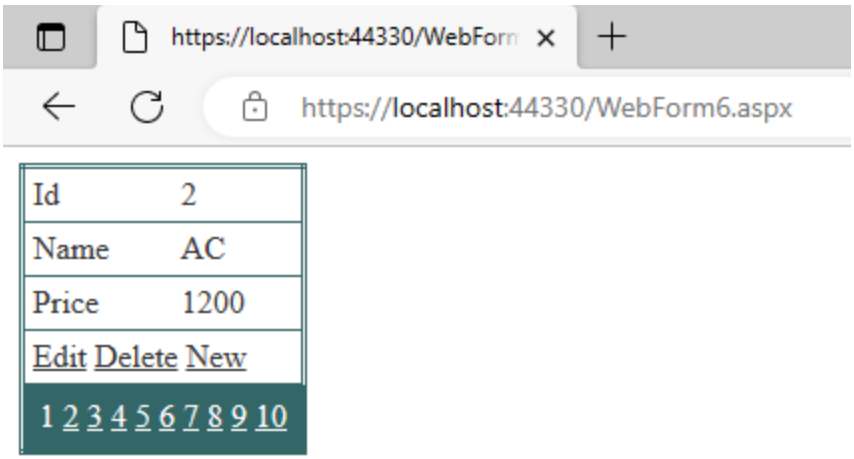
Code :

Webform6.aspx:

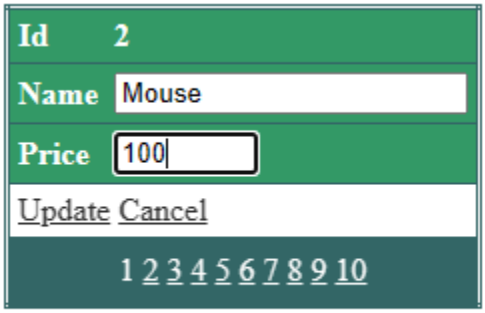


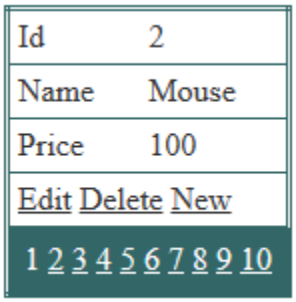
Output :

Name: Rutvik Redkar
Roll no: 90



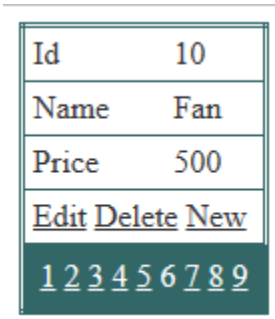
Update:



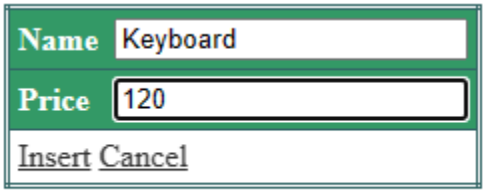


Name: Rutvik Redkar
Roll no: 90

Deleted 10th record:



Insert Operation:



10. Write a program to demonstrate Formview control.

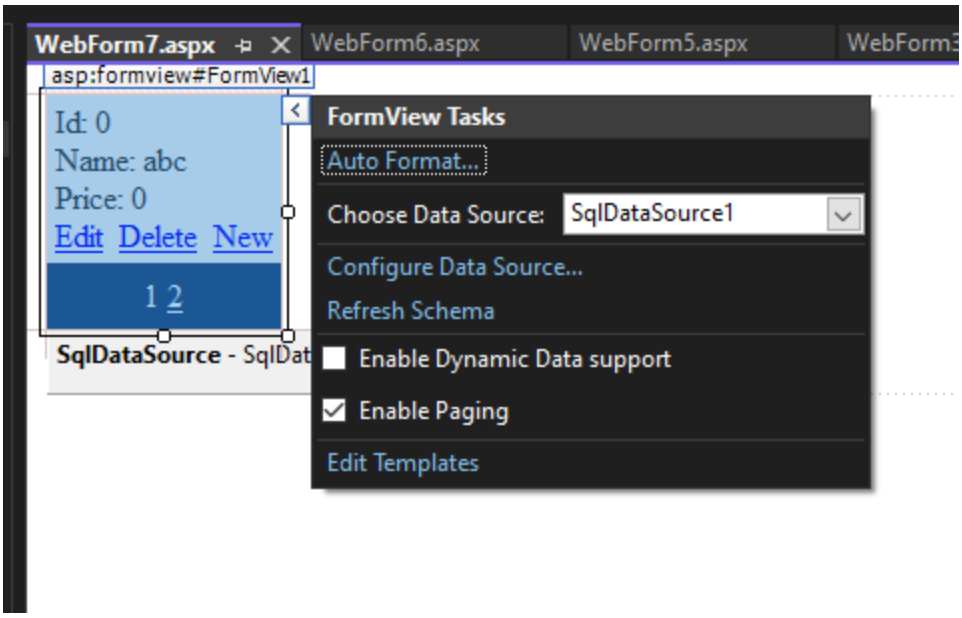
Aim : Write a program to demonstrate Formview control.

Objective : To demonstrate Formview control.

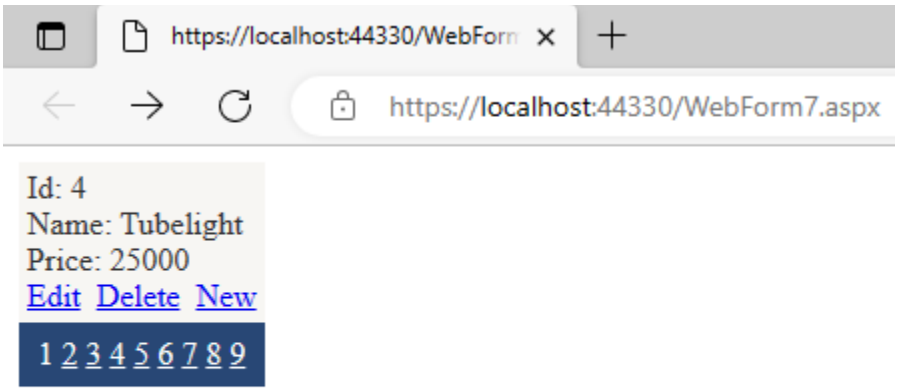
Code :

Webform7.aspx:

Name: Rutvik Redkar
Roll no: 90

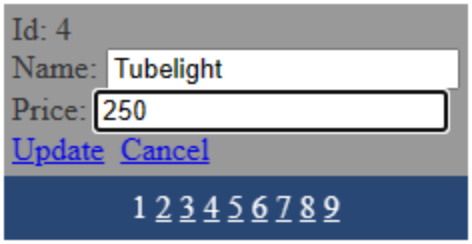


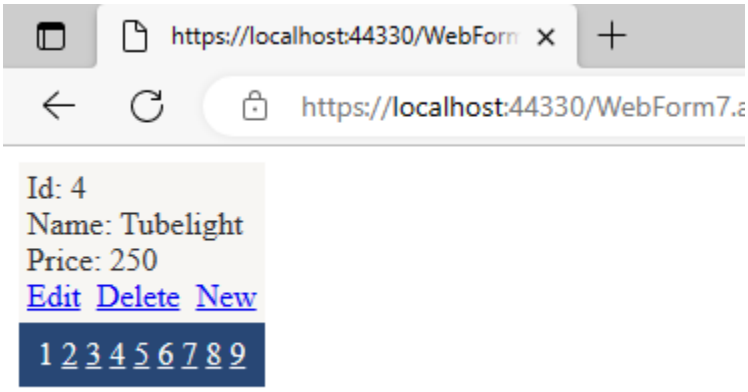
Output :



Update Operation :

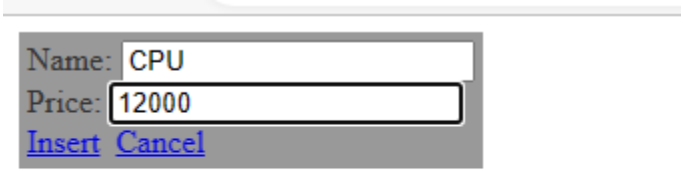
Name: Rutvik Redkar
Roll no: 90



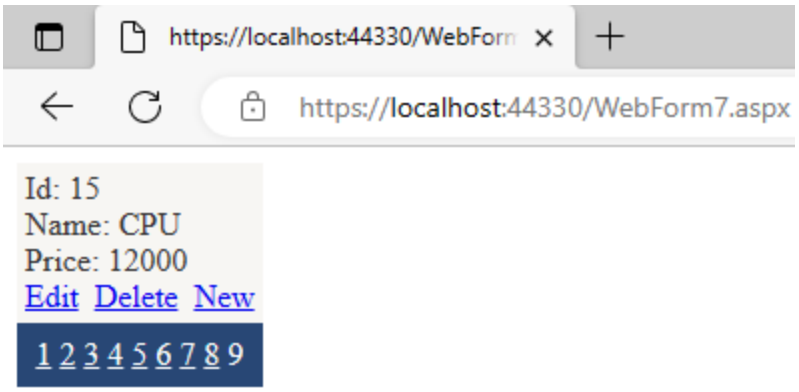


Id 4 is deleted:

Insert Operation:



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">

Name: Rutvik Redkar
Roll no: 90

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

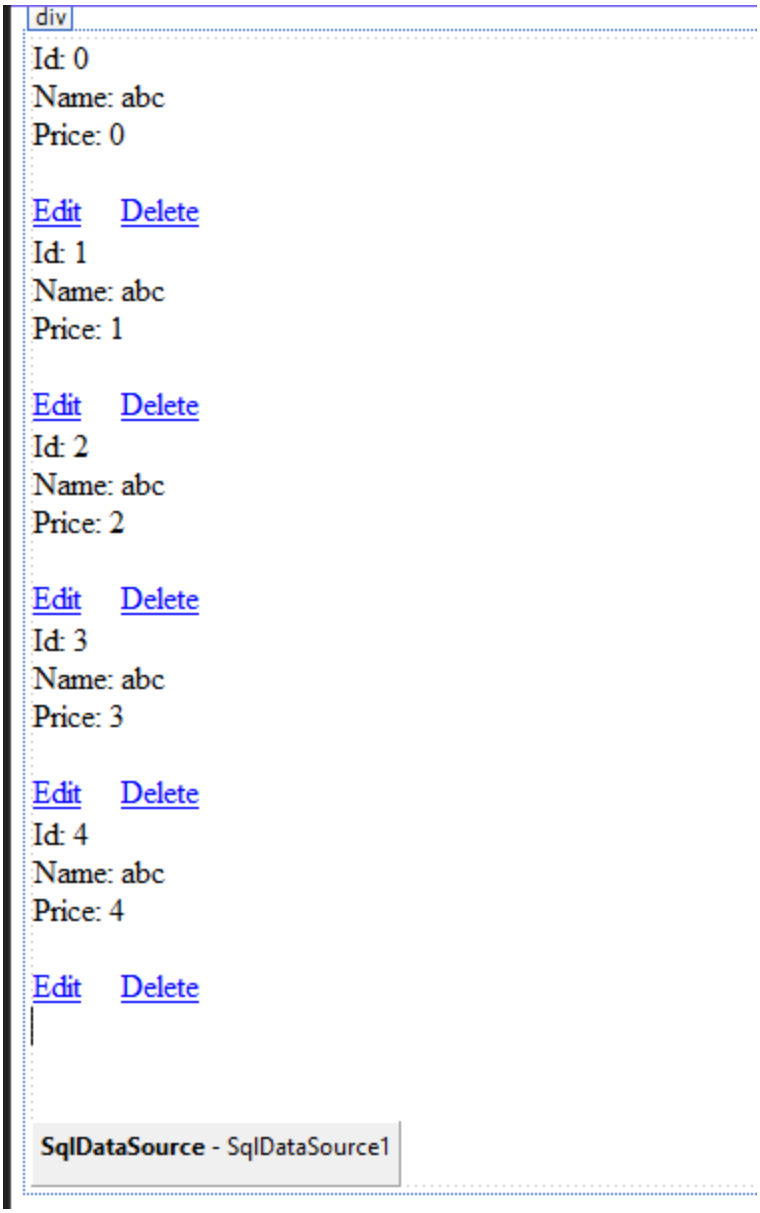
```
                <br />
                Name:
                <asp:Label ID="NameLabel" runat="server" Text='<%# Eval("Name") %>'
/>
                <br />
                Price:
                <asp:Label ID="PriceLabel" runat="server" Text='<%# Eval("Price") %>' />
                <br />
                <br />
                <asp:LinkButton ID="LinkButton1" runat="server"
CommandName="Edit">Edit</asp:LinkButton>
                   
                <asp:LinkButton ID="LinkButton2" runat="server"
CommandName="Delete">Delete</asp:LinkButton>
<br />
            </ItemTemplate>
        </asp:DataList>
 <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



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 DataList1_CancelCommand(object source,
DataListCommandEventArgs e)
      {
         DataList1.EditItemIndex = -1;
         DataList1.DataBind();

      }

      protected void DataList1_DeleteCommand(object 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

Name: Rutvik Redkar
Roll no: 90

Fan Updated:

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

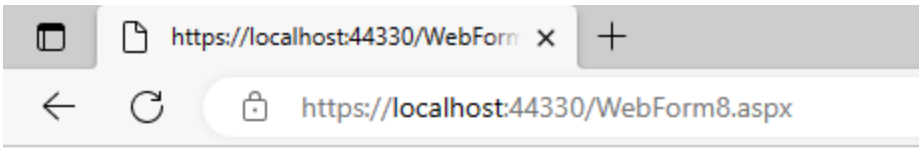
Edit Delete
Id: 13
Name: AC
Price: 12000

Edit Delete
Id: 14
Name: Keyboard
Price: 120

Edit Delete
Id: 16
Name: Lux

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.

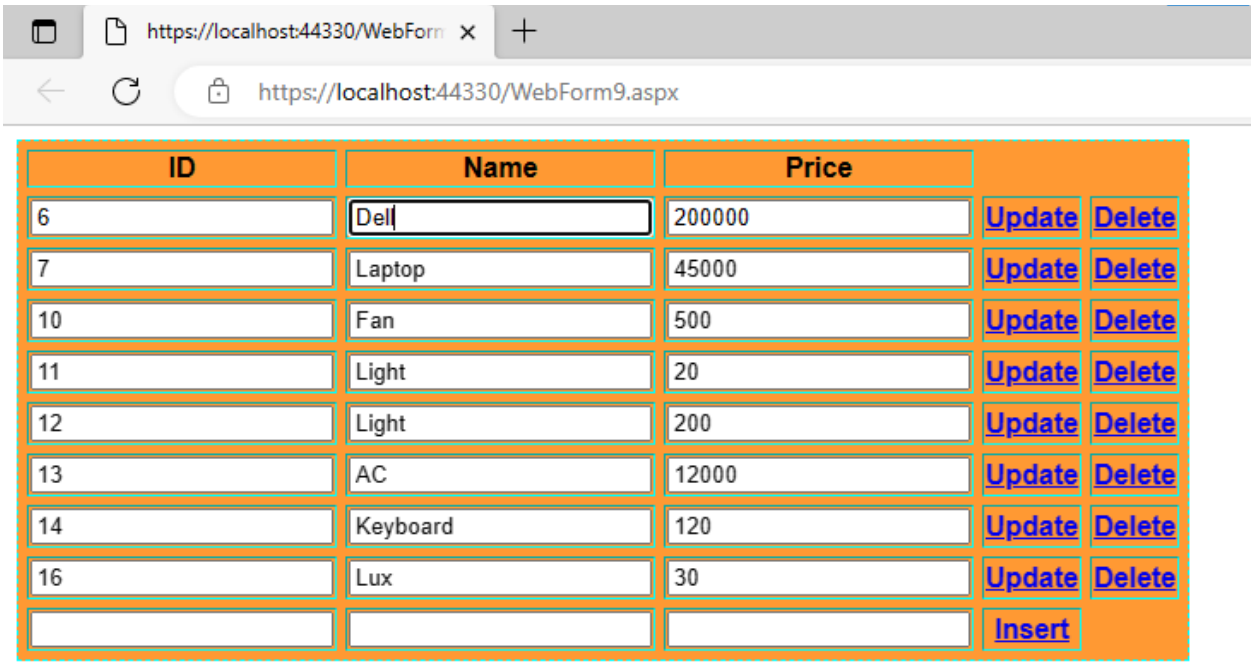
Aim : Write a program to demonstrate Repeater control.

Objective : To demonstrate Repeater control.

Code :

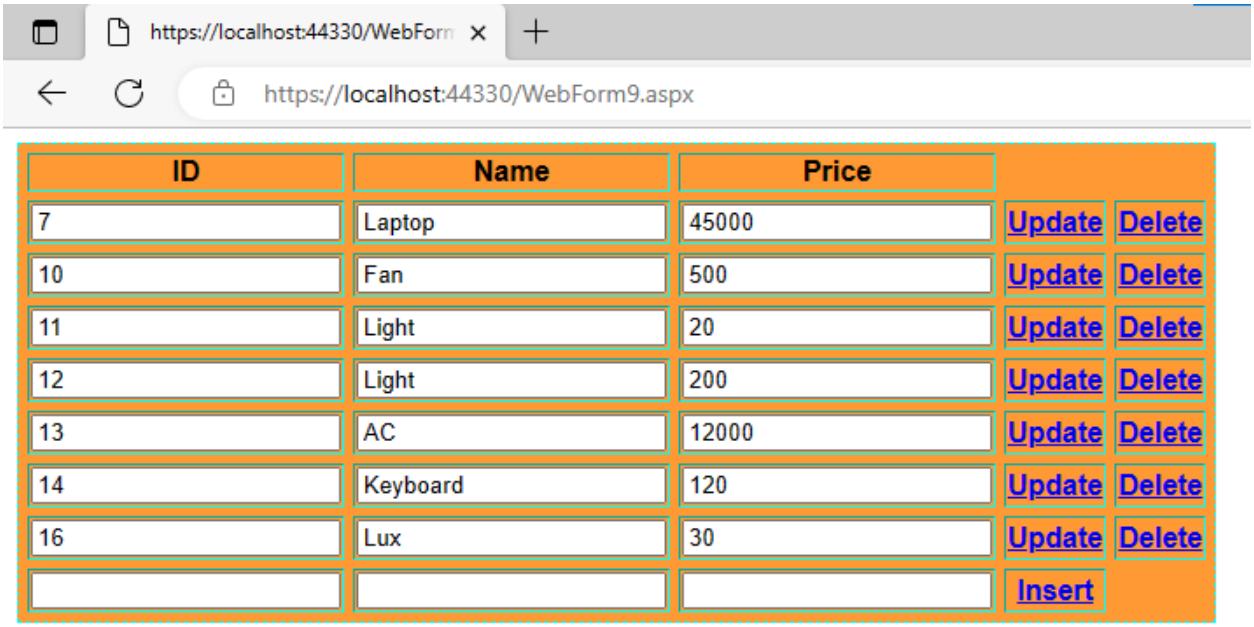
Output :

Update Command:



Dell Deleted:

Name: Rutvik Redkar
Roll no: 90



Insert Command:

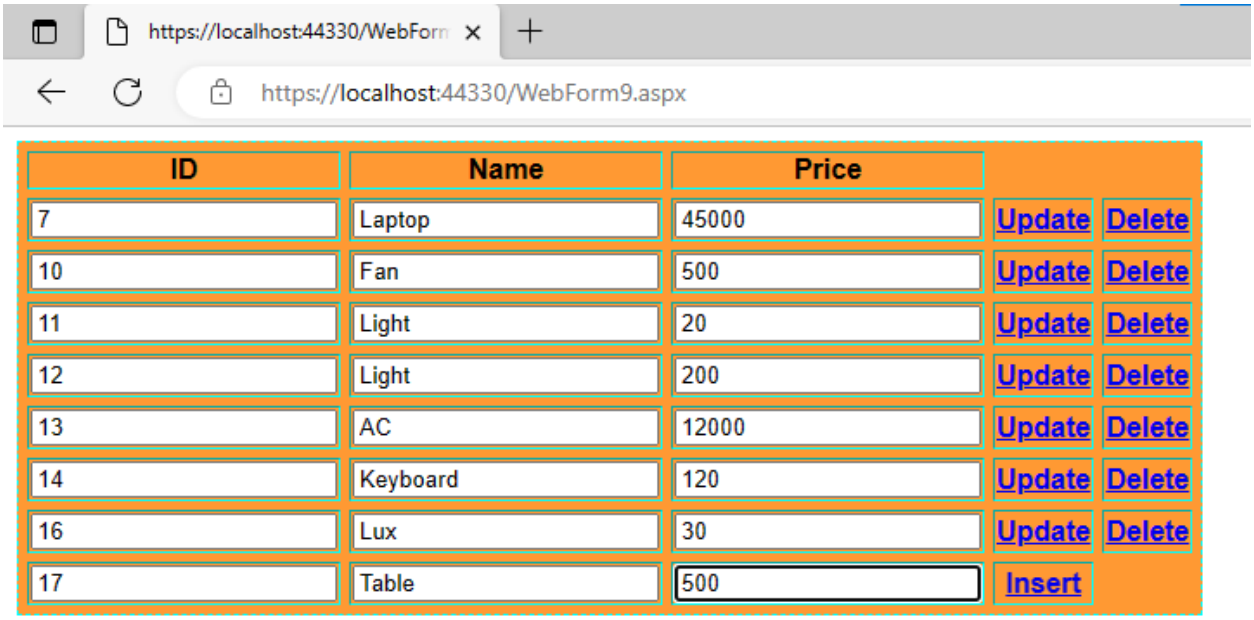
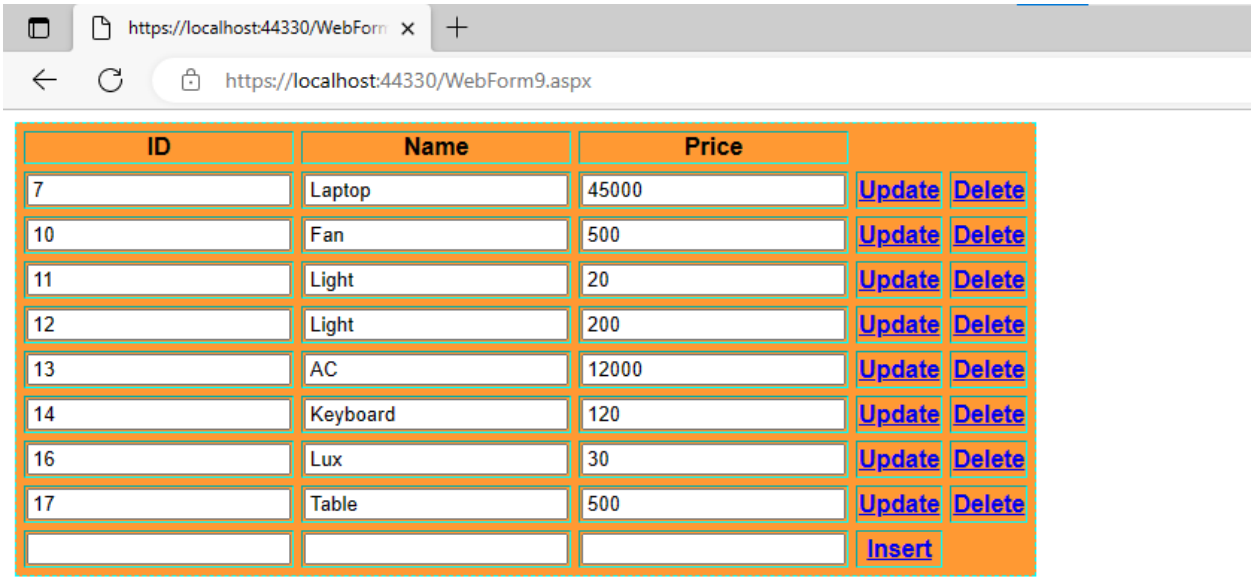


Table Inserted:

Name: Rutvik Redkar
Roll no: 90



13. Write a program to demonstrate Listview control.

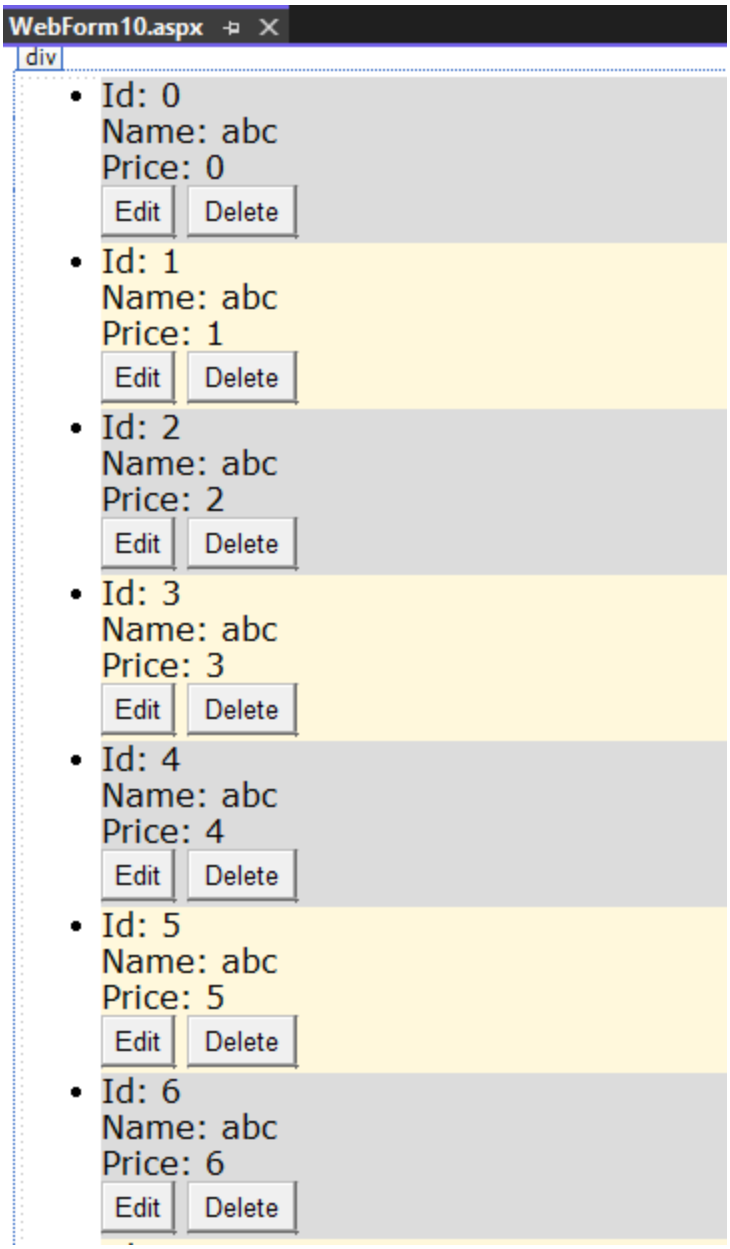
Aim : Write a program to demonstrate Listview control.

Objective : To demonstrate Listview control.

Code :

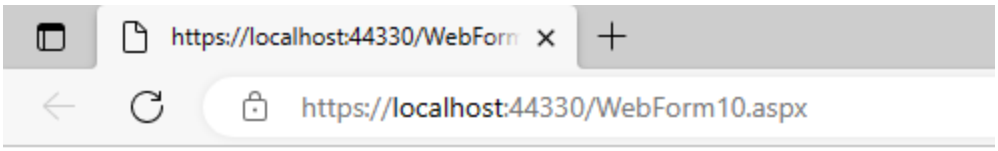
Webapplication 10.aspx:

Name: Rutvik Redkar
Roll no: 90



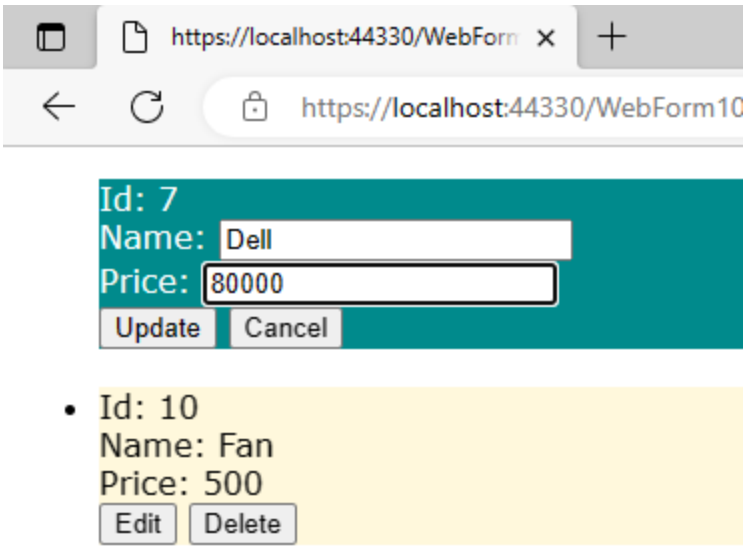
Output :

Name: Rutvik Redkar
Roll no: 90

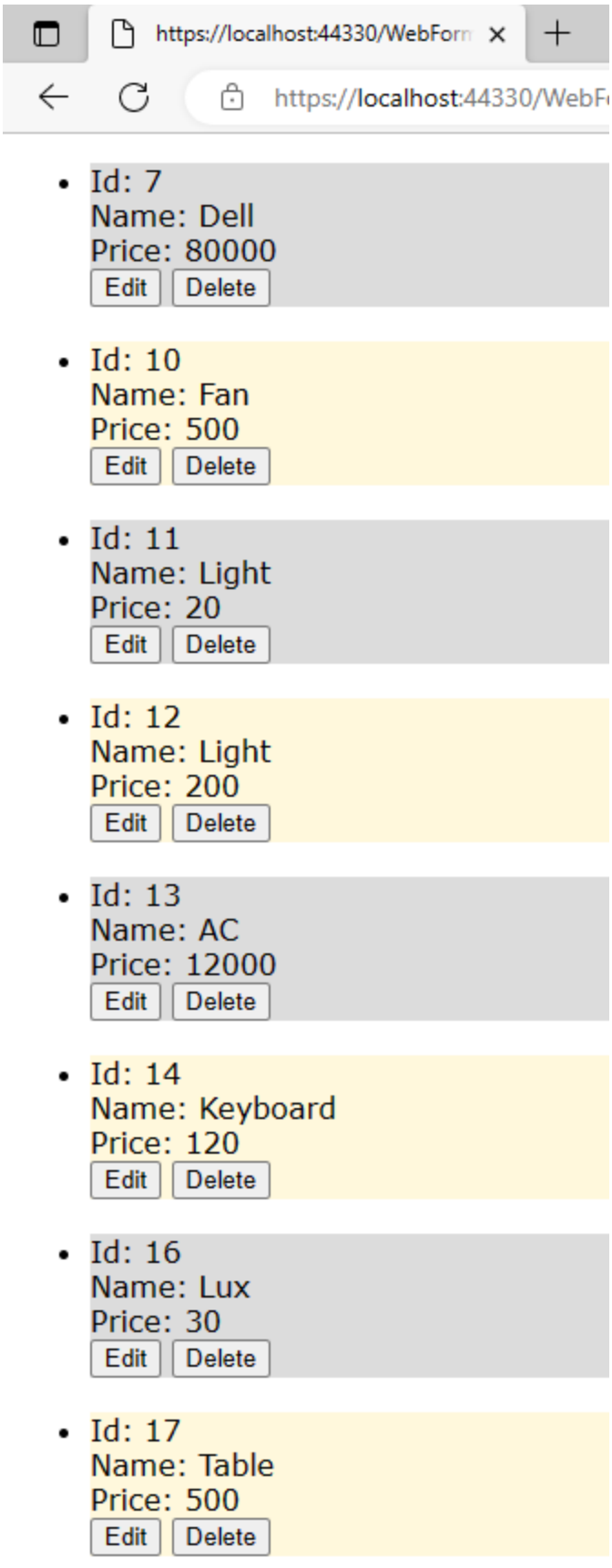


- Id: 7
  Name: Laptop
  Price: 45000
  Edit Delete
- Id: 10
  Name: Fan
  Price: 500
  Edit Delete
- Id: 11
  Name: Light
  Price: 20
  Edit Delete
- Id: 12
  Name: Light
  Price: 200
  Edit Delete
- Id: 13
  Name: AC
  Price: 12000
  Edit Delete
- Id: 14
  Name: Keyboard
  Price: 120
  Edit Delete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

Name: Rutvik Redkar
Roll no: 90



Name: Rutvik Redkar
Roll no: 90



Name: Rutvik Redkar
Roll no: 90

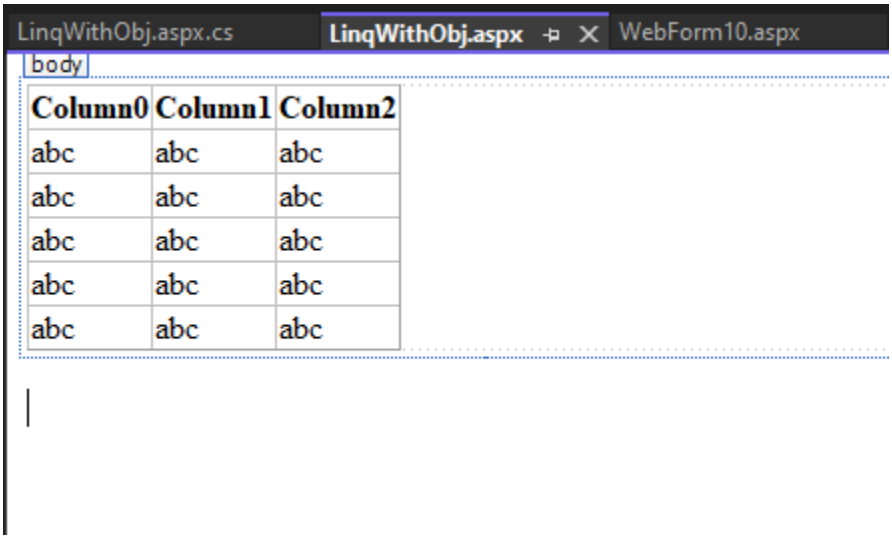
14. Write a program to demonstrate LINQ to in memory objects.

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

Objective : To demonstrate LINQ to in memory objects.

Code :

LinqWithObj.aspx:



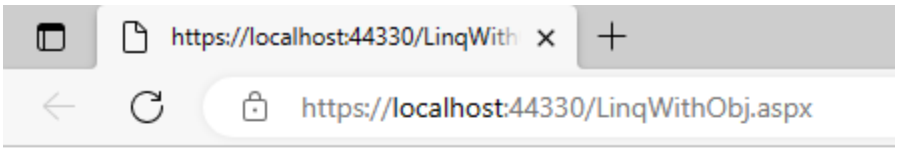
LinqWithObj.aspx.cs:

```
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
```

Name: Rutvik Redkar
Roll no: 90

```
    {
        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 :



Item
10
9
8
7
6
5
4
3

Name: Rutvik Redkar
Roll no: 90

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

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

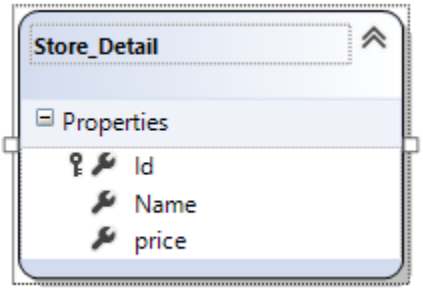
Objective : To demonstrate implementation of LINQ to the database.

Code :

webform 1.aspx:

Column0	Column1	Column2
abc	abc	abc
abc	abc	abc
abc	abc	abc
abc	abc	abc
abc	abc	abc

DataClasses1.dbml:



Webform1.aspx.cs:

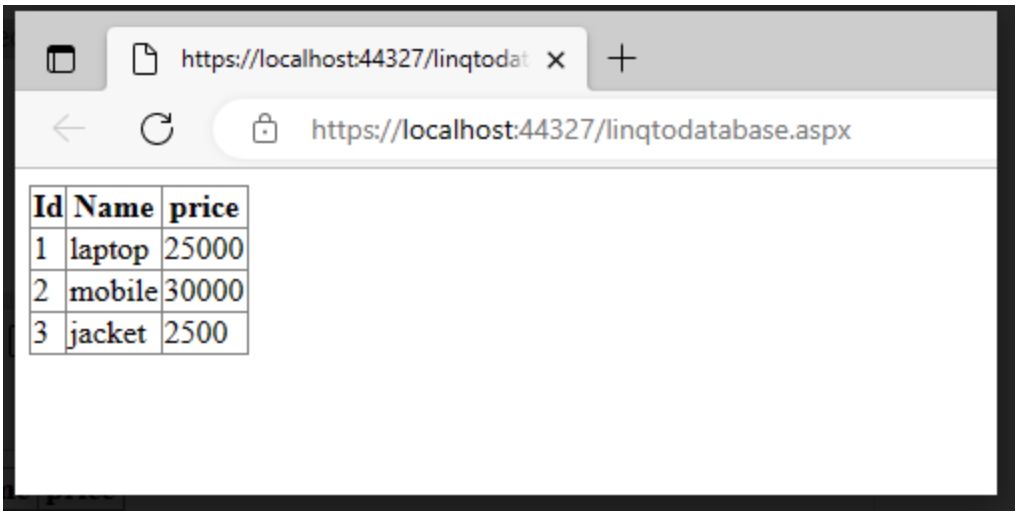
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication22
```

Name: Rutvik Redkar
Roll no: 90

```
{
    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 :

Name: Rutvik Redkar
Roll no: 90



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

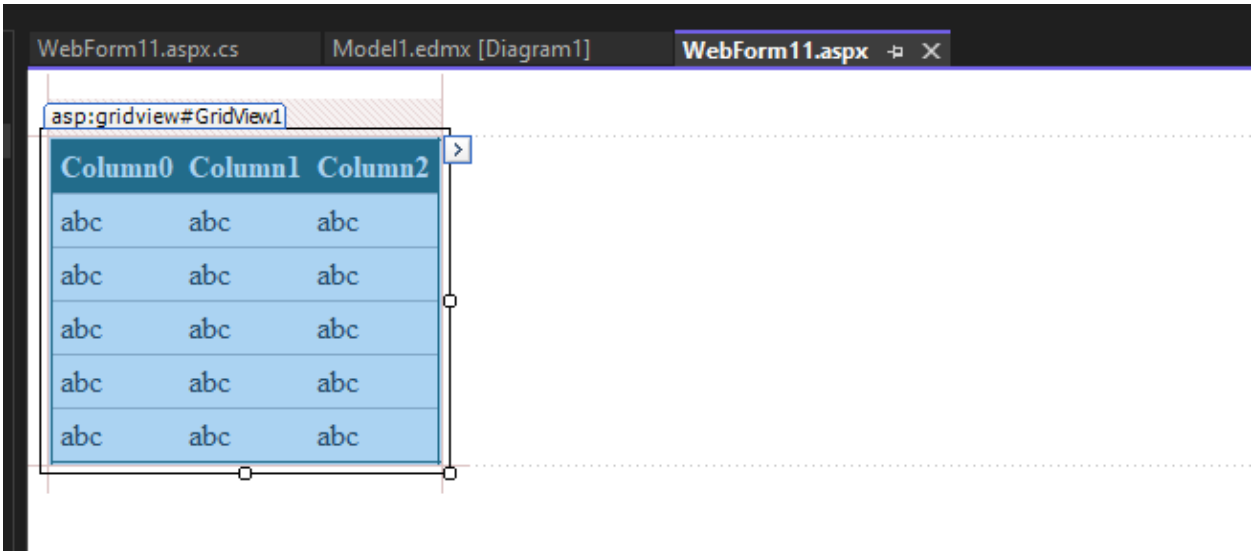
16. Write a program to perform all the operations using Entity Framework.

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

Objective : To perform all the operations using Entity Framework.

Code :

Webform11.aspx:



Model1.edmx(Design):

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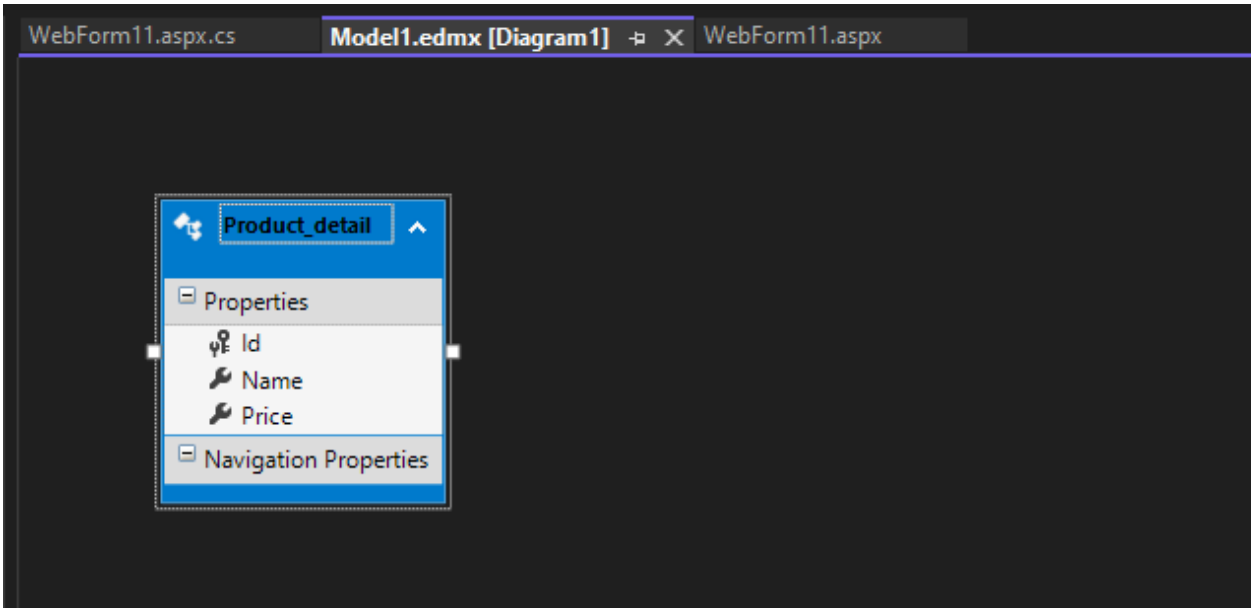


Webform11.aspx.cs:

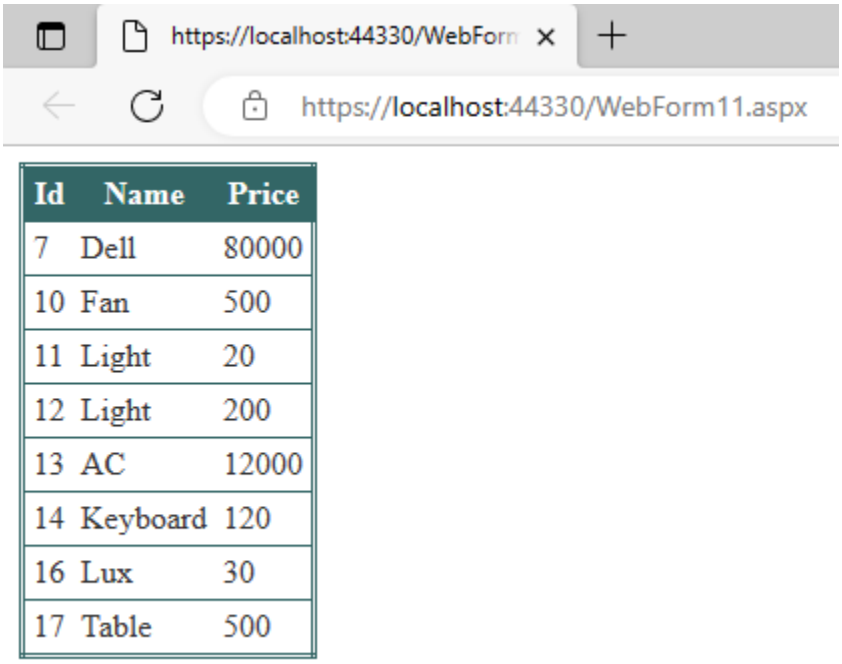
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

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();
      }
```

Name: Rutvik Redkar
Roll no: 90

```
    }
}
```

Output :



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