Program Name: Create an ASP.NET Website that performs CRUD Operations using the Connected Model of ADO.NET with appropriate validations and AJAX.

Login.spx.cs:
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

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

      protected void Button1_Click(object sender, EventArgs e){
         string uname, pswd;
         uname = TextBox1.Text;
         pswd = TextBox2.Text;
         if (uname.Equals("aimit") && pswd.Equals("it")){
            Session["username"] = uname;
            Response.Redirect("cred.aspx");
         }
         else{
            Response.Write("login failed!!! Try again");
         }
      }
   }
}
```

Insert.aspx.cs:
```
using System;
using System.Data.SqlClient;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

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

      protected void Button1_Click(object sender, EventArgs e){
         string pr_name=TextBox1.Text;
         int price = int.Parse(TextBox2.Text);
```

```csharp
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Krithika
Suvarna\source\repos\connected\connected\App_Data\Database1.mdf;Integrated Security=True");
        con.Open();
        SqlCommand cmd= new SqlCommand("insert into Product (Pname,Price)
values('"+pr_name+"','"+price+")",con);
        cmd.ExecuteNonQuery();
        con.Close();
        Response.Write("Inserted Successfully");
    }

    protected void Button2_Click(object sender, EventArgs e){
        Response.Redirect("cred.aspx");
    }

    protected void Button3_Click(object sender, EventArgs e){
        Response.Redirect("Retrieve.aspx");
    }
  }
}
```

Update.aspx.cs:
```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Data.SqlClient;
using System.Data;

using System.Web.UI.WebControls;

namespace connected{
    public partial class Update : System.Web.UI.Page{
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename='C:\Users\Krithika
Suvarna\source\repos\connected\connected\App_Data\Database1.mdf';Integrated Security=True");
        protected void Page_Load(object sender, EventArgs e){
            if (!IsPostBack){
                SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename='C:\Users\Krithika
Suvarna\source\repos\connected\connected\App_Data\Database1.mdf';Integrated Security=True");
                con.Open();
                SqlCommand cmd = new SqlCommand("SELECT PId, Pname,Price FROM Product",con);
                SqlDataReader dr = cmd.ExecuteReader();
                ddlProduct.DataSource = dr;
                ddlProduct.DataTextField = "Pname";
                ddlProduct.DataValueField = "PId";
                ddlProduct.DataBind();
                ddlProduct.Items.Insert(0, new ListItem("Select"));
            }
        }
        static int pid;
```

```csharp
        protected void Button1_Click(object sender, EventArgs e){
            String pname = TextBox1.Text;
            int price = int.Parse(TextBox2.Text);
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True");
            con.Open();
            SqlCommand cmd = new SqlCommand("UPDATE Product SET Pname = '"+pname+"', Price =
"+price+" WHERE PId = "+pid, con);

            cmd.ExecuteNonQuery();
            con.Close();
            Response.Write("Updated Successfully");
        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e){
            pid = int.Parse(ddlProduct.SelectedValue);
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True");
            con.Open();
            SqlCommand cmd = new SqlCommand("SELECT Pname,Price from Product WHERE PId = " +
pid, con);

            SqlDataReader dr = cmd.ExecuteReader();
            while (dr.Read()){
                TextBox1.Text = dr.GetString(0);
                TextBox2.Text = dr.GetInt32(1).ToString();
            }
        }

        protected void Button2_Click(object sender, EventArgs e){
            Response.Redirect("Retrieve.aspx");
        }

        protected void Button3_Click(object sender, EventArgs e){
            Response.Redirect("cred.aspx");
        }
    }
}
```

Delete.aspx.cs:
```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Data.SqlClient;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;

namespace connected{
    public partial class Delete : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e){
            if (!IsPostBack){
```

```csharp
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True");
            con.Open();
            SqlCommand cmd = new SqlCommand("SELECT PId, Pname,Price FROM Product", con);
            SqlDataReader dr = cmd.ExecuteReader();
            DropDownList1.DataSource = dr;
            DropDownList1.DataTextField = "Pname";
            DropDownList1.DataValueField = "PId";
            DropDownList1.DataBind();
            DropDownList1.Items.Insert(0, new ListItem("Select"));
        }
    }
    static int pid;
    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e){
        pid = int.Parse(DropDownList1.SelectedValue);
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True");
        con.Open();
        SqlCommand cmd = new SqlCommand("SELECT PId, Pname,Price FROM Product WHERE PId =
" + pid, con);
        SqlDataReader dr = cmd.ExecuteReader();
        while (dr.Read()){
            TextBox1.Text = dr.GetString(1);
            TextBox2.Text = dr.GetInt32(2).ToString();
        }
    }
    protected void Button1_Click(object sender, EventArgs e){
        String pname = TextBox1.Text;
        int price = int.Parse(TextBox2.Text);
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True");
        con.Open();
        SqlCommand cmd = new SqlCommand("DELETE FROM Product WHERE PId=" + pid,con);
        cmd.ExecuteNonQuery();
        con.Close();
        Response.Write("Deleted Successfully");
    }

    protected void Button2_Click(object sender, EventArgs e){
        Response.Redirect("Retrieve.aspx");
    }

    protected void Button3_Click(object sender, EventArgs e){
        Response.Redirect("cred.aspx");
    }
  }
}
```

Retrieve.aspx.cs:

```csharp
using System;
using System.Data.SqlClient;
using System.Collections.Generic;
```

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

namespace connected{
    public partial class Retrieve : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e){
            SqlConnection con = new SqlConnection(@"Data Source = (LocalDB)\MSSQLLocalDB;
AttachDbFilename = ''C:\Users\MCA_C#\source\repos\connected\connected\App_Data\Database1.mdf';
Integrated Security = True");
            con.Open();
            SqlCommand cmd = new SqlCommand("SELECT * From Product",con);
            SqlDataReader dr = cmd.ExecuteReader();
            GridView1.DataSource = dr;
            GridView1.DataBind();
            con.Close();
        }
        protected void Button1_Click(object sender, EventArgs e){
            Response.Redirect("cred.aspx");
        }
    }
}
```

Cred.aspx.cs:

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

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

        protected void Button3_Click(object sender, EventArgs e){
            Response.Redirect("Delete.aspx");
        }

        protected void Button1_Click(object sender, EventArgs e){
            Response.Redirect("Insert.aspx");
        }

        protected void Button2_Click(object sender, EventArgs e){
            Response.Redirect("Update.aspx");
        }

        protected void Button4_Click(object sender, EventArgs e){
            Response.Redirect("Retrieve.aspx");
        }
    }
}
```

Output:
Login:

Enter the Name [   ]

login failed!!! Try again
Enter the Name   [hello   ]

Enter the Password [   ]

Enter the Password   [world   ]

[LOGIN]

[LOGIN]

Enter the Name   [aimit   ]

Enter the Password   [it   ]

[LOGIN]

Home:

[Insert]   [Update]   [Delete]   [Retrieve]

Insert:

Enter the Product Name   [Skybags   ]

Enter the Price   [2000   ]

[Insert]   [Back Home]   [Display]

Inserted Successfully

Enter the Product Name   [Skybags   ]

Enter the Price   [2000   ]

[Insert]   [Back Home]   [Display]

PId	Pname	Price
8	Skybags	2000
10	Handbag	500
11	Classmate Book	50

[Back Home]

Update:

Choose Product   Select ▾

                               Select
                               Skybags
Enter Product Name   Handbag
                               Classmate Book

Enter the Product Price   [   ]

[Update   ]   [Display   ]   [Back Home   ]

Updated Successfully

Choose Product   Handbag ▾

Enter Product Name   Handbag

Enter the Product Price   700

[Update   ]   [Display   ]   [Back Home   ]

PId	Pname	Price
8	Skybags	2000
10	Handbag	700
11	Classmate Book	50

[Back Home   ]

Delete:

Choose Product   Select ▾

Select
Skybags
Handbag
Classmate Book

Enter Product Name

Enter the Product Price [_____]

| Delete | Display | Back Home |

Deleted Successfully

Choose Product   Classmate Book ▾

Enter Product Name   Classmate Book

Enter the Product Price   50

| Delete | Display | Back Home |

PId	Pname	Price
8	Skybags	2000
10	Handbag	700

| Back Home |

Register Number: 2117010
Program Number: 19
Date: 01-03-2023
Program Name: Create an ASP.NET Website that performs CRUD Operations using theDisconnected Model of ADO.NET with appropriate validations and AJAX

Login.aspx.cs:
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

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

        protected void Button1_Click(object sender, EventArgs e){
            string uname, pswd;
            uname = TextBox1.Text;
            pswd = TextBox2.Text;
            if (uname.Equals("aimit") && pswd.Equals("it")){
                Session["username"] = uname;
                Response.Redirect("Home.aspx");
            }
            else{
                Response.Write("login failed!!! Try again");
            }
        }
    }
}
```

Insert.aspx.cs:
```
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;


namespace Disconnected{
    public partial class Insert : System.Web.UI.Page{
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True;Connect Timeout=30");
        protected void Page_Load(object sender, EventArgs e){ }

        protected void Button1_Click(object sender, EventArgs e){
            con.Open();
```

```csharp
        String pr_name = TextBox1.Text;
        int price = int.Parse(TextBox2.Text);
        SqlDataAdapter DA = new SqlDataAdapter("insert into Product(Pname, Price)VALUES('" +
pr_name + "', " + price + ")", con);

        SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
        DataSet DS = new DataSet();
        DA.Fill(DS, "Product");
        Response.Write("Inserted Successfully");
        Response.AddHeader("refresh", "5;Retrieve.aspx");
    }

    protected void Button2_Click(object sender, EventArgs e){
        Response.Redirect("Home.aspx");

    }

    protected void Button3_Click(object sender, EventArgs e){
        Response.Redirect("Retrieve.aspx");

    }
  }
}
```

Update.aspx.cs:

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

namespace Disconnected{
    public partial class Update : System.Web.UI.Page
{
    SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True;Connect Timeout=30");

    protected void Page_Load(object sender, EventArgs e){
        if (!IsPostBack){
            con.Open();
            SqlDataAdapter DA = new SqlDataAdapter("SELECT PId, Pname,Price FROM Product", con);
            SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
            DataSet DS = new DataSet();
            DA.Fill(DS);
            ddlProduct.DataSource = DS;
            ddlProduct.DataTextField = "Pname";
            ddlProduct.DataValueField = "PId";
            ddlProduct.DataBind();
            ddlProduct.Items.Insert(0, new ListItem("Select"));
        }
    }
```

```csharp
        static int pid;
        protected void ProductList_SelectedIndexChanged(object sender, EventArgs e){
            pid = int.Parse(ddlProduct.SelectedValue);
            con.Open();
            SqlDataAdapter DA = new SqlDataAdapter("SELECT Pname,Price from Product WHERE PId = " +
pid, con);
            SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
            DataSet DS = new DataSet();
            DA.Fill(DS);
            TextBox1.Text = DS.Tables[0].Rows[0][0].ToString();
            TextBox2.Text = DS.Tables[0].Rows[0][1].ToString();
        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            String pname = TextBox1.Text;
            int price = int.Parse(TextBox2.Text);
            //con.Open();
            SqlDataAdapter DA = new SqlDataAdapter("UPDATE Product SET Pname='"+ pname + "',Price="
+ price + " WHERE PId=" + pid, con);
            SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
            DataSet DS = new DataSet("Product");
            DA.Fill(DS, "Product");

            Response.Write("Updated Successfully");
            Response.AddHeader("refresh", "5;Retrieve.aspx");
        }

        protected void Button2_Click(object sender, EventArgs e){
            Response.Redirect("Home.aspx");
        }

        protected void Button3_Click(object sender, EventArgs e){
            Response.Redirect("Retrieve.aspx");
        }
    }
}
```

Delete.aspx.cs:

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

namespace Disconnected{
    public partial class Delete : System.Web.UI.Page{
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True;Connect Timeout=30");
        protected void Page_Load(object sender, EventArgs e){
            if (!IsPostBack){
                con.Open();
```

```csharp
        SqlDataAdapter DA = new SqlDataAdapter("SELECT PId, Pname,Price FROM Product", con);
        SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
        DataSet DS = new DataSet();
        DA.Fill(DS);

        ddlProduct.DataSource = DS;
        ddlProduct.DataTextField = "Pname";
        ddlProduct.DataValueField = "PId";
        ddlProduct.DataBind();
        ddlProduct.Items.Insert(0, new ListItem("Select"));
        con.Close();
        }
    }
    static int pid;

    protected void ddlProduct_SelectedIndexChanged(object sender, EventArgs e){
        pid = int.Parse(ddlProduct.SelectedValue);
        con.Open();
        SqlDataAdapter DA = new SqlDataAdapter("SELECT Pname,Price from Product WHERE PId = " +
pid, con);
        SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
        DataSet DS = new DataSet();
        DA.Fill(DS);
        TextBox1.Text = DS.Tables[0].Rows[0][0].ToString();
        TextBox2.Text = DS.Tables[0].Rows[0][1].ToString();
    }
    protected void Button1_Click(object sender, EventArgs e){
        con.Open();
        SqlDataAdapter DA = new SqlDataAdapter("DELETE FROM Product WHERE Pid=" +
        pid, con);
        SqlCommandBuilder BLDR = new SqlCommandBuilder(DA);
        DataSet DS = new DataSet();
        DA.Fill(DS);
        con.Close();
        Response.Write("Deleted Successfully");
    }

    protected void Button2_Click(object sender, EventArgs e){
        Response.Redirect("Home.aspx");
    }

    protected void Button3_Click(object sender, EventArgs e){
        Response.Redirect("Retrieve.aspx");
    }
  }
}
```

Retrieve.aspx.cs:
```csharp
using System;
using System.Collections.Generic;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
```

```csharp
using System.Data;
namespace Disconnected{
    public partial class Retrieve : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e){
            SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=''C:\Users\MCA_C#\source\repos\connected\con
nected\App_Data\Database1.mdf';Integrated Security=True;Connect Timeout=30");
            con.Open();
            SqlDataAdapter DA = new SqlDataAdapter("SELECT * FROM Product", con);
            DataSet DS = new DataSet();
            DA.Fill(DS, "Product");
            GridView1.DataSource = DS;
            GridView1.DataBind();
        }

        protected void Button1_Click(object sender, EventArgs e){
            Response.Redirect("Home.aspx");

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

Home.aspx.cs:
```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace Disconnected{
    public partial class Home : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e)
        { }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("Insert.aspx");
        }

        protected void Button2_Click(object sender, EventArgs e){
            Response.Redirect("Update.aspx");
        }

        protected void Button3_Click(object sender, EventArgs e){
            Response.Redirect("Delete.aspx");
        }

        protected void Button4_Click(object sender, EventArgs e){
            Response.Redirect("Retrieve.aspx");
        }
    }
}
```

Output:

Login:

Enter user name

aimit

Enter password

it

[Login]

Home:

[Insert] [Update] [Delete] [Display]

Insert:

Inserted Successfully

Enter Product Name Wattagirl Perfume

Enter Product Price 250

[Insert] [Back] [Display]

PId	Pname	Price
8	Skybags	2000
10	Handbag	700
12	Wattagirl Perfume	250

[Back]

Update:

Choose Product Select ⌄

Select
Skybags
Handbag
Wattagirl Perfume

Enter Product Name

Enter Product Price

[Update] [Back] [Display]

Updated Successfully
Choose Product [Wattagirl Perfume ▼]

Enter Product Name [Wattagirl Perfume]

Enter Product Price [300]

[Update] [Back] [Display]

PId	Pname	Price
8	Skybags	2000
10	Handbag	700
12	Wattagirl Perfume	300

[Back]

Delete:

Choose Product [Select ▼]

Enter Product Name [ ]

Enter Product Price [ ]

[Delete] [Back] [Display]

Deleted Successfully
Choose Product [Skybags ▼]

Enter Product Name [Skybags]

Enter Product Price [2000]

[Delete] [Back] [Display]

PId	Pname	Price
10	Handbag	700
12	Wattagirl Perfume	300

[Back]

---

homepage.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace linqtosql{
    public partial class homepage : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e)
        { }
        protected void insert_Click(object sender, EventArgs e){
            Response.Redirect("insert.aspx");
        }
        protected void delete_Click(object sender, EventArgs e){
            Response.Redirect("delete.aspx");
        }
        protected void update_Click(object sender, EventArgs e){
            Response.Redirect("update.aspx");
        }
        protected void retrieve_Click(object sender, EventArgs e){
            Response.Redirect("retrieve.aspx");
        }
    }
}
```

insert.aspx.cs

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

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

        protected void insert_Click(object sender, EventArgs e){
            using (DataClasses1DataContext db = new DataClasses1DataContext()){
                tb1_Employee emp = new tb1_Employee(){
                    emp_name = TextBox1.Text,
                    emp_email = TextBox2.Text,
                    emp_dept = TextBox3.Text,
                    emp_yoe = int.Parse(TextBox4.Text)
                };
                db.tb1_Employees.InsertOnSubmit(emp);
                db.SubmitChanges();
```

```
            }
            Response.Redirect("retrieve.aspx");
        }

        protected void back_Click(object sender, EventArgs e){
            Response.Redirect("homepage.aspx");
        }

        protected void retrieve_Click(object sender, EventArgs e){
            Response.Redirect("retrieve.aspx");
        }
    }
}
```

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

namespace linqtosql{
    public partial class retrieve : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e){
            using (DataClasses1DataContext db = new DataClasses1DataContext()){
                var query = from row in db.tb1_Employees select row;
                GridView1.DataSource = query;
                GridView1.DataBind();
            };
        }

        protected void back_Click(object sender, EventArgs e){
            Response.Redirect("homepage.aspx");
        }
    }
}
```

delete.aspx.cs
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace linqtosql
{
    public partial class delete : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                using (DataClasses1DataContext db = new DataClasses1DataContext())
                {
```

```
                    var query = from row in db.tb1_Employees select row;
                    ddl_select.DataSource = query;
                    ddl_select.DataTextField = "emp_name";
                    ddl_select.DataValueField = "emp_id";
                    ddl_select.DataBind();
                    ddl_select.Items.Insert(0, new ListItem("Select an employee"));
                }
            }
        }
        protected void back_Click(object sender, EventArgs e){
            Response.Redirect("homepage.aspx");
        }
        protected void retrieve_Click(object sender, EventArgs e){
            Response.Redirect("retrieve.aspx");
        }
        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e){
            int emp_id = int.Parse(ddl_select.SelectedValue);
            using (DataClasses1DataContext db = new DataClasses1DataContext()){
                var query = (from row in db.tb1_Employees where row.emp_id == emp_id select row).First();
                TextBox1.Text = query.emp_name;
                TextBox2.Text = query.emp_email;
                TextBox3.Text = query.emp_email;
                TextBox4.Text = query.emp_yoe + "";
            }
        }
        protected void delete_Click(object sender, EventArgs e){
            int emp_id = int.Parse(ddl_select.SelectedValue);
            using (DataClasses1DataContext db = new DataClasses1DataContext()){
                var query = (from row in db.tb1_Employees where row.emp_id == emp_id select row).First();
                db.tb1_Employees.DeleteOnSubmit(query);
                db.SubmitChanges();
            }
            Response.Redirect("retrieve.aspx");
        }
    }
}
```

update.aspx.cs
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace linqtosql{
    public partial class update : System.Web.UI.Page{
        protected void Page_Load(object sender, EventArgs e){
            if (!IsPostBack){
                using (DataClasses1DataContext db = new DataClasses1DataContext()){
                    var query = from row in db.tb1_Employees select row;
                    ddl_select.DataSource = query;
                    ddl_select.DataTextField = "emp_name";
                    ddl_select.DataValueField = "emp_id";
                    ddl_select.DataBind();
                    ddl_select.Items.Insert(0, new ListItem("Select an employee"));
```

```csharp
            }
        }
    }
    protected void update_Click(object sender, EventArgs e){
        int emp_id = int.Parse(ddl_select.SelectedValue);
        using (DataClasses1DataContext db = new DataClasses1DataContext()){
            tb1_Employee emp = (from row in db.tb1_Employees where row.emp_id == emp_id select
row).First();
            emp.emp_name = TextBox1.Text;
            emp.emp_email = TextBox2.Text;
            emp.emp_dept = TextBox3.Text;
            emp.emp_yoe = int.Parse(TextBox4.Text);
            db.SubmitChanges();
        }
        Response.Redirect("retrieve.aspx");
    }
    protected void back_Click(object sender, EventArgs e){
        Response.Redirect("homepage.aspx");
    }
    protected void retrieve_Click(object sender, EventArgs e){
        Response.Redirect("retrieve.aspx");
    }
    protected void ddlSelect_SelectedIndexChanged(object sender, EventArgs e){
        int emp_id = int.Parse(ddl_select.SelectedValue);
        using (DataClasses1DataContext db = new DataClasses1DataContext()){
            var query = (from row in db.tb1_Employees where row.emp_id == emp_id select row).First();
            TextBox1.Text = query.emp_name;
            TextBox2.Text = query.emp_email;
            TextBox3.Text = query.emp_email;
            TextBox4.Text = query.emp_yoe + "";
        }
    }
}
}
```

Home Page

[insert] [delete] [update] [retrieve]

Insert

Employee Name: Ramya
Employee Email: ramya123@gmail.com
Employee Department: CS
Employee Yoe: 16789
[insert] [back to home] [retrieve]

emp_id	emp_name	emp_email	emp_dept	emp_yoe
3	Ramya	ramya123@gmail.com	CS	16789

[back to home]

Update:

Choose Employee id: Jiya
Employee name: Jiya
Employee email: jiya@gmail.com
Employee department: jiya@gmail.com

Choose Employee id: Ramya
Employee name: Ramya
Employee email: ramya123@gmail.com
Employee department: ramya123@gmail.com
Employee yoe: 16789
[delete] [back to home] [retrieve]

emp_id	emp_name	emp_email	emp_dept	emp_yoe
3	Ramya	ramya123@gmail.com	CS	16789
4	Jiya Dsouza	jiya@gmail.com	jiya@gmail.com	89654

Delete:

emp_id	emp_name	emp_email	emp_dept	emp_yoe
4	Jiya Dsouza	jiya@gmail.com	jiya@gmail.com	89654

[back to home]