

**Register Number: 2117033**

**Program Number: 18**

**Date: 01-03-2023**

**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);
```

```

        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:**

```

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;
    }
}

```

```

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:**

```

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){

```

```

        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:**

```

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 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:**

```

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	<input type="text"/>	login failed!!! Try again	
		Enter the Name	<input type="text" value="hello"/>
Enter the Password	<input type="password"/>	Enter the Password	<input type="password" value="world"/>
<input type="button" value="LOGIN"/>		<input type="button" value="LOGIN"/>	
Enter the Name	<input type="text" value="aimit"/>		
Enter the Password	<input type="password" value="it"/>		
<input type="button" value="LOGIN"/>			

### Home:

<input type="button" value="Insert"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Retrieve"/>
---------------------------------------	---------------------------------------	---------------------------------------	---

### Insert:

Enter the Product Name	<input type="text" value="Skybags"/>
Enter the Price	<input type="text" value="2000"/>
<input type="button" value="Insert"/>	<input type="button" value="Back Home"/>
<input type="button" value="Display"/>	

Inserted Successfully

Enter the Product Name	<input type="text" value="Skybags"/>
Enter the Price	<input type="text" value="2000"/>
<input type="button" value="Insert"/>	<input type="button" value="Back Home"/>
<input type="button" value="Display"/>	

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

### Update:

Choose Product Select ▼

Enter Product Name Handbag

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

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

Back Home

Delete:

Choose Product

Enter Product Name

Enter the Product Price

Deleted Successfully

Choose Product

Enter Product Name

Enter the Product Price

---

PId	Pname	Price
8	Skybags	2000
10	Handbag	700



**Register Number: 2117033**

**Program Number: 19**

**Date: 01-03-2023**

**Program Name: Create an ASP.NET Website that performs CRUD Operations using the Disconnected 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();
        }
    }
}
```

```

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:**

```

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"));
            }
        }
    }
}

```

```

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:**

```

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();
            }
        }
    }
}

```

```

        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:**

```

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 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:**

```

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

Enter password

#### Home:

---

#### Insert:

Inserted Successfully

Enter Product Name

Enter Product Price

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

#### Update:

---

Choose Product

Enter Product Name

Enter Product Price

- Select
- Skybags
- Handbag
- Wattagirl Perfume

---

Updated Successfully

Choose Product

Enter Product Name

Enter Product Price

---

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

### Delete:

Choose Product

Enter Product Name

Enter Product Price

---

Deleted Successfully

Choose Product

Enter Product Name

Enter Product Price

---

PId	Pname	Price
10	Handbag	700
12	Wattagirl Perfume	300

**Register Number: 2117033**

**Program Number: 20**

**Date: 01-03-2023**

**Program Name: Create an ASP.NET Website that performs CRUD Operations using LINQ to SQL with appropriate validation and AJAX.**

---

**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"));
                }
            }
        }
    }
}

```

```

    }
    }
}
protected void update_Click(object sender, EventArgs e){
    int emp_id = int.Parse(ddl_select.SelectedValue);
    using (DataClasses1DataContext db = new DataClasses1DataContext()){
        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 + "";
    }
}
}
}
}

```

## OUTPUT

### Home Page

[insert](#) [delete](#) [update](#) [retrieve](#)

#### Insert

Employee Name:   
Employee Email:   
Employee Department:   
Employee Yoe:   
[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:    
Employee name:   
Employee email:   
Employee department:   
Choose Employee id:    
Employee name:   
Employee email:   
Employee department:   
Employee yoe:   
[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

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

[back to home](#)

#### Delete: