1.Create a ASP.Net Web form Application to do CRUD operations with database,where Product is the table in database.

Program:

ProductLayer:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.IO;

using System.Data;

using System.Data.SqlClient;

using System.Configuration;

namespace WebTask1

{

public class ProductLayer

{

public DataSet ds = new DataSet();

string constr = "";

public ProductLayer()

{

constr = ConfigurationManager.ConnectionStrings["dp"].ConnectionString;

}

public DataSet Getallrecords()

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

SqlCommand cmd = new SqlCommand();

cmd.CommandText = "GetDataProduct";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter ada = new SqlDataAdapter(cmd);

ada.Fill(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

return ds;

}

public void Insert(string Product\_Id, string Product\_Name, decimal Product\_Price)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Product\_Id",Product\_Id);

cmd.Parameters.AddWithValue("@Product\_Name", Product\_Name);

cmd.Parameters.AddWithValue("@Product\_Price",Product\_Price);

cmd.CommandText = "InsertDataProduct";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

sd.Update(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

}

public DataSet selectById(string Product\_Id)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Product\_Id", Product\_Id);

cmd.CommandText = "SelectDataProduct";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

return ds;

}

public void Delete(string Product\_Id)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Product\_Id", Product\_Id);

cmd.CommandText = "DeleteDataProduct";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

sd.Update(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

}

public void update(string Product\_Id, decimal Product\_Price)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Product\_Id",Product\_Id);

cmd.Parameters.AddWithValue("@Product\_Price", Product\_Price);

cmd.CommandText = "UpdateDataProduct";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

sd.Update(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

}

}

}

Product.ASPX:

<%@ Page Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Product.aspx.cs" Inherits="WebTask1.Product" %>

<asp:Content ID="Prod918" ContentPlaceHolderID="MainContent" runat="server">

<div class="jumbotron" style="background-color:darkkhaki">

<table>

<tr>

<td><asp:Label ID="Label1" runat="server" Text="Product\_Id"></asp:Label></td>

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

</tr>

<tr>

<td><asp:Label ID="Label2" runat="server" Text="Product\_Name"></asp:Label></td>

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

</tr>

<tr>

<td><asp:Label ID="Label3" runat="server" Text="Product\_price"></asp:Label></td>

<td><asp:TextBox ID="TextBox3" runat="server"></asp:TextBox></td>

</tr>

<tr>

<td colspan="2">

<asp:Button ID="Button1" runat="server" Text="Insert" OnClick="Button1\_Click" />

</td>

</tr>

</table>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<asp:Label ID="Label4" runat="server" Text="Product\_Id"></asp:Label>

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button3" runat="server" Text="Select" OnClick="Button3\_Click" />

<br />

<br />

<asp:GridView ID="GridView2" runat="server"></asp:GridView>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<table>

<tr>

<td><asp:Label ID="Label5" runat="server" Text="Product\_Id"></asp:Label></td>

<td><asp:TextBox ID="TextBox5" runat="server"></asp:TextBox></td>

</tr>

<tr>

<td><asp:Label ID="Label6" runat="server" Text="Product\_Price"></asp:Label></td>

<td><asp:TextBox ID="TextBox6" runat="server"></asp:TextBox></td>

</tr>

<tr>

<td colspan="2">

<asp:Button ID="Button4" runat="server" Text="Updadte" OnClick="Button4\_Click" />

</td>

</tr>

</table>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<asp:Label ID="Label7" runat="server" Text="Product\_Id"></asp:Label>

<asp:TextBox ID="TextBox7" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button5" runat="server" Text="Delete" OnClick="Button5\_Click"/>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<asp:Button ID="Button2" runat="server" Text="ShowProductTable" OnClick="Button2\_Click" />

<br />

<br />

<asp:GridView ID="GridView1" runat="server"></asp:GridView>

</div>

</asp:Content>

Customer.Layer:

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.IO;

using System.Data;

using System.Data.SqlClient;

using System.Configuration;

namespace WebTask1

{

public class CustomerLayer

{

public DataSet ds = new DataSet();

string constr = "";

public CustomerLayer()

{

constr = ConfigurationManager.ConnectionStrings["dp"].ConnectionString;

}

public DataSet Getallrecords()

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

SqlCommand cmd = new SqlCommand();

cmd.CommandText = "GetDataCustommer";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter ada = new SqlDataAdapter(cmd);

ada.Fill(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

return ds;

}

public void Insert(string Customer\_Id,string Customer\_Name,string Product\_Id)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Product\_Id", Product\_Id);

cmd.Parameters.AddWithValue("@Customer\_Name", Customer\_Name);

cmd.Parameters.AddWithValue("@Customer-Id",Customer\_Id);

cmd.CommandText = "InsertDataCustomer";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

sd.Update(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

}

public DataSet selectById(string Customer\_Id)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Customer\_Id", Customer\_Id);

cmd.CommandText = "SelectDataCustomer";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

return ds;

}

public void Delete(string Customer\_Id)

{

try

{

using (SqlConnection con = new SqlConnection(constr))

{

con.Open();

SqlCommand cmd = new SqlCommand();

cmd.Parameters.AddWithValue("@Customer\_Id",Customer\_Id);

cmd.CommandText = "DeleteDataCustomer";

cmd.Connection = con;

cmd.CommandType = CommandType.StoredProcedure;

SqlDataAdapter sd = new SqlDataAdapter(cmd);

sd.Fill(ds);

}

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

}

}

}

Customer.aspx:

<%@ Page Language="C#" MasterPageFile="~/Site.Master" AutoEventWireup="true" CodeBehind="Customer.aspx.cs" Inherits="WebTask1.Customer" %>

<asp:Content ID="Cust918" ContentPlaceHolderID="MainContent" runat="server">

<div class="jumbotron" style="background-color:darkkhaki">

<table>

<tr>

<td><asp:Label ID="Label1" runat="server" Text="Customer\_Id"></asp:Label></td>

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

</tr>

<tr>

<td><asp:Label ID="Label2" runat="server" Text="Customer\_Name"></asp:Label></td>

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

</tr>

<tr>

<td><asp:Label ID="Label3" runat="server" Text="Product\_Id"></asp:Label></td>

<td><asp:TextBox ID="TextBox3" runat="server"></asp:TextBox></td>

</tr>

<tr>

<td colspan="2">

<asp:Button ID="Button1" runat="server" Text="Insert" OnClick="Button1\_Click" />

</td>

</tr>

</table>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<asp:Label ID="Label4" runat="server" Text="Customer\_Id"></asp:Label>

<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button3" runat="server" Text="Select" OnClick="Button3\_Click" />

<br />

<br />

<asp:GridView ID="GridView2" runat="server"></asp:GridView>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<asp:Label ID="Label7" runat="server" Text="Customer\_Id"></asp:Label>

<asp:TextBox ID="TextBox7" runat="server"></asp:TextBox>

<br />

<br />

<asp:Button ID="Button5" runat="server" Text="Delete" OnClick="Button5\_Click"/>

</div>

<div class="jumbotron" style="background-color:darkkhaki">

<asp:Button ID="Button2" runat="server" Text="ShowCustomerTable" OnClick="Button2\_Click" />

<br />

<br />

<asp:GridView ID="GridView1" runat="server"></asp:GridView>

</div>

</asp:Content>

2.Create a ASP.net Core MVC web Application ,where Student is a class in Model with S\_id,S\_Name,S\_class,S\_marks.Perform Crud Operations using Entity Framework Core.

3.