List View

File Name Default.aspx

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="default.aspx.cs" Inherits="WebApplication1.\_default" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<h1>Detail View</h1>

<p>Enter Your Roll No. :

<asp:TextBox ID="txtRoll" runat="server"></asp:TextBox></p>

<asp:Button ID="btnFind" runat="server" Text="Find" OnClick="btnFind\_Click" /><br />

<p>Enter Your Name :

<asp:TextBox ID="txtName" runat="server"></asp:TextBox></p>

<p>Enter Your City :

<asp:TextBox ID="txtCity" runat="server"></asp:TextBox></p>

<asp:Button ID="btnSubmit" runat="server" Text="Submit" OnClick="btnSubmit\_Click" />

<asp:Button ID="btnShow" runat="server" Text="Show" OnClick="btnShow\_Click" />

<br />

<asp:ListView ID="ListView1" runat="server" GroupPlaceholderID="GroupPlaceholder1" ItemPlaceholderID="ItemPlaceholder1" OnItemCommand="ListView1\_ItemCommand">

<LayoutTemplate>

<table border="1">

<tr>

<th>Roll no.</th>

<th>Student Name. </th>

<th>City.</th>

<th>Update</th>

<th>Delete</th>

</tr>

<asp:PlaceHolder runat="server" ID="GroupPlaceholder1"></asp:PlaceHolder>

</table>

</LayoutTemplate>

<GroupTemplate>

<tr>

<asp:PlaceHolder runat="server" ID="ItemPlaceholder1"></asp:PlaceHolder>

</tr>

</GroupTemplate>

<ItemTemplate>

<td>

<asp:TextBox ID="txtLid" runat="server" Text='<%# Eval("Id") %>'></asp:TextBox>

</td>

<td>

<asp:TextBox ID="txtLname" runat="server" Text='<%# Eval("Name") %>'></asp:TextBox>

</td>

<td>

<asp:TextBox ID="txtLcity" runat="server" Text='<%# Eval("City") %>'></asp:TextBox>

</td>

<td>

<asp:Button ID="btnUpdate" runat="server" Text="Update" CommandName="update"></asp:Button>

</td>

<td>

<asp:Button ID="btnDelete" runat="server" Text="Delete" CommandName="delete"></asp:Button>

</td>

</ItemTemplate>

</asp:ListView>

</div>

</form>

</body>

</html>

File Name Default.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;

using System.Configuration;

using System.Drawing;

namespace WebApplication1

{

public partial class \_default : System.Web.UI.Page

{

SqlConnection \_connection;

SqlCommand \_command;

SqlDataReader \_reader;

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnShow\_Click(object sender, EventArgs e)

{

//Connection

string path = ConfigurationManager.AppSettings["oldDB"];

\_connection = new SqlConnection(path);

\_connection.Open();

//Query

string select\_q = "SELECT \* FROM old\_student";

\_command = new SqlCommand(select\_q, \_connection);

\_reader = \_command.ExecuteReader();

ListView1.DataSource = \_reader;

ListView1.DataBind();

\_reader.Close();

}

protected void btnSubmit\_Click(object sender, EventArgs e)

{

//Connection

string path = ConfigurationManager.AppSettings["oldDB"];

\_connection = new SqlConnection(path);

\_connection.Open();

//Query

string insert\_q = "INSERT INTO old\_student(Id, Name, City) VALUES (@Id1, @Name1, @City1)";

\_command = new SqlCommand(insert\_q, \_connection);

\_command.Parameters.AddWithValue("Id1", txtRoll.Text);

\_command.Parameters.AddWithValue("Name1", txtName.Text);

\_command.Parameters.AddWithValue("City1", txtCity.Text);

Response.Write("Data Inserted");

\_command.ExecuteNonQuery();

}

protected void btnFind\_Click(object sender, EventArgs e)

{

//Connection

string path = ConfigurationManager.AppSettings["oldDB"];

\_connection = new SqlConnection(path);

\_connection.Open();

//Query

string find\_q = "SELECT \* FROM old\_student WHERE Id = @Id1";

\_command = new SqlCommand(find\_q, \_connection);

\_command.Parameters.AddWithValue("Id1",txtRoll.Text);

\_reader = \_command.ExecuteReader();

ListView1.DataSource = \_reader;

ListView1.DataBind();

\_reader.Close();

}

protected void ListView1\_ItemCommand(object sender, ListViewCommandEventArgs e)

{

if(e.CommandName == "update")

{

//Connection

string path = ConfigurationManager.AppSettings["oldDB"];

\_connection = new SqlConnection(path);

\_connection.Open();

//Find Control

TextBox txtListId = (TextBox)e.Item.FindControl("txtLid");

TextBox txtListName = (TextBox)e.Item.FindControl("txtLname");

TextBox txtListCity = (TextBox)e.Item.FindControl("txtLcity");

//Query

string update\_q = "UPDATE old\_student SET Name = @Name1, City = @City1 WHERE Id = @Id1";

\_command = new SqlCommand(update\_q, \_connection);

\_command.Parameters.AddWithValue("Id1",txtListId.Text);

\_command.Parameters.AddWithValue("Name1", txtListName.Text);

\_command.Parameters.AddWithValue("City1", txtListCity.Text);

\_command.ExecuteNonQuery();

Response.Redirect("default.aspx");

}

else if(e.CommandName == "delete")

{

//Connection

string path = ConfigurationManager.AppSettings["oldDB"];

\_connection = new SqlConnection(path);

\_connection.Open();

//Find Control

TextBox txtListId = (TextBox)e.Item.FindControl("txtLid");

//Query

string update\_q = "DELETE FROM old\_student WHERE Id = @Id1";

\_command = new SqlCommand(update\_q, \_connection);

\_command.Parameters.AddWithValue("Id1", txtListId.Text);

\_command.ExecuteNonQuery();

Response.Redirect("default.aspx");

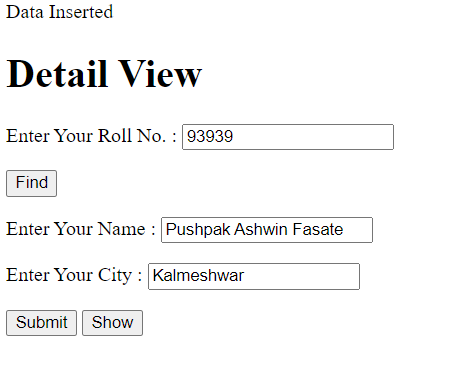
}

}

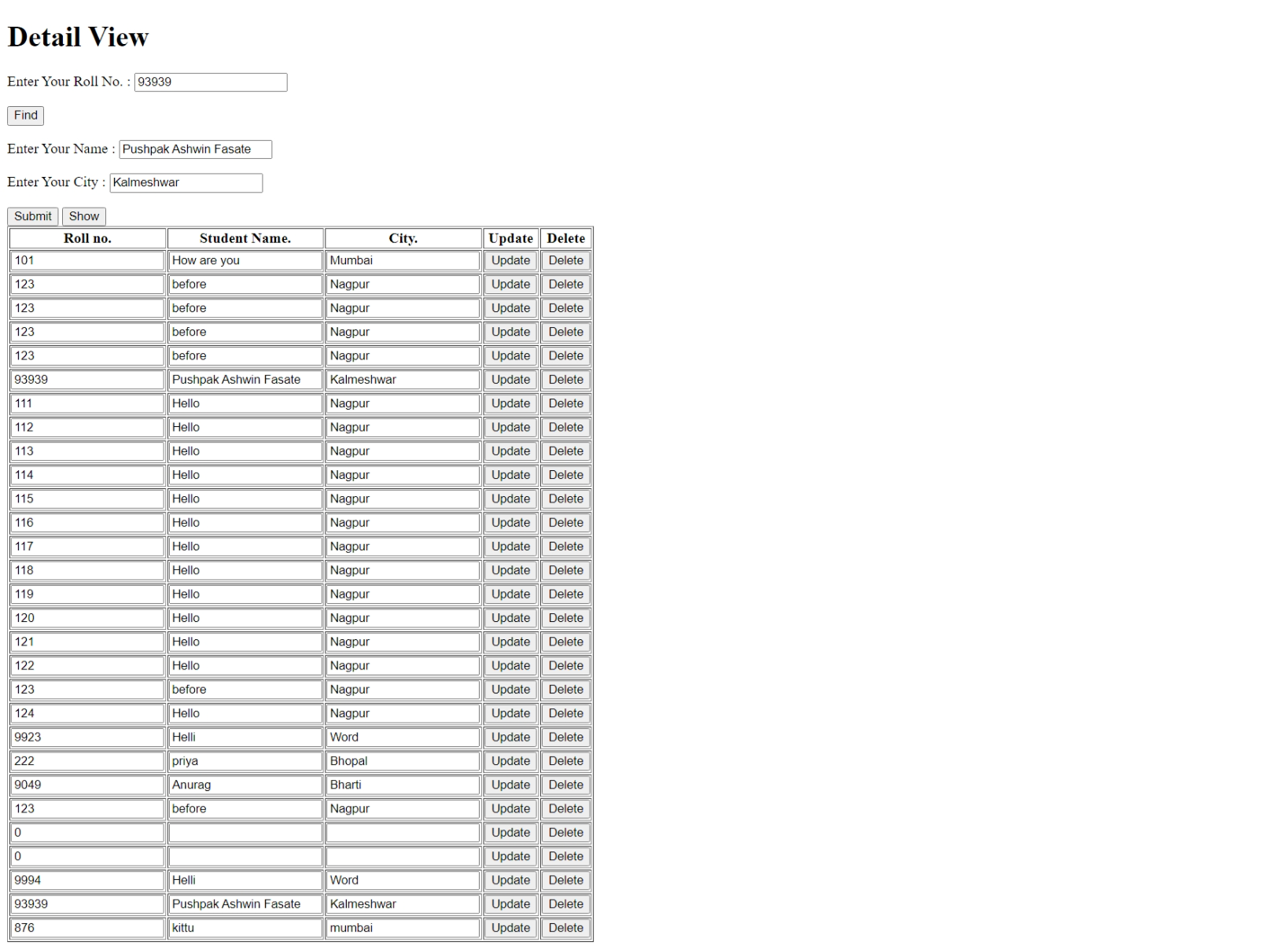
}

}

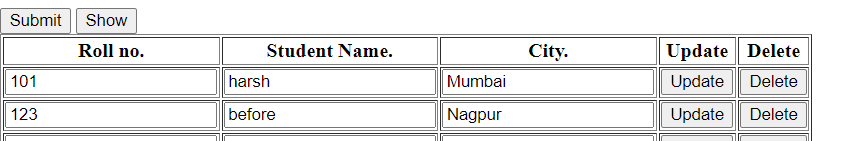
Insert Data



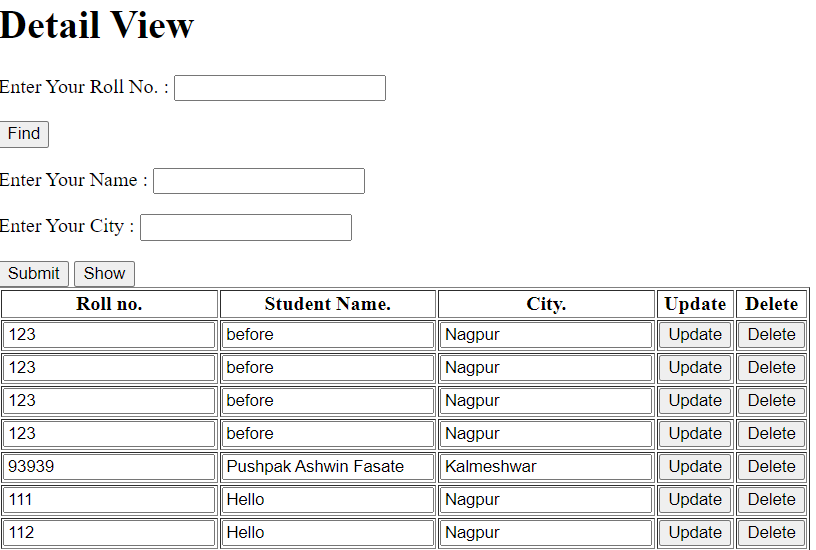
Show Detail View

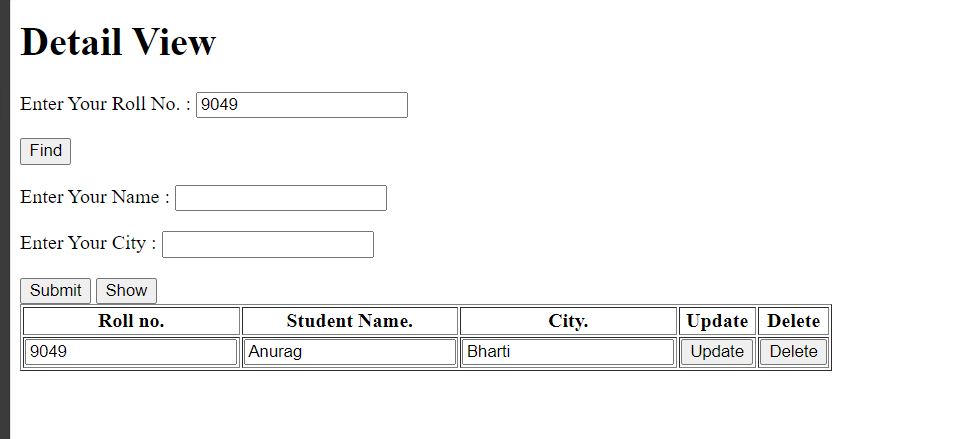


Update View



Delete



Find

3 TIER ARCHITECTURE :

**WITHOUT STORE PROCEDURE**

**Reg.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using BusinessLogic;

using BusinessObject;

namespace Task

{

public partial class Reg : System.Web.UI.Page

{

UserBL bl = new UserBL();

UserBO bo = new UserBO();

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnSubmit\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

bo.Name = txtName.Text;

bo.City = txtCity.Text;

bo.Age = int.Parse(txtAge.Text);

returnvalue = bl.savedata(bo);

Response.Write("data inserted");

}

protected void btnUpdate\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

bo.Name = txtName.Text;

bo.City = txtCity.Text;

bo.Age = int.Parse(txtAge.Text);

returnvalue = bl.checkupdatedata(bo);

Response.Write("data updated");

}

protected void btnDelete\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

returnvalue = bl.checkdeletedata(bo);

Response.Write("data deleted");

}

protected void btnFind\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

returnvalue = bl.checkfinddata(bo);

txtName.Text = bo.Name;

txtCity.Text = bo.City;

txtAge.Text = bo.Age.ToString();

}

}

}

**UserBO**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace BusinessObject

{

public class UserBO

{

private int \_Roll;

private string \_Name;

private string \_City;

private int \_Age;

private string \_rname;

public int Roll

{

get

{

return \_Roll;

}

set

{

\_Roll = value;

}

}

public string Name

{

get

{

return \_Name;

}

set

{

\_Name = value;

}

}

public string City

{

get

{

return \_City;

}

set

{

\_City = value;

}

}

public int Age

{

get

{

return \_Age;

}

set

{

\_Age = value;

}

}

}

}

**UserDA**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Data.SqlClient;

using BusinessObject;

using System.Configuration;

namespace DataAccess

{

public class UserDA

{

SqlConnection con = new SqlConnection(ConfigurationManager.AppSettings["Mydb"]);

// SqlConnection con = new SqlConnection(@"Data Source=MSI\SQLEXPRESS;Initial Catalog=TierDB;Integrated Security=True");

public SqlDataReader dr;

public int insertdata(UserBO objbo)

{

string i\_command = "insert into studetail (Roll,Name,City,Age) values (@Roll1,@Name1,@City1,@Age1)";

SqlCommand com = new SqlCommand(i\_command, con);

com.Parameters.AddWithValue("Roll1", objbo.Roll);

com.Parameters.AddWithValue("Name1", objbo.Name);

com.Parameters.AddWithValue("City1", objbo.City);

com.Parameters.AddWithValue("Age1", objbo.Age);

con.Open();

int Result = com.ExecuteNonQuery();

com.Dispose();

return Result;

}

// for update

public int updatedata(UserBO objbo2)

{

string u\_command = "update studetail set Name = @Name1 ,City =@City1,Age = @Age1 where Roll= @Roll1";

SqlCommand com = new SqlCommand(u\_command, con);

com.Parameters.AddWithValue("Roll1", objbo2.Roll);

com.Parameters.AddWithValue("Name1", objbo2.Name);

com.Parameters.AddWithValue("City1", objbo2.City);

com.Parameters.AddWithValue("Age1", objbo2.Age);

con.Open();

int result = com.ExecuteNonQuery();

com.Dispose();

return result;

}

public int deletedata(UserBO objbo3)

{

string d\_command = "Delete from studetail where Roll=@Roll1";

SqlCommand com = new SqlCommand(d\_command, con);

com.Parameters.AddWithValue("Roll1", objbo3.Roll);

con.Open();

int return2 = com.ExecuteNonQuery();

com.Dispose();

return return2;

}

public int finddata(UserBO objbo4 )

{

string f\_command = "select \* from studetail where Roll=@Roll1";

SqlCommand com = new SqlCommand(f\_command, con);

com.Parameters.AddWithValue("Roll1", objbo4.Roll);

con.Open();

SqlDataReader dr = com.ExecuteReader();

// dr = com.ExecuteReader();

if(dr.Read())

{

objbo4.Name = dr["Name"].ToString();

objbo4.City = dr["City"].ToString();

objbo4.Age = int.Parse(dr["Age"].ToString());

}

//

dr.Close();

int return3 = com.ExecuteNonQuery();

com.Dispose();

return return3 ;

}

}

}

**UserBL**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using BusinessObject;

using DataAccess;

namespace BusinessLogic

{

public class UserBL

{

// for insert

public int savedata(UserBO objbo1)

{

UserDA objda = new UserDA();

return objda.insertdata(objbo1);

}

// for update

public int checkupdatedata(UserBO objbo1)

{

UserDA objda = new UserDA();

return objda.updatedata(objbo1);

}

public int checkdeletedata(UserBO objbo1)

{

UserDA objda1 = new UserDA();

return objda1.deletedata(objbo1);

}

public int checkfinddata(UserBO objbo6)

{

UserDA objda2 = new UserDA();

return objda2.finddata(objbo6);

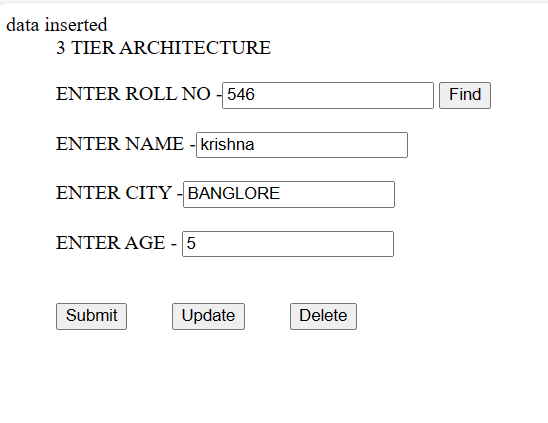
}

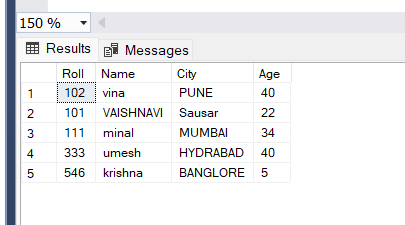
}

}

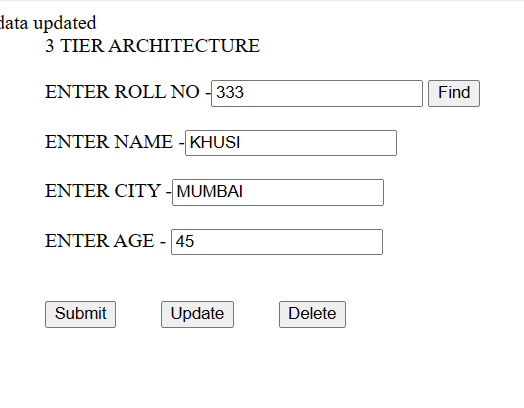
**Output:**

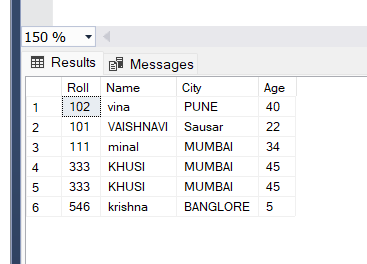
**INSERT DATA**

****

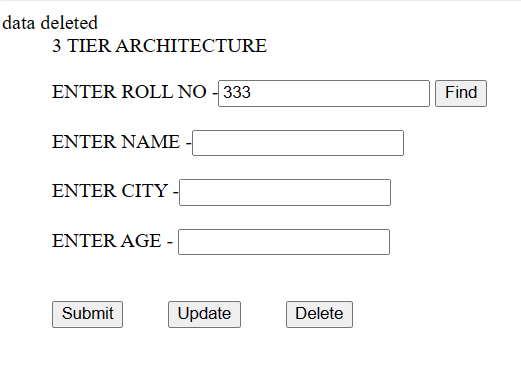
****

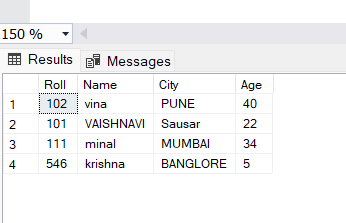
**UPDATE DATA**

****

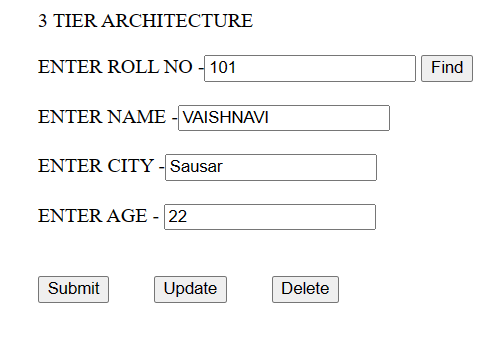
****

**DELETE DATA**

****

****

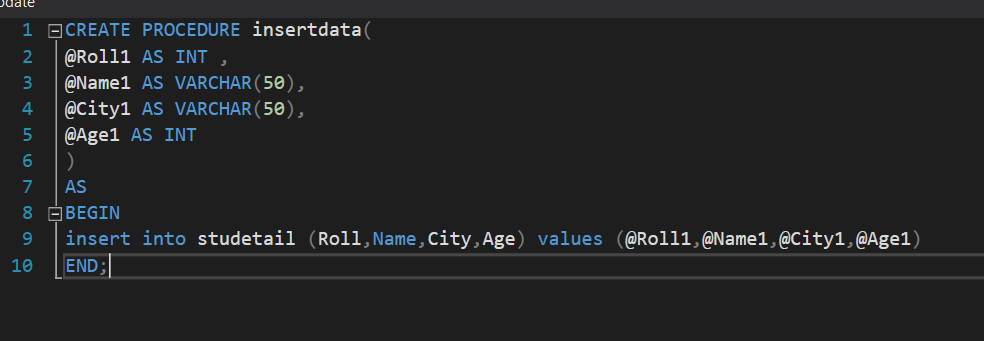
**FIND BUTTON**

****

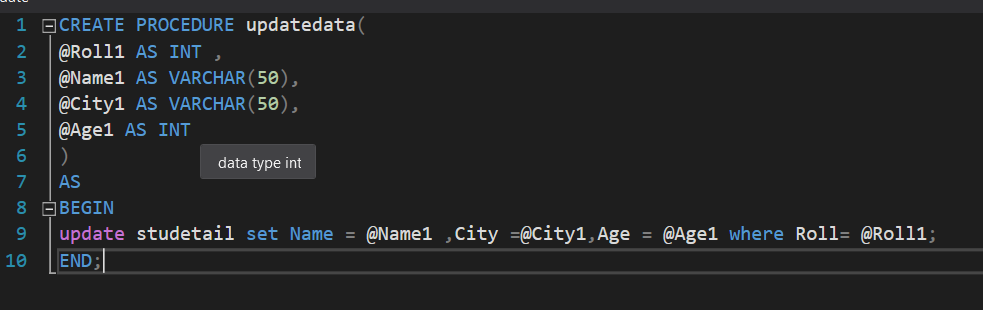
**WITH STORE PROCEDURE**

**STORE PROCEDURE**

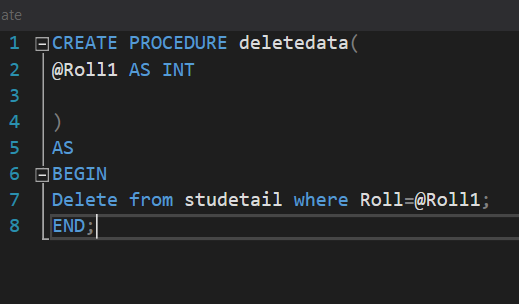
**INSERT DATA**

****

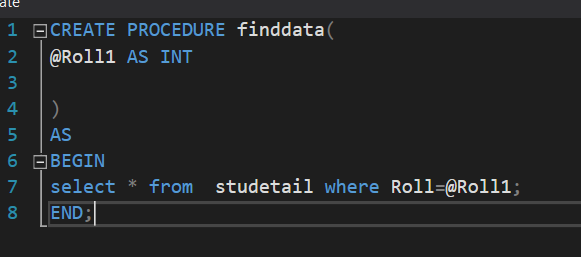
**UPDATE**

****

**DELETE DATA**

****

**FIND DATA**

****

**Default.aspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using BusinessLogic;

using BusinessObject;

namespace Samewebapplication1

{

public partial class Default : System.Web.UI.Page

{

UserBL bl = new UserBL();

UserBO bo = new UserBO();

protected void Page\_Load(object sender, EventArgs e)

{

}

protected void btnSubmit\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

bo.Name = txtName.Text;

bo.City = txtCity.Text;

bo.Age = int.Parse(txtAge.Text);

returnvalue = bl.savedata(bo);

Response.Write("data inserted");

}

protected void btnUpdate\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

bo.Name = txtName.Text;

bo.City = txtCity.Text;

bo.Age = int.Parse(txtAge.Text);

returnvalue = bl.checkupdatedata(bo);

Response.Write("data updated");

}

protected void btnDelete\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

// bo.Name = txtName.Text;

// bo.City = txtCity.Text;

// bo.Age = int.Parse(txtAge.Text);

returnvalue = bl.checkdeletedata(bo);

Response.Write("data deleted");

}

protected void btnFind\_Click(object sender, EventArgs e)

{

int returnvalue = 0;

bo.Roll = int.Parse(txtRoll.Text);

returnvalue = bl.checkfinddata(bo);

//bo.rname = txtName.Text;

// bo.City = txtCity.Text;

// bo.Age = int.Parse(txtAge.Text);

txtName.Text = bo.Name;

txtCity.Text = bo.City;

txtAge.Text = bo.Age.ToString();

}

}

}

**UserBO**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace BusinessObject

{

public class UserBO

{

private int \_Roll;

private string \_Name;

private string \_City;

private int \_Age;

private string \_rname;

public int Roll

{

get

{

return \_Roll;

}

set

{

\_Roll = value;

}

}

public string Name

{

get

{

return \_Name;

}

set

{

\_Name = value;

}

}

public string City

{

get

{

return \_City;

}

set

{

\_City = value;

}

}

public int Age

{

get

{

return \_Age;

}

set

{

\_Age = value;

}

}

public string rname

{

set

{

\_rname = value;

}

get

{

return \_rname;

}

}

}

}

**UserDA**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Data.SqlClient;

using BusinessObject;

using System.Configuration;

using System.Data;

namespace DataAccess

{

public class UserDA

{

SqlConnection con = new SqlConnection(@"Data Source = MSI\SQLEXPRESS; Initial Catalog = TierDB; Integrated Security = True");

public SqlDataReader dr;

public int insertdata(UserBO objbo)

{

SqlCommand com = new SqlCommand("insertdata", con);

com.CommandType = CommandType.StoredProcedure;

com.Parameters.AddWithValue("Roll1", objbo.Roll);

com.Parameters.AddWithValue("Name1", objbo.Name);

com.Parameters.AddWithValue("City1", objbo.City);

com.Parameters.AddWithValue("Age1", objbo.Age);

con.Open();

int Result = com.ExecuteNonQuery();

com.Dispose();

return Result;

}

// for update

public int updatedata(UserBO objbo2)

{

SqlCommand com = new SqlCommand("updatetdata", con);

com.CommandType = CommandType.StoredProcedure;

com.Parameters.AddWithValue("Roll1", objbo2.Roll);

com.Parameters.AddWithValue("Name1", objbo2.Name);

com.Parameters.AddWithValue("City1", objbo2.City);

com.Parameters.AddWithValue("Age1", objbo2.Age);

con.Open();

int result = com.ExecuteNonQuery();

com.Dispose();

return result;

}

public int deletedata(UserBO objbo3)

{

SqlCommand com = new SqlCommand("deletedata", con);

com.CommandType = CommandType.StoredProcedure;

com.Parameters.AddWithValue("Roll1", objbo3.Roll);

con.Open();

int return2 = com.ExecuteNonQuery();

com.Dispose();

return return2;

}

public int finddata(UserBO objbo4)

{

SqlCommand com = new SqlCommand("finddata", con);

com.CommandType = CommandType.StoredProcedure;

com.Parameters.AddWithValue("Roll1", objbo4.Roll);

con.Open();

//int return3 = com.ExecuteNonQuery();

SqlDataReader dr = com.ExecuteReader();

if (dr.Read())

{

objbo4.Name = dr["Name"].ToString();

objbo4.City = dr["City"].ToString();

objbo4.Age = int.Parse(dr["Age"].ToString());

}

//

dr.Close();

int return3 = com.ExecuteNonQuery();

com.Dispose();

return return3;

}

}

}

**UserBL**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using BusinessObject;

using DataAccess;

namespace BusinessLogic

{

public class UserBL

{

// for insert

public int savedata(UserBO objbo1)

{

UserDA objda = new UserDA();

return objda.insertdata(objbo1);

}

// for update

public int checkupdatedata(UserBO objbo1)

{

UserDA objda = new UserDA();

return objda.updatedata(objbo1);

}

public int checkdeletedata(UserBO objbo1)

{

UserDA objda1 = new UserDA();

return objda1.deletedata(objbo1);

}

public int checkfinddata(UserBO objbo6)

{

UserDA objda2 = new UserDA();

return objda2.finddata(objbo6);

}

}

}