**Connection -disconnection**

**Connection.aspx.cs**

// without dataAdpater

/\* SqlConnection conn = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\Tejal\\source\\repos\\connection-desconnection\\connection-desconnection\\App\_Data\\table.mdf;Integrated Security=True");

SqlCommand cmd = new SqlCommand("SELECT \* FROM student", conn);

conn.Open();

GridView1.DataSource = cmd.ExecuteReader();

GridView1.DataBind();

conn.Close();\*/

//with dataAdapter

SqlConnection conn = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\Tejal\\source\\repos\\connection-desconnection\\connection-desconnection\\App\_Data\\table.mdf;Integrated Security=True");

String query = "SELECT \* FROM student";

SqlDataAdapter da = new SqlDataAdapter(query, conn);

DataSet ds = new DataSet();

da.Fill(ds, "student");

ds.Tables["student"].PrimaryKey = new DataColumn[] { ds.Tables["student"].Columns["ID"] };

GridView1.DataSource = ds;

GridView1.DataBind();

Label1.Text = "Data Loaded successfully!!!";

**Conncetion.aspx**

Grid view

**Disconnection.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="disconnection.aspx.cs" Inherits="connection\_desconnection.disconnection" %>

<!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="Name"></asp:Label>

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

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Gender"></asp:Label>

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

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Age"></asp:Label>

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

<br />

<br />

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

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

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

&nbsp;&nbsp;&nbsp;&nbsp;

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

&nbsp;&nbsp;&nbsp;&nbsp;

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

<br />

<br />

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

</asp:GridView>

</div>

</form>

</body>

</html>

**Dis.aspx.cs**

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

{

SqlConnection con = new SqlConnection("Data Source=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\Tejal\\source\\repos\\connection-desconnection\\connection-desconnection\\App\_Data\\table.mdf;Integrated Security=True");

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

{

}

protected void display()

{

DataTable dt = new DataTable();

SqlDataAdapter da = new SqlDataAdapter("SELECT \* FROM student", con);

con.Open();

da.Fill(dt);

con.Close();

if(dt.Rows.Count > 0)

{

GridView1.DataSource = dt;

GridView1.DataBind();

}

else

{

Response.Write("<script>alert('NO data present in the table');</script>");

}

}

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

{

display();

}

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

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

con.Open();

cmd.CommandText = "insert into student values('" + Name.Text + "','" + Gender.Text + "','" +

Age.Text + "')";

cmd.ExecuteNonQuery();

con.Close();

Name.Text = "";

Gender.Text = "";

Age.Text = "";

//display();

Show\_Click(sender, e);

}

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

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

con.Open();

cmd.CommandText = "delete from student where Name = '" + Name.Text + "'";

cmd.ExecuteNonQuery();

con.Close();

Name.Text = "";

Show\_Click(sender, e);

}

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

{

SqlCommand cmd = con.CreateCommand();

cmd.CommandType = CommandType.Text;

con.Open();

cmd.CommandText = "Update student set Age = '" + Age.Text + "' where Name = '" +

Name.Text + "'";

cmd.ExecuteNonQuery();

con.Close();

Show\_Click(sender, e);

}

}

}

**Web services :**

**Program.cs**

**(this is second preojct of service references add service refernces from right click the project )**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using Evenodd.ServiceReference1;

namespace Evenodd

{

class Program

{

static void Main(string[] args)

{

EvenOddDemoSoapClient ws = new EvenOddDemoSoapClient();

Console.WriteLine("Enter any number:");

int n = int.Parse(Console.ReadLine());

Console.WriteLine(ws.Evenodd(n));

Console.ReadLine();

}

}

}

**Web-services new project**

**Add web services**

**Seervec.asmx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.Services;

namespace web\_services

{

/// <summary>

/// Summary description for EvenOddDemo

/// </summary>

[WebService(Namespace = "http://tempuri.org/")]

[WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1\_1)]

[System.ComponentModel.ToolboxItem(false)]

// To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment the following line.

// [System.Web.Script.Services.ScriptService]

public class EvenOddDemo : System.Web.Services.WebService

{

[WebMethod]

public string Evenodd(int n)

{

if (n % 2 == 0)

return n + "is even";

else

return n + "is odd";

}

}

}

**Ajax controls**

**Ajax.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="addition.aspx.cs" Inherits="AJAXControls.addition" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:Label ID="Label1" runat="server" Text="First number"></asp:Label>

&nbsp;<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<br />

<br />

<asp:Label ID="Label2" runat="server" Text="Second Number"></asp:Label>

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

<br />

<br />

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

<br />

<br />

<asp:Label ID="Label3" runat="server" Text="Label" Visible="False"></asp:Label>

</ContentTemplate>

</asp:UpdatePanel>

<div>

</div>

</form>

</body>

</html>

**Ajax.apspx.cs**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace AJAXControls

{

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

{

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

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

int num1 = int.Parse(TextBox1.Text);

int num2 = int.Parse(TextBox2.Text);

int result = num1 + num2;

Label3.Text = result.ToString();

Label3.Visible = true;

}

}

}