

Unit 3

Database Programming in ASP.Net

Practical 1: Design a webpage For database connectivity (connected and disconnected connectivity)

Design:

connDisconnDB.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 ConnectedDisconnectedDB
{
    public partial class ConnDisconnDB : System.Web.UI.Page
    {
        string conn = "", sqlcmd = "";

        protected void Page_Load(object sender, EventArgs e)
        {
            sqlcmd = "select * from StudTable";
            conn = "Data Source=(localdb)\\MSSQLLocalDB;Initial Catalog=Student1;Integrated Security=True";
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            using(SqlConnection objConn = new SqlConnection(conn))
            {
                SqlCommand objCmd = new SqlCommand (sqlcmd, objConn);
                objCmd.CommandType = CommandType.Text;
            }
        }
    }
}
```

```

        objConn.Open();
        SqlDataReader sqldr = objCmd.ExecuteReader();
        GridView1.DataSource = sqldr;
        GridView1.DataBind();
        objConn.Close();
    }
}

protected void Button2_Click(object sender, EventArgs e)
{
    SqlDataAdapter objAdpt = new SqlDataAdapter();
    DataSet ds = new DataSet();
    using (SqlConnection objConn = new SqlConnection(conn))
    {
        SqlCommand objCmd = new SqlCommand(sqlcmd, objConn);
        objCmd.CommandType = CommandType.Text;
        objAdpt.SelectCommand = objCmd;
        objAdpt.Fill(ds, "StudTable");
        GridView1.DataSource = ds.Tables[0];
        GridView1.DataBind();
    }
}
}
}
}

```

Design:

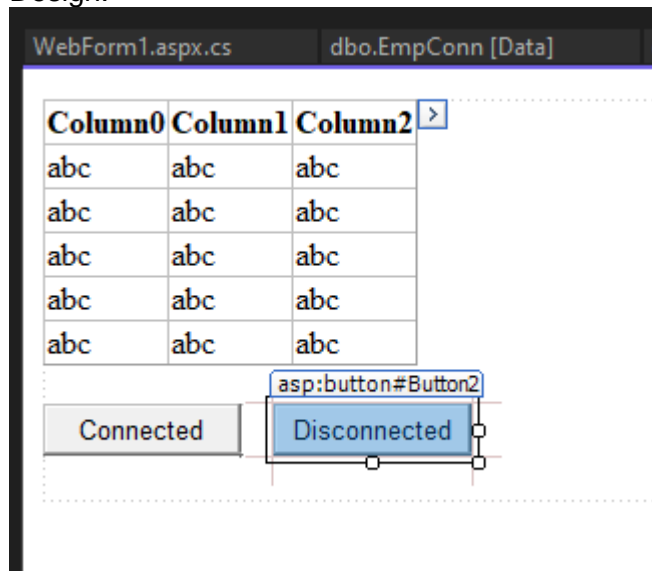


Table Design:-

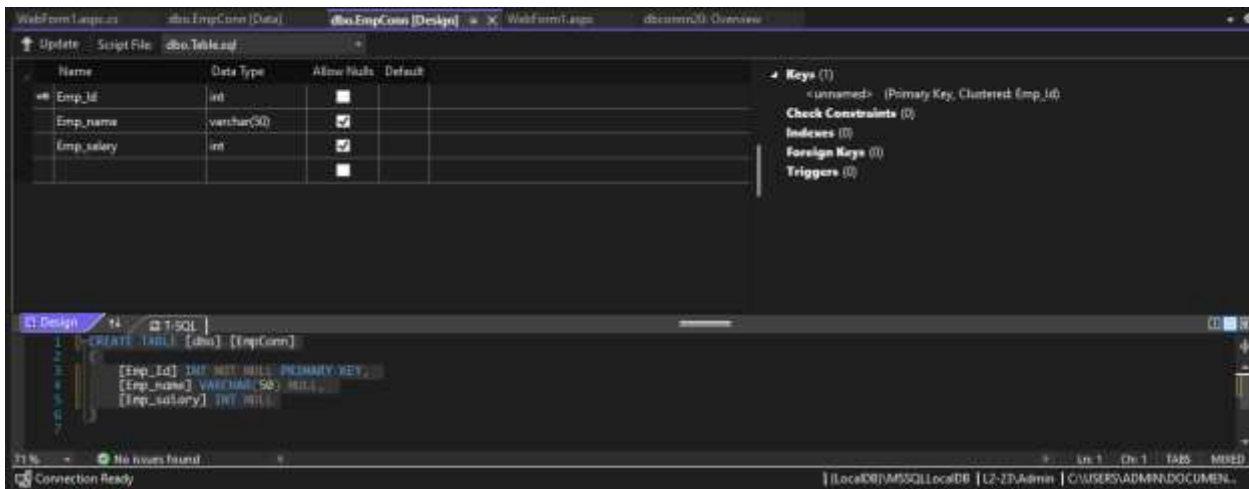
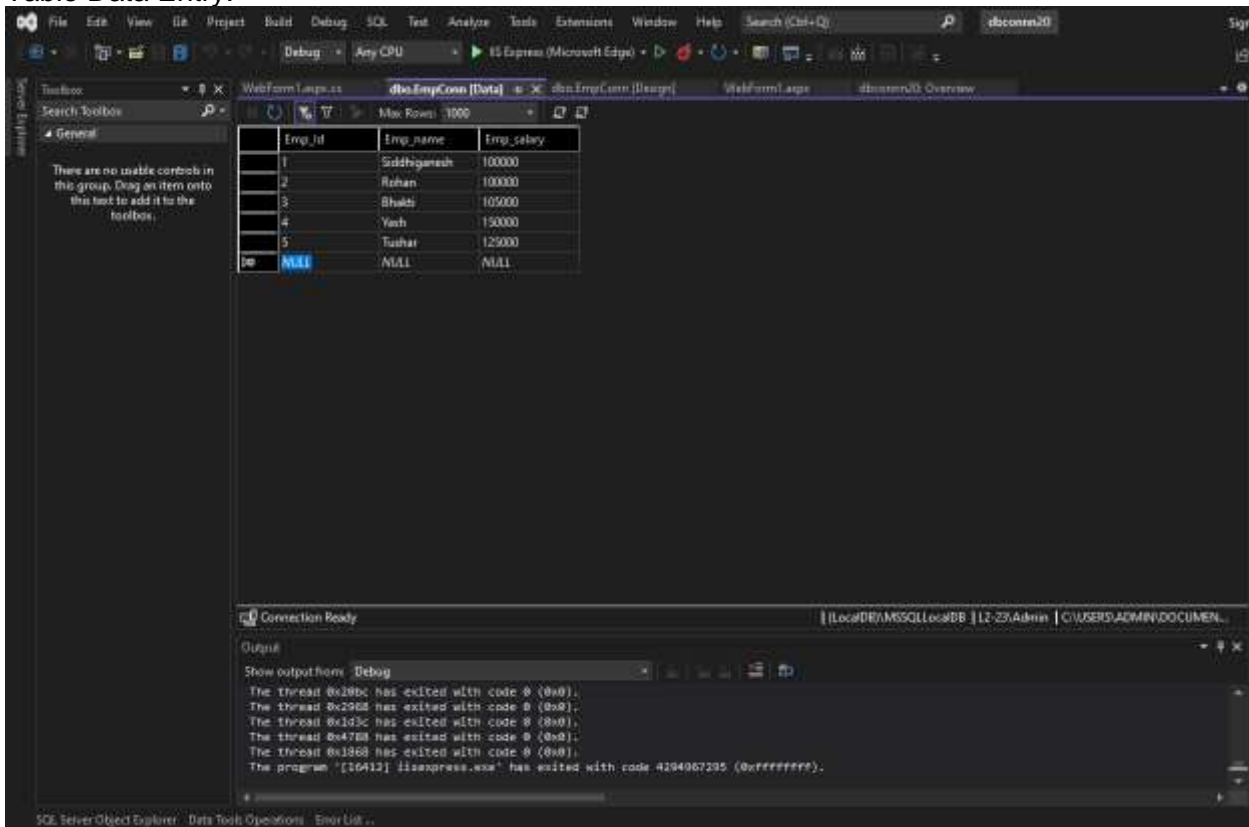
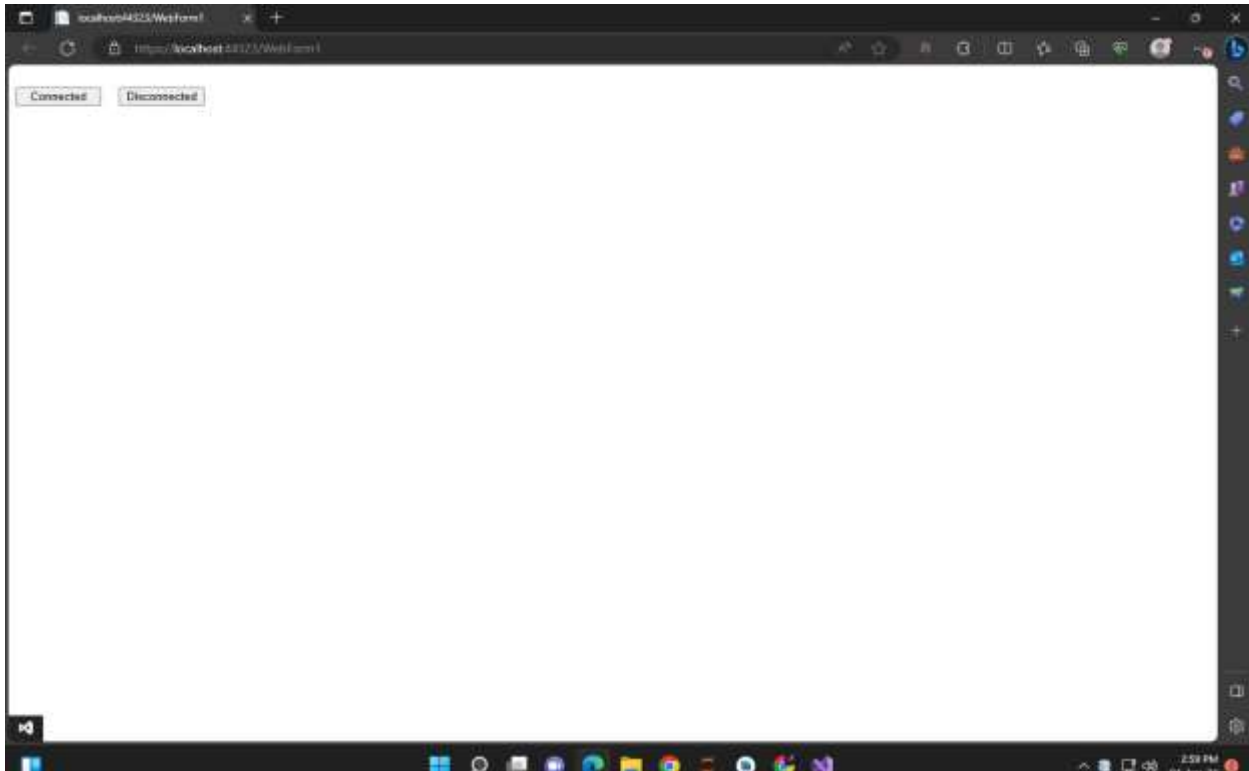
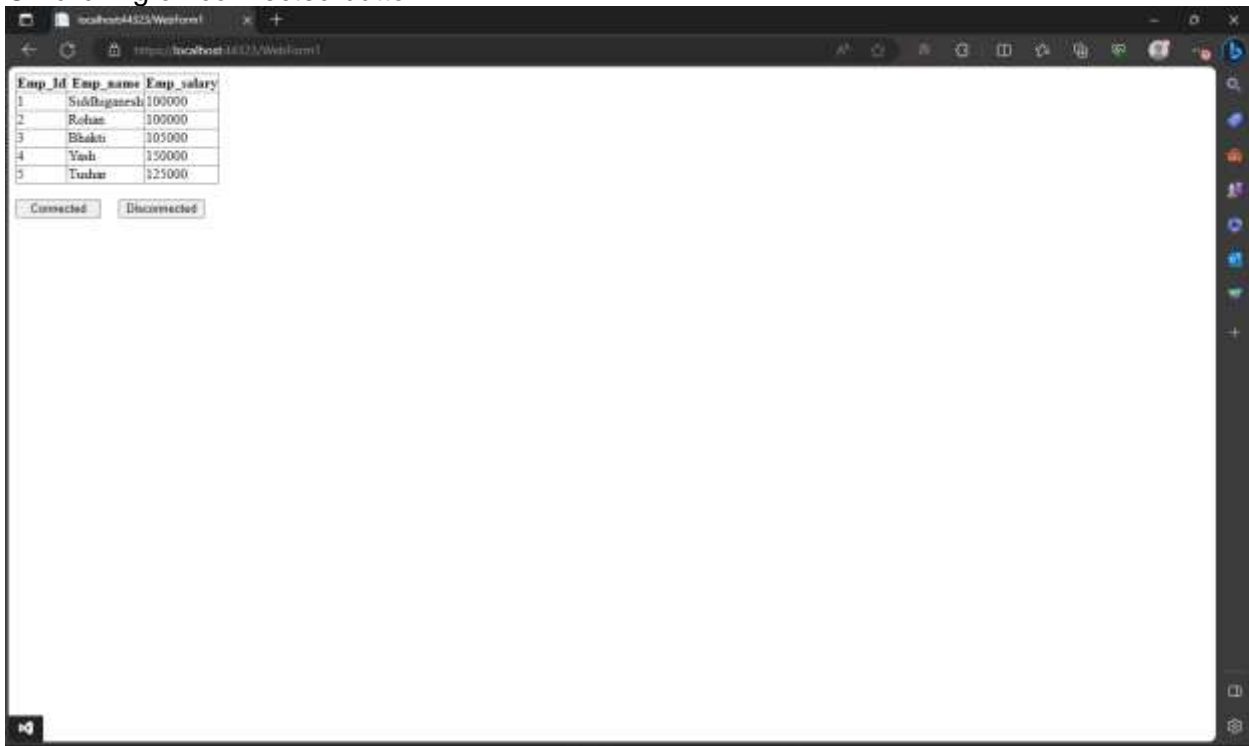


Table Data Entry:

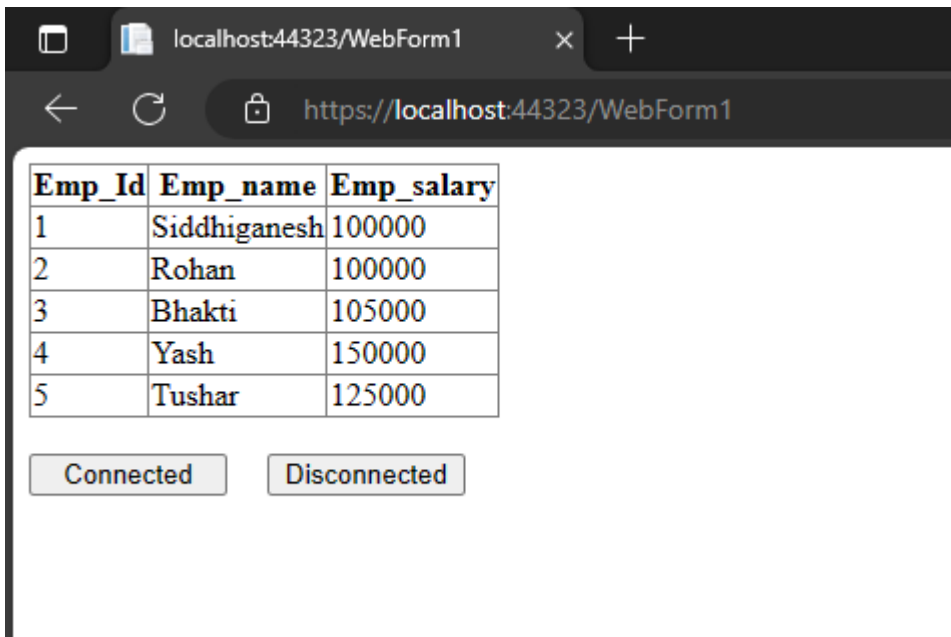




On clicking on connected button



ON clicking on disconnected button



Design a webpage to insert update, delete, search details using connect Architecture.

Design:

Code:

```
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.Data;
namespace WebApplication1
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        SqlConnection con;
        SqlCommand cmd;
        SqlDataReader dr;
```

```

protected void Page_Load(object sender, EventArgs e)
{
    con = new SqlConnection(@"Data
Source=(LocalDB)\v11.0;AttachDbFilename=C:\Users\Admin\Documents\Emp.mdf;Integrated
Security=True;Connect Timeout=30");
}
private void Display()
{
    con.Open();
    cmd = new SqlCommand("select * from Emptb", con);
    dr = cmd.ExecuteReader();
    DataTable dt = new DataTable();
    dt.Load(dr);
    GridView1.DataSource = dt;
    GridView1.DataBind();
    con.Close();
}
protected void Button1_Click(object sender, EventArgs e) {
    con.Open();
    int aa = Convert.ToInt32(TextBox1.Text);
    string bb = TextBox2.Text;
    string cc = TextBox3.Text;
    cmd = new SqlCommand("INSERT INTO Emptb(Eid,
Ename,Edept)VALUES ('" + aa + "','" + bb + "','" + cc + "')", con); cmd.ExecuteNonQuery();
    Response.Write("one record inserted:");
    con.Close();
    Display();
}

protected void Button2_Click(object sender, EventArgs e) {
    con.Open();
    int aa = Convert.ToInt32(TextBox1.Text);
    cmd = new SqlCommand("DELETE FROM Emptb where Eid='" + aa + "'", con);
    cmd.ExecuteNonQuery();
    Response.Write("one record Delete:");
    con.Close();
    Display();
}
protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)

```

```

{
}
protected void Button3_Click(object sender, EventArgs e) {
con.Open();
int aa = Convert.ToInt32(TextBox1.Text);
string bb = TextBox2.Text;
string cc = TextBox3.Text;
string abc = "UPDATE Emptb SET Eid =" + aa + ", Ename =" + bb + ", Edept =" + cc + " WHERE Eid
= " + aa + """;
SqlCommand cmd = new SqlCommand(abc, con);
cmd.ExecuteNonQuery();
Response.Write("one record updated:");
con.Close();
Display();
}
protected void Button4_Click(object sender, EventArgs e) {
Display();
}
protected void Button5_Click(object sender, EventArgs e) {
con.Open();
int aa = Convert.ToInt32(TextBox1.Text);
string abc = "SELECT Eid,Ename,Edept FROM Emptb where Eid=" + aa + """;
cmd = new SqlCommand(abc, con);
Response.Write("one record search:");
dr = cmd.ExecuteReader();
DataTable dt = new DataTable();
dt.Load(dr);
GridView1.DataSource = dt;
GridView1.DataBind();
con.Close();
}

protected void Button6_Click(object sender, EventArgs e) {
con.Open();
cmd = new SqlCommand("select Count(*) from Emptb", con); int a = (int)cmd.ExecuteScalar();
Label1.Text = "Total Record:--> " + a.ToString();
con.Close();
}
}
}
}

```

Emp Id

Emp Name

Emp Salary

Data Inserted Sucessfully

EId	EName	ESalary
101	Jane	45000
102	Michael	34000
103	John	54000
104	Jim	78000
105	Pam	70000
106	Jim	70000
107	Jane	45680
108	Harry	23000