|  |  |  |  |
| --- | --- | --- | --- |
| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #7 | | |
|  |  |  |  |
| **Name** | Sandeep Jain | **Roll Number** | 21302C0058 |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with Database** | | |
|  | | | |
| **8. Working with Database** | | | |
| **a) Create a web application to display Databinding using dropdownlist control.**  **Code**  **Web,aspx**    **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication19.WebForm1" %>**    **<!DOCTYPE html>**    **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **</div>**    **<asp:DropDownList ID="DropDownList1" runat="server" DataSourceID="SqlDataSource1" DataTextField="Name" DataValueField="Name">**  **</asp:DropDownList>**  **<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" SelectCommand="SELECT [Name] FROM [Author]"></asp:SqlDataSource>**    **</form>**  **</body>**  **</html>**      **Output** | | | |
| **b)** **Create a web application for to display the phone no of an author using database**  **.**  **Code**  **Web.aspx**    **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication19.WebForm1" %>**    **<!DOCTYPE html>**    **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **</div>**    **<center>**  **<h1>Author Details</h1><hr />**    **Enter Author Name: <asp:TextBox ID="txtname"**  **runat="server"></asp:TextBox><br />**  **<asp:Button ID="btnsubmit" runat="server" Text="Submit"**  **BorderWidth="3px" OnClick="btnsubmit\_Click" /><hr />**  **<asp:Label ID="lbldisp" runat="server"**  **Text=""></asp:Label></center>**  **<br />**    **</form>**  **</body>**  **</html>**  **Web.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;  using System.Data.SqlClient;    namespace WebApplication19  {  public partial class WebForm1 : System.Web.UI.Page  {  protected void Page\_Load(object sender, EventArgs e)  {    }    protected void btnsubmit\_Click(object sender, EventArgs e)  {  string name = txtname.Text;  SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Sandeep\source\repos\WebApplication19\WebApplication19\App\_Data\Database1.mdf;Integrated Security=True");  con.Open();  SqlCommand cmd = new SqlCommand("select Phone from Author where Name = '"+name+"'",con);    SqlDataReader dr = cmd.ExecuteReader();  while (dr.Read())  {  lbldisp.Text = "Name: " + txtname.Text + " , Phone: " +  dr["Phone"].ToString();  }  dr.Close();  con.Close();    }  }  }  **Output** | | | |
| **c) Create a web application for inserting and deleting record from a database. (Using Execute-Non-Query).**  **.**  **Code**  **Web.apsx**      <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication19.WebForm1" %>    <!DOCTYPE html>    <html xmlns="http://www.w3.org/1999/xhtml">  <head runat="server">  <title></title>  </head>  <body>  <form id="form1" runat="server">  <div>  <h1><u>Author Record Management</u></h1>  <hr />  <br />  <table class="auto-style1">  <tr>  <td class="auto-style3">Enter ID</td>  <td class="auto-style2">  <asp:TextBox ID="TB1" runat="server"></asp:TextBox>  </td>  </tr>  <tr>  <td class="auto-style4">Enter Name</td>  <td>  <asp:TextBox ID="TB2" runat="server"></asp:TextBox>  </td>  </tr>  <tr>  <td class="auto-style4">Enter Phone Number</td>  <td>  <asp:TextBox ID="TB3" runat="server"></asp:TextBox>  </td>  </tr>  </table>  <br />  Actions :<br />  <br />  <asp:Button ID="B1" runat="server" Text="Insert" Width="119px" OnClick="B1\_Click" />  &nbsp;&nbsp;&nbsp;&nbsp;&nbsp;  <asp:Button ID="B2" runat="server" Text="Delete" Width="119px" OnClick="B2\_Click" />  <br />  <br />  Status Monitor :<br />  <br />  <asp:Label ID="LB1" runat="server" Text="Label"></asp:Label>  <br />  </div>      </form>  </body>  </html>  **Web.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;**  **using System.Data.SqlClient;**    **namespace WebApplication19**  **{**  **public partial class WebForm1 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**        **protected void B1\_Click(object sender, EventArgs e)**  **{**  **if (TB1.Text != null && TB2.Text != null && TB3.Text != null)**  **{**  **int id = Convert.ToInt32(TB1.Text);**  **string name = TB2.Text;**  **string phone = TB3.Text;**    **SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Sandeep\source\repos\WebApplication19\WebApplication19\App\_Data\Database1.mdf;Integrated Security=True");**      **con.Open();**  **SqlCommand cmd = new SqlCommand("INSERT into Author values('" + id + "','" + name + "','" + phone + "')", con);**  **int i = cmd.ExecuteNonQuery();**  **if (i > 0)**  **{**  **LB1.Text = "Record Added Sucessfully";**  **}**  **con.Close();**    **}**  **else**  **{**  **LB1.Text = "Enter All fields";**  **}**  **}**    **protected void B2\_Click(object sender, EventArgs e)**  **{**  **if (TB1.Text != null)**  **{**  **int id = Convert.ToInt32(TB1.Text);**    **SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Sandeep\source\repos\WebApplication19\WebApplication19\App\_Data\Database1.mdf;Integrated Security=True");**  **con.Open();**  **SqlCommand cmd = new SqlCommand("DELETE from Author where Id='" + id + "' ", con);**  **int i = cmd.ExecuteNonQuery();**  **if (i > 0)**  **{**  **LB1.Text = "Record Deleted Sucessfully!";**  **}**    **}**  **}**  **}**  **}**  **Output**    Insert      Delete | | | |