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| --- | --- | --- | --- |
| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #6 | | |
|  |  |  |  |
| **Name** | Sandeep Jain | **Roll Number** | 21302C0058 |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with Database** | | |
|  | | | |
| **6. Working with Database** | | | |
| **a)** Create a web application bind data in a multiline textbox by querying in another textbox.  **Code for webfrom.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication9.WebForm2" %>**    **<!DOCTYPE html>**    **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>**  **<br />**  **<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Execute Query" />**  **<br />**  **<asp:TextBox ID="TextBox2" runat="server" Height="83px" TextMode="MultiLine" Width="186px"></asp:TextBox>**  **<br />**  **</div>**  **</form>**  **</body>**  **</html>**  **Code for webfrom.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.Data;**  **namespace WebApplication9**  **{**  **public partial class WebForm2 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**    **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\admin\source\repos\WebApplication9\WebApplication9\App\_Data\Database1.mdf;Integrated Security=True");**  **con.Open();**  **SqlCommand cmd = new SqlCommand(TextBox1.Text, con);**  **SqlDataReader reader = cmd.ExecuteReader();**  **TextBox2.Text = "";**  **while (reader.Read())**  **{**  **TextBox2.Text += Environment.NewLine;**  **for(int i = 0; i < reader.FieldCount - 1; i++)**  **{**  **TextBox2.Text += reader[i].ToString().PadLeft(15);**  **}**  **}**  **reader.Close();**  **con.Close();**  **}**  **}**  **}**  **Output**    Select \*from CUSTOMER  image | | | |
| **b)** Create a web application to display records in Label by using database.  **Code for webform.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="WebApplication9.WebForm3" %>**    **<!DOCTYPE html>**    **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **CUSTOMER DETAILS<br />**  **<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Display Detail" />**  **<br />**  **<asp:Label ID="Label1" runat="server"></asp:Label>**  **</div>**  **</form>**  **</body>**  **</html>**  **Code for webform.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.Data;**    **namespace WebApplication9**  **{**  **public partial class WebForm3 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**    **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\admin\source\repos\WebApplication9\WebApplication9\App\_Data\Database1.mdf;Integrated Security=True");**  **SqlCommand cmd = new SqlCommand("Select Id,Name,Address from CUSTOMER", con);**  **con.Open();**  **SqlDataReader reader = cmd.ExecuteReader();**  **Label1.Text = "";**  **while (reader.Read())**  **{**  **Label1.Text += reader["Id"].ToString() + " " + reader["Name"].ToString() + " " + reader["Address"].ToString() + "<br>";**  **}**  **}**  **}**  **}**  **Output**  image  image | | | |
| **c)** Demonstrate the use of Datalist control.  **Code for Webfrom.aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs" Inherits="WebApplication9.WebForm4" %>**    **<!DOCTYPE html>**    **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **<asp:DataList ID="DataList1" runat="server" DataKeyField="Id" DataSourceID="SqlDataSource1" OnSelectedIndexChanged="DataList1\_SelectedIndexChanged">**  **<ItemTemplate>**  **Id:**  **<asp:Label ID="IdLabel" runat="server" Text='<%# Eval("Id") %>' />**  **<br />**  **Name:**  **<asp:Label ID="NameLabel" runat="server" Text='<%# Eval("Name") %>' />**  **<br />**  **Address:**  **<asp:Label ID="AddressLabel" runat="server" Text='<%# Eval("Address") %>' />**  **<br />**  **Type:**  **<asp:Label ID="TypeLabel" runat="server" Text='<%# Eval("Type") %>' />**  **<br />**  **Pincode:**  **<asp:Label ID="PincodeLabel" runat="server" Text='<%# Eval("Pincode") %>' />**  **<br />**  **<br />**  **</ItemTemplate>**  **</asp:DataList>**  **<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" SelectCommand="SELECT \* FROM [CUSTOMER]"></asp:SqlDataSource>**  **</div>**  **</form>**  **</body>**  **</html>**  **Output**  image | | | |