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| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #8 | | |
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| **Name** | Sandeep Jain | **Roll Number** | 21302C0058 |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with Data Controls** | | |
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| **8. Working with Data Controls** | | | |
| **a)** Create a web application to demonstrate various uses and properties of SqlDataSource and data binding using Drop Down List, GridView, DetailsView, and FormView Control.  **Code for webform aspx**  **Code of webform aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication12.WebForm1" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **<asp:DropDownList ID="DropDownList1" runat="server" DataSourceID="SqlDataSource1" DataTextField="name" DataValueField="name">**  **</asp:DropDownList>**  **<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.mdf;Integrated Security=True" DeleteCommand="DELETE FROM [Table] WHERE [Id] = @Id" InsertCommand="INSERT INTO [Table] ([Id], [name], [city], [gender]) VALUES (@Id, @name, @city, @gender)" ProviderName="System.Data.SqlClient" SelectCommand="SELECT \* FROM [Table]" UpdateCommand="UPDATE [Table] SET [name] = @name, [city] = @city, [gender] = @gender WHERE [Id] = @Id">**  **<DeleteParameters>**  **<asp:Parameter Name="Id" Type="Int32" />**  **</DeleteParameters>**  **<InsertParameters>**  **<asp:Parameter Name="Id" Type="Int32" />**  **<asp:Parameter Name="name" Type="String" />**  **<asp:Parameter Name="city" Type="String" />**  **<asp:Parameter Name="gender" Type="String" />**  **</InsertParameters>**  **<UpdateParameters>**  **<asp:Parameter Name="name" Type="String" />**  **<asp:Parameter Name="city" Type="String" />**  **<asp:Parameter Name="gender" Type="String" />**  **<asp:Parameter Name="Id" Type="Int32" />**  **</UpdateParameters>**  **</asp:SqlDataSource>**  **</div>**  **<asp:GridView ID="GridView1" runat="server" AllowPaging="True" AllowSorting="True" AutoGenerateColumns="False" BackColor="White" BorderColor="#3366CC" BorderStyle="None" BorderWidth="1px" CellPadding="4" DataKeyNames="Id" DataSourceID="SqlDataSource2">**  **<Columns>**  **<asp:CommandField ShowDeleteButton="True" ShowEditButton="True" ShowSelectButton="True" />**  **<asp:BoundField DataField="Id" HeaderText="Id" ReadOnly="True" SortExpression="Id" />**  **<asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />**  **<asp:BoundField DataField="city" HeaderText="city" SortExpression="city" />**  **<asp:BoundField DataField="gender" HeaderText="gender" SortExpression="gender" />**  **</Columns>**  **<FooterStyle BackColor="#99CCCC" ForeColor="#003399" />**  **<HeaderStyle BackColor="#003399" Font-Bold="True" ForeColor="#CCCCFF" />**  **<PagerStyle BackColor="#99CCCC" ForeColor="#003399" HorizontalAlign="Left" />**  **<RowStyle BackColor="White" ForeColor="#003399" />**  **<SelectedRowStyle BackColor="#009999" Font-Bold="True" ForeColor="#CCFF99" />**  **<SortedAscendingCellStyle BackColor="#EDF6F6" />**  **<SortedAscendingHeaderStyle BackColor="#0D4AC4" />**  **<SortedDescendingCellStyle BackColor="#D6DFDF" />**  **<SortedDescendingHeaderStyle BackColor="#002876" />**  **</asp:GridView>**  **<br />**  **<asp:DetailsView ID="DetailsView1" runat="server" AllowPaging="True" AutoGenerateRows="False" CellPadding="4" DataKeyNames="Id" DataSourceID="SqlDataSource2" ForeColor="#333333" GridLines="None" Height="50px" Width="125px">**  **<AlternatingRowStyle BackColor="White" ForeColor="#284775" />**  **<CommandRowStyle BackColor="#E2DED6" Font-Bold="True" />**  **<EditRowStyle BackColor="#999999" />**  **<FieldHeaderStyle BackColor="#E9ECF1" Font-Bold="True" />**  **<Fields>**  **<asp:BoundField DataField="Id" HeaderText="Id" ReadOnly="True" SortExpression="Id" />**  **<asp:BoundField DataField="name" HeaderText="name" SortExpression="name" />**  **<asp:BoundField DataField="city" HeaderText="city" SortExpression="city" />**  **<asp:BoundField DataField="gender" HeaderText="gender" SortExpression="gender" />**  **<asp:CommandField ShowDeleteButton="True" ShowEditButton="True" ShowInsertButton="True" />**  **</Fields>**  **<FooterStyle BackColor="#5D7B9D" Font-Bold="True" ForeColor="White" />**  **<HeaderStyle BackColor="#5D7B9D" Font-Bold="True" ForeColor="White" />**  **<PagerStyle BackColor="#284775" ForeColor="White" HorizontalAlign="Center" />**  **<RowStyle BackColor="#F7F6F3" ForeColor="#333333" />**  **</asp:DetailsView>**  **<br />**  **<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="<%$ ConnectionStrings:ConnectionString %>" DeleteCommand="DELETE FROM [Table] WHERE [Id] = @Id" InsertCommand="INSERT INTO [Table] ([Id], [name], [city], [gender]) VALUES (@Id, @name, @city, @gender)" SelectCommand="SELECT \* FROM [Table]" UpdateCommand="UPDATE [Table] SET [name] = @name, [city] = @city, [gender] = @gender WHERE [Id] = @Id">**  **<DeleteParameters>**  **<asp:Parameter Name="Id" Type="Int32" />**  **</DeleteParameters>**  **<InsertParameters>**  **<asp:Parameter Name="Id" Type="Int32" />**  **<asp:Parameter Name="name" Type="String" />**  **<asp:Parameter Name="city" Type="String" />**  **<asp:Parameter Name="gender" Type="String" />**  **</InsertParameters>**  **<UpdateParameters>**  **<asp:Parameter Name="name" Type="String" />**  **<asp:Parameter Name="city" Type="String" />**  **<asp:Parameter Name="gender" Type="String" />**  **<asp:Parameter Name="Id" Type="Int32" />**  **</UpdateParameters>**  **</asp:SqlDataSource>**  **<br />**  **<asp:FormView ID="FormView1" runat="server" AllowPaging="True" BackColor="#DEBA84" BorderColor="#DEBA84" BorderStyle="None" BorderWidth="1px" CellPadding="3" CellSpacing="2" DataKeyNames="Id" DataSourceID="SqlDataSource2" GridLines="Both">**  **<EditItemTemplate>**  **Id:**  **<asp:Label ID="IdLabel1" runat="server" Text='<%# Eval("Id") %>' />**  **<br />**  **name:**  **<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>' />**  **<br />**  **city:**  **<asp:TextBox ID="cityTextBox" runat="server" Text='<%# Bind("city") %>' />**  **<br />**  **gender:**  **<asp:TextBox ID="genderTextBox" runat="server" Text='<%# Bind("gender") %>' />**  **<br />**  **<asp:LinkButton ID="UpdateButton" runat="server" CausesValidation="True" CommandName="Update" Text="Update" />**  **&nbsp;<asp:LinkButton ID="UpdateCancelButton" runat="server" CausesValidation="False" CommandName="Cancel" Text="Cancel" />**  **</EditItemTemplate>**  **<EditRowStyle BackColor="#738A9C" Font-Bold="True" ForeColor="White" />**  **<FooterStyle BackColor="#F7DFB5" ForeColor="#8C4510" />**  **<HeaderStyle BackColor="#A55129" Font-Bold="True" ForeColor="White" />**  **<InsertItemTemplate>**  **Id:**  **<asp:TextBox ID="IdTextBox" runat="server" Text='<%# Bind("Id") %>' />**  **<br />**  **name:**  **<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>' />**  **<br />**  **city:**  **<asp:TextBox ID="cityTextBox" runat="server" Text='<%# Bind("city") %>' />**  **<br />**  **gender:**  **<asp:TextBox ID="genderTextBox" runat="server" Text='<%# Bind("gender") %>' />**  **<br />**  **<asp:LinkButton ID="InsertButton" runat="server" CausesValidation="True" CommandName="Insert" Text="Insert" />**  **&nbsp;<asp:LinkButton ID="InsertCancelButton" runat="server" CausesValidation="False" CommandName="Cancel" Text="Cancel" />**  **</InsertItemTemplate>**  **<ItemTemplate>**  **Id:**  **<asp:Label ID="IdLabel" runat="server" Text='<%# Eval("Id") %>' />**  **<br />**  **name:**  **<asp:Label ID="nameLabel" runat="server" Text='<%# Bind("name") %>' />**  **<br />**  **city:**  **<asp:Label ID="cityLabel" runat="server" Text='<%# Bind("city") %>' />**  **<br />**  **gender:**  **<asp:Label ID="genderLabel" runat="server" Text='<%# Bind("gender") %>' />**  **<br />**  **</ItemTemplate>**  **<PagerStyle ForeColor="#8C4510" HorizontalAlign="Center" />**  **<RowStyle BackColor="#FFF7E7" ForeColor="#8C4510" />**  **</asp:FormView>**  **</form>**  **</body>aa**  **</html>**  Code sql  CREATE TABLE [dbo].[Student]  (  [Id] INT NOT NULL PRIMARY KEY,  [name] NCHAR(10) NULL,  [city] NCHAR(10) NULL,  [gender] NCHAR(10) NULL  )  Output | | | |
| **b)** Create a web application to display Using Disconnected Data Access and Databinding using GridView  **Code for web form aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication12.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:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Show Disconnected Data Access" />**  **<br />**  **<asp:GridView ID="GridView1" runat="server" BackColor="White" BorderColor="#3366CC" BorderStyle="None" BorderWidth="1px" CellPadding="4">**  **<FooterStyle BackColor="#99CCCC" ForeColor="#003399" />**  **<HeaderStyle BackColor="#003399" Font-Bold="True" ForeColor="#CCCCFF" />**  **<PagerStyle BackColor="#99CCCC" ForeColor="#003399" HorizontalAlign="Left" />**  **<RowStyle BackColor="White" ForeColor="#003399" />**  **<SelectedRowStyle BackColor="#009999" Font-Bold="True" ForeColor="#CCFF99" />**  **<SortedAscendingCellStyle BackColor="#EDF6F6" />**  **<SortedAscendingHeaderStyle BackColor="#0D4AC4" />**  **<SortedDescendingCellStyle BackColor="#D6DFDF" />**  **<SortedDescendingHeaderStyle BackColor="#002876" />**  **</asp:GridView>**  **</div>**  **</form>**  **</body>**  **</html>**  **Code for web from 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;**  **using System.Configuration;**  **namespace WebApplication12**  **{**  **public partial class WebForm2 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**  **}**  **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **// Define the ADO.NET objects.**  **SqlConnection con = new SqlConnection(@"Data Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\Sandeep\source\repos\WebApplication12\WebApplication12\App\_Data\Database1.mdf;Integrated Security=True ");**  **SqlCommand cmd = new SqlCommand("Select \* from Student", con);**  **SqlDataAdapter da = new SqlDataAdapter(cmd);**  **// Fill the DataSet.**  **DataSet ds = new DataSet();**  **da.Fill(ds, "Student");**  **// Perform the binding.**  **GridView1.DataSource = ds;**  **GridView1.DataBind();**  **}**  **}**  **}**  **Output** | | | |