Slip 12

Q1. Show the use of application state

. Application State

WebForm1.aspx

< Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs Inherits="appapplication.WebForml">

<!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" Text="show visits"

OnClick="Button1\_Click" />

<br />

<asp:Label ID="Label1" runat="server" Text="\*"></asp:Label>

</div>

</form>

</body>

</html>

**WebForm1.aspx.cs**

using Systen, using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using Systen. Web.UI.WebControls;

namespace appapplication {

public partial class WebForni: [System.Web.UI.Page](http://system.web.ui.page/" \t "_blank)

protected void Page Load(object sender, EventArgs e)

{

}

protected void Button1 Click(object sender, EventArgs e)

int counter 0;

if (Application["visits"] != null)

{ counter = Int32.Parse(Application["visits"].ToString());

}

counter counter + 1;

Application["visits"]=counter;

Label1. Text="this page has been visited for

<br>"+counter.ToString()+"times";

}

}

}

**Q2**. write an asp.net program to display teacher details(teacher\_id,name, designations,mob\_number,DOB,gender)from database edit, delete information in gridview

Aspx:

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

<!DOCTYPE html>

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

<head runat="server">

<title>Teacher Details</title>

</head>

<body>

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

<div>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"

DataSourceID="SqlDataSource1" AllowPaging="True"

OnRowEditing="GridView1\_RowEditing" OnRowCancelingEdit="GridView1\_RowCancelingEdit"

OnRowUpdating="GridView1\_RowUpdating" OnRowDeleting="GridView1\_RowDeleting">

<Columns>

<asp:BoundField DataField="teacher\_id" HeaderText="Teacher ID" ReadOnly="True" />

<asp:BoundField DataField="name" HeaderText="Name" />

<asp:BoundField DataField="designation" HeaderText="Designation" />

<asp:BoundField DataField="mob\_number" HeaderText="Mobile Number" />

<asp:BoundField DataField="DOB" HeaderText="Date of Birth" />

<asp:BoundField DataField="gender" HeaderText="Gender" />

<asp:CommandField ShowEditButton="True" ShowDeleteButton="True" />

</Columns>

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server"

ConnectionString="<%$ ConnectionStrings:YourConnectionString %>"

SelectCommand="SELECT \* FROM Teachers"

DeleteCommand="DELETE FROM Teachers WHERE teacher\_id = @teacher\_id"

UpdateCommand="UPDATE Teachers SET name = @name, designation = @designation, mob\_number = @mob\_number, DOB = @DOB, gender = @gender WHERE teacher\_id = @teacher\_id">

<DeleteParameters>

<asp:Parameter Name="teacher\_id" Type="Int32" />

</DeleteParameters>

<UpdateParameters>

<asp:Parameter Name="name" Type="String" />

<asp:Parameter Name="designation" Type="String" />

<asp:Parameter Name="mob\_number" Type="String" />

<asp:Parameter Name="DOB" Type="DateTime" />

<asp:Parameter Name="gender" Type="String" />

<asp:Parameter Name="teacher\_id" Type="Int32" />

</UpdateParameters>

</asp:SqlDataSource>

</div>

</form>

</body>

</html>

**aspx.cs**

using System;

using System.Web.UI.WebControls;

namespace YourNamespace

{

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

{

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

{

if (!IsPostBack)

{

GridView1.DataBind();

}

}

protected void GridView1\_RowEditing(object sender, GridViewEditEventArgs e)

{

GridView1.EditIndex = e.NewEditIndex;

GridView1.DataBind();

}

protected void GridView1\_RowCancelingEdit(object sender, GridViewCancelEditEventArgs e)

{

GridView1.EditIndex = -1;

GridView1.DataBind();

}

protected void GridView1\_RowUpdating(object sender, GridViewUpdateEventArgs e)

{

GridViewRow row = GridView1.Rows[e.RowIndex];

int teacher\_id = Convert.ToInt32(GridView1.DataKeys[e.RowIndex].Values[0]);

string name = ((TextBox)row.Cells[1].Controls[0]).Text;

string designation = ((TextBox)row.Cells[2].Controls[0]).Text;

string mob\_number = ((TextBox)row.Cells[3].Controls[0]).Text;

DateTime DOB = Convert.ToDateTime(((TextBox)row.Cells[4].Controls[0]).Text);

string gender = ((TextBox)row.Cells[5].Controls[0]).Text;

// Update the data in the database using your data access layer or ORM

// Example:

// YourDataAccessLayer.UpdateTeacher(teacher\_id, name, designation, mob\_number, DOB, gender);

GridView1.EditIndex = -1;

GridView1.DataBind();

}

protected void GridView1\_RowDeleting(object sender, GridViewDeleteEventArgs e)

{

int teacher\_id = Convert.ToInt32(GridView1.DataKeys[e.RowIndex].Values[0]);

// Delete the data in the database using your data access layer or ORM

// Example:

// YourDataAccessLayer.DeleteTeacher(teacher\_id);

GridView1.DataBind();

}

}

}