**PRACTICAL 1. A**

using System;

public class practical1A

{

public static void Main(string[] args)

{

Console.Write("Enter the first number: ");

double num1 = Convert.ToDouble(Console.ReadLine());

Console.Write("Enter the second number: ");

double num2 = Convert.ToDouble(Console.ReadLine());

Console.WriteLine("\nResults:");

Console.WriteLine($"{num1} + {num2} = {num1+num2}");

Console.WriteLine($"{num1} - {num2} = {num1-num2}");

Console.WriteLine($"{num1} \* {num2} = {num1\*num2}");

Console.WriteLine($"{num1} / {num2} = {num1/num2}");

}

}

Output:-

Enter the first number: 1

Enter the second number: 2

Results:

1 + 2 = 3

1 - 2 = -1

1 \* 2 = 2

1 / 2 = 0.5

**PRACTICAL 1. B**

using System;

public class HelloWorld

{

public static void Main(string[] args)

{

int x=1;

for(int i=1;i<=4;i++)

{

for(int j=1;j<=i;j++)

{

Console.Write (x+" ");

x++;

}

Console.WriteLine();

}

}

}

Output:

1

2 3

4 5 6

7 8 9 10

**PRACTICAL 1. C**

using System;

public class A

{

public static void Main(string[] args)

{

int n1,n2,n3;

n1=0;

n2=1;

Console.WriteLine(n1);

Console.WriteLine(n2);

for(int i=2;i<10;i++)

{

n3=n1+n2;

n1=n2;

n2=n3;

Console.WriteLine(n3);

}

}

}

output

0

1

1

2

3

5

8

13

21

34

**ii. Test for prime numbers.**

using System;

class PrimeChecker

{

static void Main(string[] args)

{

Console.WriteLine("Please enter a number:");

int number = Convert.ToInt32(Console.ReadLine());

bool isPrime = true;

for (int divisor = 2; divisor <= number / 2; divisor++)

{

if (number % divisor == 0)

{

isPrime = false;

break;

}

}

if (isPrime && number > 1)

Console.WriteLine("The number is prime.");

else

Console.WriteLine("The number is not prime.");

}

}

output

enter no

7

number is prime

**PRACTICAL 2. A**

using System;

class BoxingUnboxingExample

{

static void Main(string[] args)

{

int a = 10;

object boxedValue = a;

a = 30; // Changing the original value

Console.WriteLine("Updated variable value: " + a);

Console.WriteLine("Boxed value (object): " + boxedValue);

int unboxedValue = (int)boxedValue;

Console.WriteLine("Unboxed value: " + unboxedValue);

}

}

OUTPUT:  
Updated variable value: 30

Boxed value (object): 10

Unboxed value: 10

**PRACTICAL 2. B**

public class Calculator

{

public delegate void MathOperation(int x, int y);

public static void Main(string[] args)

{

Console.Write("Input the first value: ");

int value1 = Convert.ToInt32(Console.ReadLine());

Console.Write("Input the second value: ");

int value2 = Convert.ToInt32(Console.ReadLine());

MathOperation addition = PerformAddition;

MathOperation subtraction = PerformSubtraction;

addition(value1, value2);

subtraction(value1, value2);

}

public static void PerformAddition(int x, int y)

{

Console.WriteLine("Sum: " + (x + y));

}

public static void PerformSubtraction(int x, int y)

{

Console.WriteLine("Difference: " + (x - y));

}

}

OUTPUT:  
Input the first value: 2

Input the second value: 4

Sum: 6

Difference: -2

**PRACTICAL 2. C**

using System;

interface InterfaceOne

{

void Display();

}

interface InterfaceTwo

{

void Display();

}

class Implementation : InterfaceOne, InterfaceTwo

{

void InterfaceOne.Display()

{

Console.WriteLine("InterfaceOne Display");

}

void InterfaceTwo.Display()

{

Console.WriteLine("InterfaceTwo Display");

}

}

class Test

{

public static void Main()

{

InterfaceOne obj1 = new Implementation();

InterfaceTwo obj2 = new Implementation();

obj1.Display();

obj2.Display();

}

}

OUTPUT:

InterfaceOne Display

InterfaceTwo Display

**PRACTICAL 3. A**

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="CustomApp.WebPage1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Custom Dropdown & Checkbox Form</title>

</head>

<body>

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

<div>

<asp:DropDownList ID="LocationDropdown" AutoPostBack="true" runat="server" OnSelectedIndexChanged="LocationDropdown\_SelectionChanged">

<asp:ListItem Value="500100">CityA</asp:ListItem>

<asp:ListItem Value="500101">CityB</asp:ListItem>

<asp:ListItem Value="500102">CityC</asp:ListItem>

</asp:DropDownList>

<asp:Label ID="OutputLabel" runat="server" Text="Output will appear here"></asp:Label>

<asp:RadioButtonList ID="ColorRadioButtonList" AutoPostBack="true" runat="server" OnSelectedIndexChanged="ColorRadioButtonList\_SelectionChanged">

<asp:ListItem Text="Green" Value="Green"></asp:ListItem>

<asp:ListItem Text="Yellow" Value="Yellow"></asp:ListItem>

<asp:ListItem Text="Orange" Value="Orange"></asp:ListItem>

</asp:RadioButtonList>

<asp:RadioButtonList ID="FontRadioButtonList" runat="server" AutoPostBack="true" OnSelectedIndexChanged="FontRadioButtonList\_SelectionChanged">

<asp:ListItem>Verdana</asp:ListItem>

<asp:ListItem>Comic Sans</asp:ListItem>

<asp:ListItem>Georgia</asp:ListItem>

</asp:RadioButtonList>

<asp:RadioButtonList ID="SizeRadioButtonList" runat="server" AutoPostBack="true" OnSelectedIndexChanged="SizeRadioButtonList\_SelectionChanged">

<asp:ListItem>Extra Small</asp:ListItem>

<asp:ListItem>Normal</asp:ListItem>

<asp:ListItem>Extra Large</asp:ListItem>

</asp:RadioButtonList>

<asp:CheckBox ID="BoldCheckBox" Text="Bold Text" AutoPostBack="true" OnCheckedChanged="BoldCheckBox\_Checked" runat="server" />

<asp:CheckBox ID="UnderlineCheckBox" Text="Underline Text" AutoPostBack="true" OnCheckedChanged="UnderlineCheckBox\_Checked" runat="server" />

<asp:CheckBox ID="ItalicCheckBox" Text="Italic Text" AutoPostBack="true" OnCheckedChanged="ItalicCheckBox\_Checked" runat="server" />

</div>

</form>

</body>

</html>

**webform1.cs**

using System;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace CustomApp

{

public partial class WebPage1 : System.Web.UI.Page

{

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

protected void LocationDropdown\_SelectionChanged(object sender, EventArgs e)

{

OutputLabel.Text = LocationDropdown.SelectedValue;

}

protected void ColorRadioButtonList\_SelectionChanged(object sender, EventArgs e)

{

if (ColorRadioButtonList.SelectedIndex == 0)

OutputLabel.ForeColor = System.Drawing.Color.Green;

if (ColorRadioButtonList.SelectedIndex == 1)

OutputLabel.ForeColor = System.Drawing.Color.Yellow;

if (ColorRadioButtonList.SelectedIndex == 2)

OutputLabel.ForeColor = System.Drawing.Color.Orange;

}

protected void FontRadioButtonList\_SelectionChanged(object sender, EventArgs e)

{

OutputLabel.Font.Name = FontRadioButtonList.SelectedValue;

}

protected void SizeRadioButtonList\_SelectionChanged(object sender, EventArgs e)

{

if (SizeRadioButtonList.SelectedIndex == 0)

OutputLabel.Font.Size = FontUnit.XSmall;

if (SizeRadioButtonList.SelectedIndex == 1)

OutputLabel.Font.Size = FontUnit.Medium;

if (SizeRadioButtonList.SelectedIndex == 2)

OutputLabel.Font.Size = FontUnit.XLarge;

}

protected void BoldCheckBox\_Checked(object sender, EventArgs e)

{

OutputLabel.Font.Bold = BoldCheckBox.Checked;

}

protected void UnderlineCheckBox\_Checked(object sender, EventArgs e)

{

OutputLabel.Font.Underline = UnderlineCheckBox.Checked;

}

protected void ItalicCheckBox\_Checked(object sender, EventArgs e)

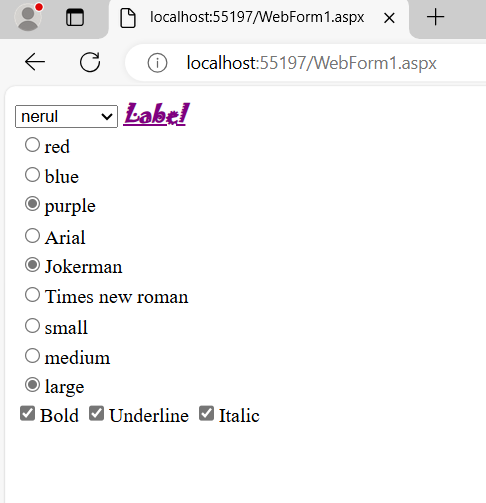
{

OutputLabel.Font.Italic = ItalicCheckBox.Checked;

}

}

}

****

**PRACTICAL 3. B**

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="CustomApp.WebPage1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Custom Calendar Page</title>

</head>

<body>

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

<div>

<asp:Calendar ID="CustomCalendar" runat="server" OnDayRender="CustomCalendar\_DayRender" OnSelectionChanged="CustomCalendar\_SelectionChanged"></asp:Calendar>

<asp:Label ID="DaysRemainingLabel" runat="server" Text="Days remaining will appear here"></asp:Label>

</div>

</form>

</body>

</html>

**webform1.cs**

using System;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace CustomApp

{

public partial class WebPage1 : System.Web.UI.Page

{

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

{

}

protected void CustomCalendar\_DayRender(object sender, DayRenderEventArgs e)

{

if (e.Day.Date.Day == 15 && e.Day.Date.Month == 8)

{

Label independenceDayLabel = new Label();

independenceDayLabel.Text = "Independence Day";

e.Cell.Controls.Add(independenceDayLabel);

}

DateTime startDate = new DateTime(2024, 09, 07);

DateTime endDate = startDate.AddDays(5);

CustomCalendar.SelectedDates.SelectRange(startDate, endDate);

TimeSpan remainingDays = new DateTime(2024, 08, 07) - DateTime.Now;

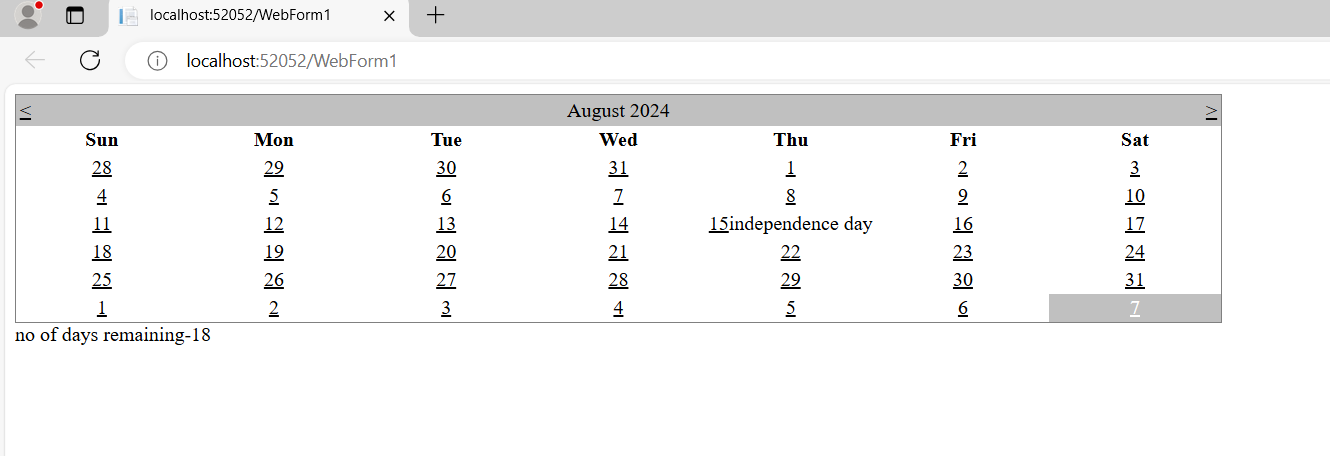
DaysRemainingLabel.Text = "Number of days remaining until August 7, 2024: " + remainingDays.Days.ToString();

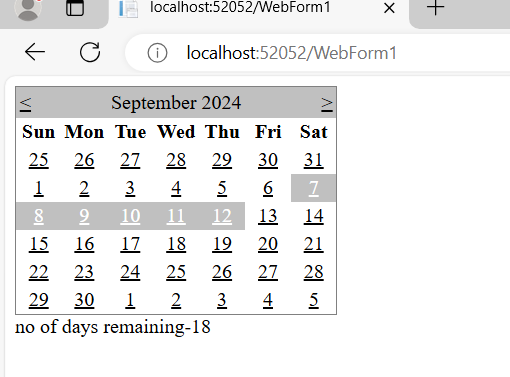
}

protected void CustomCalendar\_SelectionChanged(object sender, EventArgs e)

}

}





**PRACTICAL 3. C**

**Master page**

<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs" Inherits="WebApplication49.Site1" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title></title>

<asp:ContentPlaceHolder ID="head" runat="server">

</asp:ContentPlaceHolder>

</head>

<body>

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

<div>

<asp:Table ID="Table1" runat="server">

<asp:TableRow>

<asp:TableCell>

<asp:TreeView ID="TreeView1" runat="server">

<Nodes>

<asp:TreeNode Text="awp" NavigateUrl="~/WebForm2.aspx"></asp:TreeNode>

<asp:TreeNode Text="spm" NavigateUrl="~/WebForm3.aspx"></asp:TreeNode>

<asp:TreeNode Text="et" NavigateUrl="~/WebForm4.aspx"></asp:TreeNode>

</Nodes>

</asp:TreeView>

</asp:TableCell>

</asp:TableRow>

</asp:Table>

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

</div>

</form>

</body>

</html>

**Content page**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication49.WebForm2" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

AWP

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

C#,.NET FRAMEWORK

</asp:Content>

**Content page**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="WebApplication49.WebForm3" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

SPD

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

PROJECT MANAGMENT

</asp:Content>

**Content page**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs" Inherits="WebApplication49.WebForm4" %>

<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">

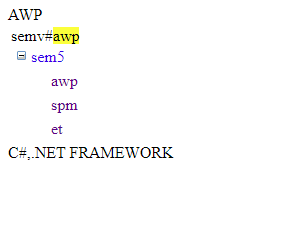
ET

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

NEW GENERATION TECHNOLOGY

</asp:Content>



**PRACTICAL 4. A**

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication25.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<br/> enter name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ControlToValidate="TextBox1" ErrorMessage="enter name"></asp:RequiredFieldValidator>

<br/> enter age:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="TextBox2" ErrorMessage="enter valid age" MinimumValue="18" MaximumValue="60" Type="Integer"></asp:RangeValidator>

<br/> enter email id:<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server" ControlToValidate="TextBox3" ErrorMessage="enter valid mail" ValidationExpression="\S+\@\S+\.\S+"></asp:RegularExpressionValidator>

<br/> enter pswd:<asp:TextBox ID="TextBox4" runat="server" TextMode="Password"></asp:TextBox><asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server" ControlToValidate="TextBox4" ErrorMessage="enterpass"></asp:RequiredFieldValidator>

<br/> reenter pswd:<asp:TextBox ID="TextBox5" runat="server" TextMode="Password"></asp:TextBox><asp:CompareValidator ID="CompareValidator1" runat="server" ControlToValidate="TextBox5" ControlToCompare="TextBox4" Operator="Equal" ErrorMessage="wrongpass"></asp:CompareValidator>

<br/> enter mobile no:<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox><asp:CustomValidator ID="CustomValidator1" runat="server" ControlToValidate="TextBox6" ErrorMessage="enter mob no" OnServerValidate="CustomValidator1\_ServerValidate"></asp:CustomValidator>

<br/> <asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

**webform1.cs**

using System;

using System.Collections.Generic;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

namespace WebApplication25

{

public partial class WebForm2 : System.Web.UI.Page

{

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

{

}

protected void CustomValidator1\_ServerValidate(object source, ServerValidateEventArgs args)

{

if (args.Value.Length == 10)

args.IsValid = true;

else

args.IsValid = false;

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (Page.IsValid)

Response.Write("data validated");

}

}

}



**PRACTICAL 4. B**

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication25.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:AdRotator ID="AdRotator1" runat="server" AdvertisementFile="~/adv.xml" Target="\_blank"/>

</div>

</form>

</body>

</html>

**adv.xml**

<?xml version="1.0" encoding="utf-8" ?>

<Advertisements>

<Ad>

<ImageUrl>google.png</ImageUrl>

<NavigateUrl>https://google.com</NavigateUrl>

<AlternateText>google</AlternateText>

<Keyword>google</Keyword>

<Impressions>20</Impressions>

</Ad>

<Ad>

<ImageUrl>gmail.png</ImageUrl>

<NavigateUrl>https://gmail.com</NavigateUrl>

<AlternateText>gmail</AlternateText>

<Keyword>google</Keyword>

<Impressions>10</Impressions>

</Ad>

<Ad>

<ImageUrl>yahoo.png</ImageUrl>

<NavigateUrl>https://yahoo.com</NavigateUrl>

<AlternateText>yahoo</AlternateText>

<Keyword>google</Keyword>

<Impressions>30</Impressions>

</Ad>

</Advertisements>

 **PRACTICAL 4. C**

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication43.WebForm1" %>

<%@ Register Src="~/WebUserControl1.ascx" TagPrefix="uc1" TagName="WebUserControl1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

DOB: <uc1:WebUserControl1 runat="server" id="WebUserControl1" />

</div>

</form>

</body>

</html>

**Webform2.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication43.WebForm2" %>

<%@ Register Src="~/WebUserControl1.ascx" TagPrefix="uc1" TagName="WebUserControl1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

DOJ:<uc1:WebUserControl1 runat="server" id="WebUserControl1" />

</div>

</form>

</body>

</html>

**Webform 3.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="WebApplication43.WebForm3" %>

<%@ Register Src="~/WebUserControl1.ascx" TagPrefix="uc1" TagName="WebUserControl1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

DOP:<uc1:WebUserControl1 runat="server" id="WebUserControl1" />

</div>

</form>

</body>

</html>

**WebUserControl1.ascx**

<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="WebUserControl1.ascx.cs" Inherits="WebApplication43.WebUserControl1" %>

<asp:Calendar ID="Calendar1" runat="server" OnSelectionChanged="Calendar1\_SelectionChanged"></asp:Calendar>

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

**WebUserControl1.ascx.cs**

namespace WebApplication43

{

public partial class WebUserControl1 : System.Web.UI.UserControl

{

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

{

}

protected void Calendar1\_SelectionChanged(object sender, EventArgs e)

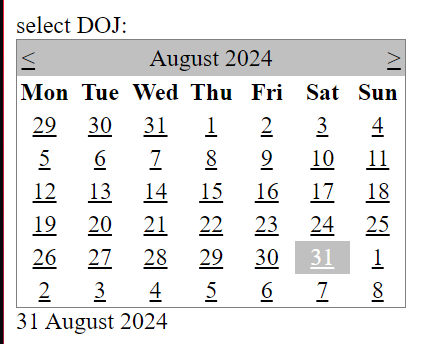
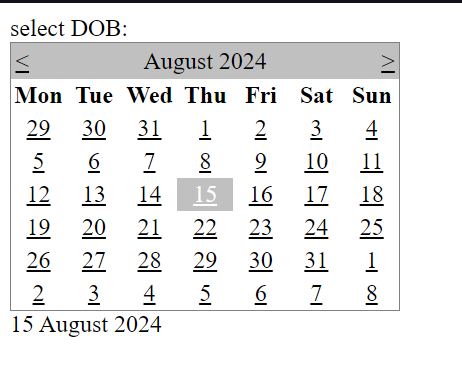
{

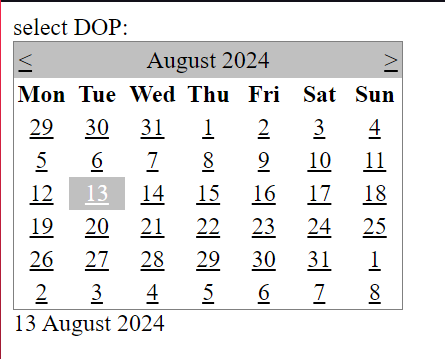
Label1.Text = Calendar1.SelectedDate.ToLongDateString();

}

}

}





**PRACTICAL 5. A**

**Site1.master**

<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs" Inherits="WebApplication5.Site1" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<asp:Menu ID="Menu1" runat="server">

<Items>

<asp:MenuItem Text="TYIT">

<asp:MenuItem Text="sem 5">

<asp:MenuItem Text="ET" NavigateUrl="~/WebForm2.aspx"></asp:MenuItem>

<asp:MenuItem Text="AWD" NavigateUrl="~/WebForm3.aspx"></asp:MenuItem>

</asp:MenuItem>

</asp:MenuItem>

</Items>

</asp:Menu>

<asp:Table ID="Table1" runat="server">

<asp:TableRow>

<asp:TableCell>

<asp:SiteMapPath ID="SiteMapPath1" runat="server" PathSeparator="#" CurrentNodeStyle-BackColor="Yellow"></asp:SiteMapPath>

<asp:TreeView ID="TreeView1" runat="server">

<Nodes>

<asp:TreeNode Text="sem4">

<asp:TreeNode Text="java" NavigateUrl="~/WebForm4.aspx"></asp:TreeNode>

<asp:TreeNode Text="es" NavigateUrl="~/WebForm5.aspx"></asp:TreeNode>

</asp:TreeNode>

</Nodes>

</asp:TreeView>

</asp:TableCell>

</asp:TableRow>

</asp:Table>

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

</div>

</form>

</body>

</html>

**WebForm2.aspx**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication5.WebForm2" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

ET

</asp:Content>

**WebForm3.aspx**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="WebApplication5.WebForm3" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

AWD

</asp:Content>

**WebForm4.aspx**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs" Inherits="WebApplication5.WebForm4" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

java

</asp:Content>

**WebForm5.aspx**

<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm5.aspx.cs" Inherits="WebApplication5.WebForm5" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

ES

</asp:Content>

**web.sitemap**

<?xml version="1.0" encoding="utf-8" ?>

<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0">

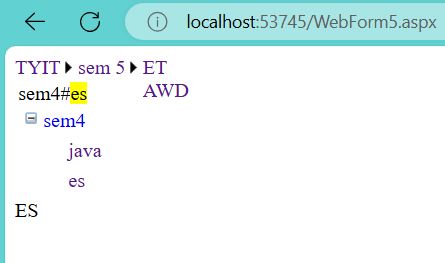
<siteMapNode title="sem4">

<siteMapNode url="WebForm4.aspx" title="java" />

<siteMapNode url="WebForm5.aspx" title="es" />

</siteMapNode>

</siteMap>



**PRACTICAL 5. B**

**Master page**

<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs" Inherits="WebApplication8.Site1" %>

<!DOCTYPE html>

<html>

<head runat="server">

<title>TYIT Master Page</title>

</head>

<body>

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

<div>

<asp:Table ID="Table1" runat="server" GridLines="Both" Height="452px" Width="1129px">

<asp:TableRow>

<asp:TableCell ColumnSpan="2" Style="text-align:center;">TYIT Master</asp:TableCell>

</asp:TableRow>

<asp:TableRow>

<asp:TableCell>

<asp:TreeView ID="TreeView1" runat="server">

<Nodes>

<asp:TreeNode Text="SEM5">

<asp:TreeNode Text="Awp" NavigateUrl="~/WebForm7.aspx"></asp:TreeNode>

</asp:TreeNode>

<asp:TreeNode Text="SEM6">

<asp:TreeNode Text="et" NavigateUrl="~/WebForm8.aspx"></asp:TreeNode>

</asp:TreeNode>

</Nodes>

</asp:TreeView>

<asp:Menu ID="Menu1" runat="server">

<Items>

<asp:MenuItem Text="sem5">

<asp:MenuItem Text="awp" NavigateUrl="~/WebForm7.aspx"></asp:MenuItem>

</asp:MenuItem>

<asp:MenuItem Text="sem6">

<asp:MenuItem Text="et" NavigateUrl="~/WebForm8.aspx"></asp:MenuItem>

</asp:MenuItem>

</Items>

</asp:Menu>

</asp:TableCell>

<asp:TableCell>

<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">

</asp:ContentPlaceHolder>

</asp:TableCell>

</asp:TableRow>

<asp:TableRow>

<asp:TableCell ColumnSpan="2" Style="text-align:center;">&copy; Copyright</asp:TableCell>

</asp:TableRow>

</asp:Table>

</div>

</form>

</body>

</html>

**Content page**

<%@ Page Title="AWP Page" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm7.aspx.cs" Inherits="WebApplication8.WebForm7" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<h2>Awp</h2>

</asp:Content>

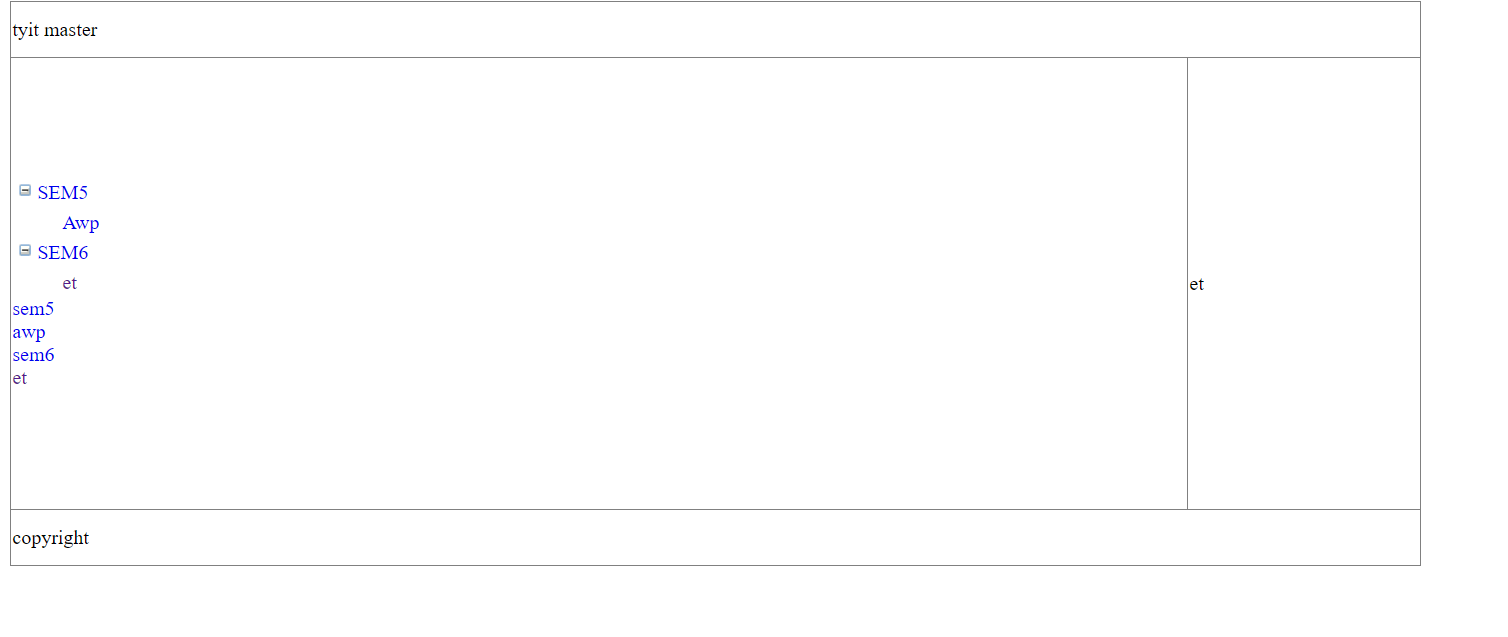
**Content page**

<%@ Page Title="ET Page" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true" CodeBehind="WebForm8.aspx.cs" Inherits="WebApplication8.WebForm8" %>

<asp:Content ID="Content1" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">

<h2>ET</h2>

</asp:Content>



**PRACTICAL 5. C**

**webform1.apsx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication50.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>ViewState Example</title>

</head>

<body>

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

<div>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<asp:Button ID="Button1" runat="server" Text="Increment" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

**webform1.cs**

namespace WebApplication50

{

public partial class WebForm1 : System.Web.UI.Page

{

int x = 1;

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

{

if (!IsPostBack)

{

TextBox1.Text = "0";

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (ViewState["a"] != null)

{

x = Convert.ToInt32(ViewState["a"]) + 1;

}

TextBox1.Text = x.ToString();

ViewState["a"] = x; }

}

}



**1)viewstate session**



**2)Session**

namespace WebApplication50

{

public partial class WebForm1 : System.Web.UI.Page

{

int x = 1;

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

{

if (!IsPostBack)

{

TextBox1.Text = "0"; }

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (Session["a"] != null)

{

x = Convert.ToInt32(Session["a"]) + 1;

}

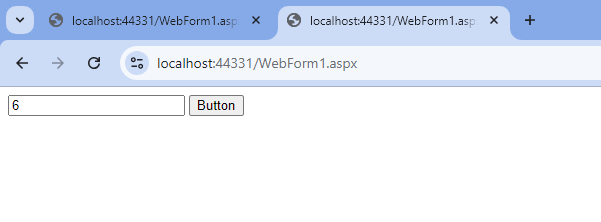
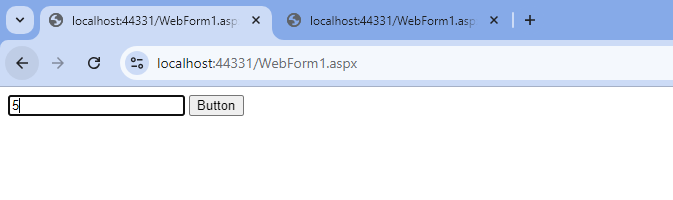
TextBox1.Text = x.ToString();

Session["a"] = x;

}

}

}



**3)Application**

namespace WebApplication50

{

public partial class WebForm1 : System.Web.UI.Page

{

int x = 1;

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

{

if (!IsPostBack)

{

TextBox1.Text = "0"; // Initialize TextBox on first load

}

}

protected void Button1\_Click(object sender, EventArgs e)

{

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

{

x = Convert.ToInt32(Application["a"]) + 1; // Increment the value from Application

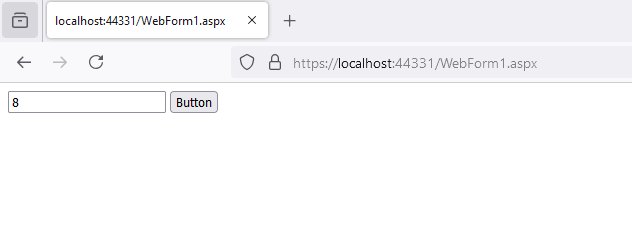
}

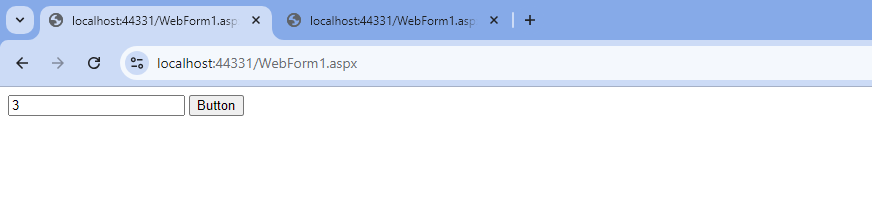
TextBox1.Text = x.ToString();

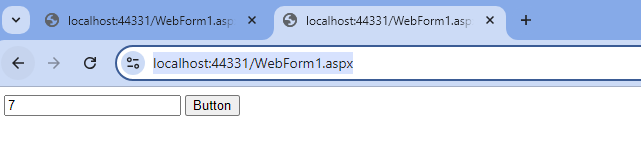
Application["a"] = x; // Store updated value in Application

}

}

}





**PRACTICAL 6. A**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication37.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:DetailsView ID="DetailsView1" runat="server" Height="50px" Width="125px" AllowPaging="True" AutoGenerateRows="False" DataKeyNames="Id" DataSourceID="SqlDataSource1">

<Fields>

<asp:BoundField DataField="Id" HeaderText="Id" ReadOnly="True" SortExpression="Id" />

<asp:BoundField DataField="ename" HeaderText="ename" SortExpression="ename" />

<asp:BoundField DataField="project" HeaderText="project" SortExpression="project" />

<asp:BoundField DataField="sal" HeaderText="sal" SortExpression="sal" />

<asp:BoundField DataField="address" HeaderText="address" SortExpression="address" />

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

</Fields>

</asp:DetailsView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="Data Source=SQL;Initial Catalog=tyit2425;User ID=user1;Password=user1" DeleteCommand="DELETE FROM [employee] WHERE [Id] = @Id" InsertCommand="INSERT INTO [employee] ([Id], [ename], [project], [sal], [address]) VALUES (@Id, @ename, @project, @sal, @address)" ProviderName="<%$ ConnectionStrings:tyit2425ConnectionString2.ProviderName %>" SelectCommand="SELECT \* FROM [employee]" UpdateCommand="UPDATE [employee] SET [ename] = @ename, [project] = @project, [sal] = @sal, [address] = @address WHERE [Id] = @Id">

<DeleteParameters>

<asp:Parameter Name="Id" Type="Int32" />

</DeleteParameters>

<InsertParameters>

<asp:Parameter Name="Id" Type="Int32" />

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

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

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

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

</InsertParameters>

<UpdateParameters>

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

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

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

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

<asp:Parameter Name="Id" Type="Int32" />

</UpdateParameters>

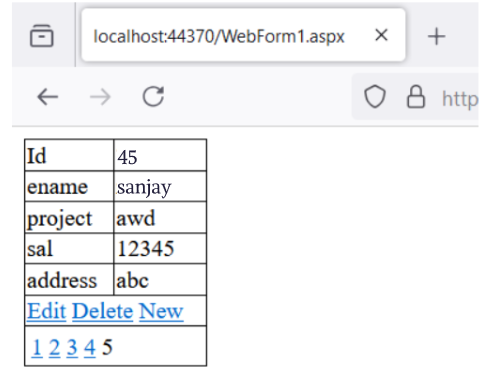
</asp:SqlDataSource>

</div>

</form>

</body>

</html>



**PRACTICAL 6. B**

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication10.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:GridView ID="GridView1" runat="server"></asp:GridView>

</div>

</form>

</body>

</html>

**Webform1.cs**

using System;

using System.Data;

using System.Data.SqlClient;

namespace WebApplication10

{

public partial class WebForm2 : System.Web.UI.Page

{

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

{

SqlConnection con = new SqlConnection("Data Source=SQL;Initial Catalog=Muskan;User ID=user1;Password=user1");

SqlDataAdapter ad = new SqlDataAdapter("select \* from studinfo", con);

DataSet ds = new DataSet();

ad.Fill(ds);

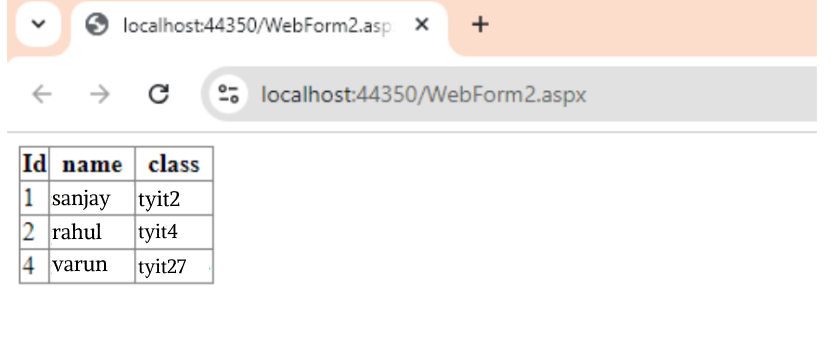
GridView1.DataSource = ds;

GridView1.DataBind();

}

}

}



**PRACTICAL7. A**

Non Persistent cookies

**webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication54.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

class:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<asp:Button ID="Button1" runat="server" Text="submit" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

**Webform2.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication54.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

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

class:<asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>

</div>

</form>

</body>

</html>

**webform.1.aspx.cs**

using System;

using System.Web;

public partial class WebForm1 : System.Web.UI.Page

{

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

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

HttpCookie cookie = new HttpCookie("studinfo");

cookie["name"] = TextBox1.Text;

cookie["class"] = TextBox2.Text;

cookie.Expires = DateTime.Now.AddDays(10);

Response.Cookies.Add(cookie);

Response.Redirect("WebForm2.aspx");

}

}

**webform.2.aspx.cs**

using System;

using System.Web;

public partial class WebForm2 : System.Web.UI.Page

{

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

{

HttpCookie cookie = Request.Cookies["studinfo"];

if (cookie != null)

{

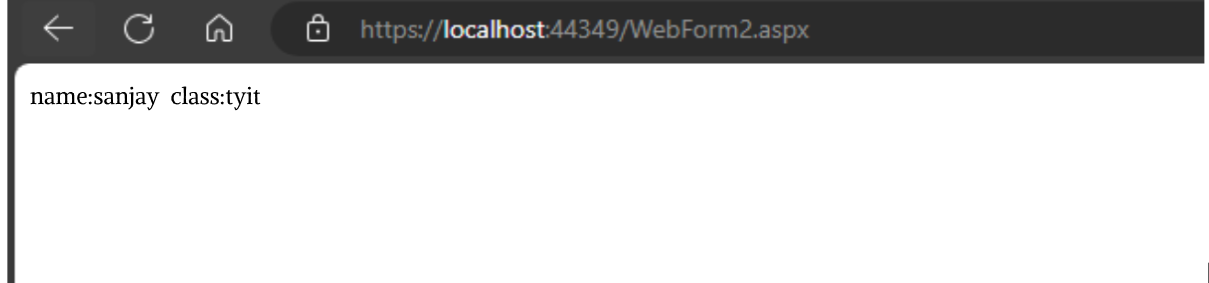
Label1.Text = cookie["name"];

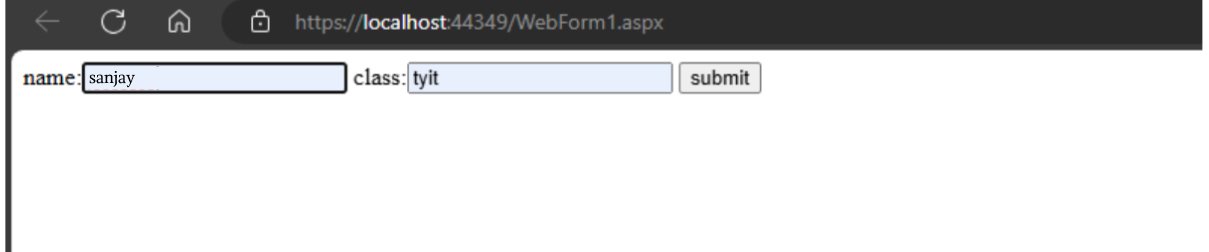
Label2.Text = cookie["class"];

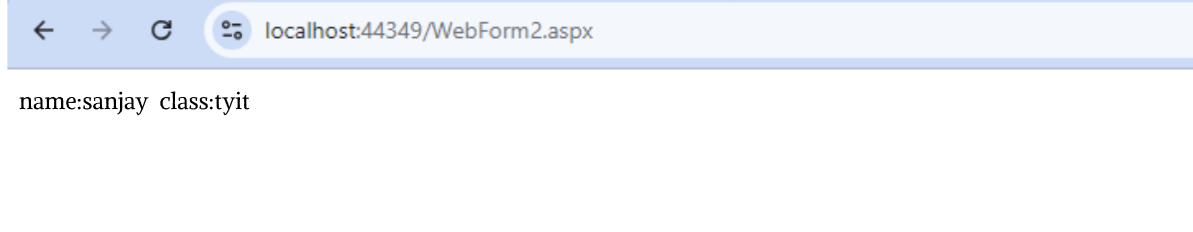
}

}

}







Persistant

**Webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication54.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

class:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>

<asp:Button ID="Button1" runat="server" Text="submit" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

**Webform2.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication54.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

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

class:<asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>

</div>

</form>

</body>

</html>

**webform.1.aspx.cs**

using System;

using System.Web;

namespace WebApplication54

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

HttpCookie cookie = new HttpCookie("studinfo");

cookie["name"] = TextBox1.Text;

cookie["class"] = TextBox2.Text;

cookie.Expires = DateTime.Now.AddDays(10); // Cookie will persist for 10 days

Response.Cookies.Add(cookie);

Response.Redirect("WebForm2.aspx");

}

}

}

**webform.2.aspx.cs**

using System;

using System.Web;

namespace WebApplication54

{

public partial class WebForm2 : System.Web.UI.Page

{

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

{

HttpCookie cookie = Request.Cookies["studinfo"];

if (cookie != null)

{

Label1.Text = cookie["name"];

Label2.Text = cookie["class"];

}

}

}

}

**PRACTICAL7. B**

**Webform3.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs" Inherits="WebApplication54.WebForm3" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Login</title>

</head>

<body>

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

<div>

User ID: <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br />

Password: <asp:TextBox ID="TextBox2" runat="server" TextMode="Password"></asp:TextBox><br />

<asp:Button ID="Button1" runat="server" Text="Login" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

**Webform4.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs" Inherits="WebApplication54.WebForm4" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Welcome</title>

</head>

<body>

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

<div>

Welcome to the application!

</div>

</form>

</body>

</html>

**Web.config**

<?xml version="1.0" encoding="utf-8"?>

<configuration>

<system.web>

<authentication mode="Forms">

<forms loginUrl="WebForm3.aspx" defaultUrl="WebForm4.aspx" timeout="20" protection="None">

<credentials passwordFormat="Clear">

<user name="tyit" password="tyit"/>

</credentials>

</forms>

</authentication>

<authorization>

<deny users="?"/>

</authorization>

<compilation debug="true" targetFramework="4.7.2" />

<httpRuntime targetFramework="4.7.2" />

</system.web>

</configuration>

**webform3.aspx.cs**

using System;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

using System.Web.Security;

namespace WebApplication54

{

public partial class WebForm3 : System.Web.UI.Page

{

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

{

}

protected void Button1\_Click(object sender, EventArgs e)

{

if (FormsAuthentication.Authenticate(TextBox1.Text, TextBox2.Text))

{

FormsAuthentication.RedirectFromLoginPage(TextBox1.Text, false);

}

else

{

Response.Write("Invalid credentials. Please try again.");

TextBox1.Text = "";

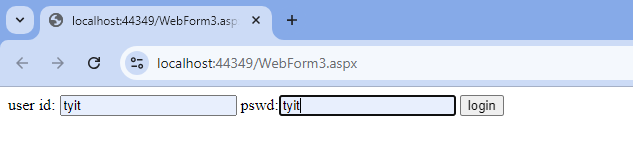
TextBox2.Text = "";

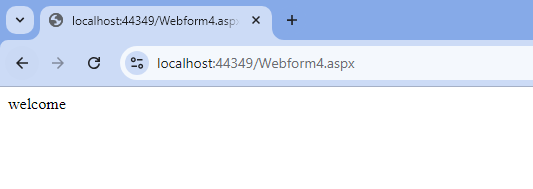
}

}

}

}





**PRACTICAL 8. A**

**Webform1.aspx**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication10.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Student Information</title>

</head>

<body>

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

<div>

ID: <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br />

Name: <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br />

Class: <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br />

<asp:Button ID="Button1" runat="server" Text="Insert" OnClick="Button1\_Click" />

<asp:Button ID="Button2" runat="server" Text="Delete" OnClick="Button2\_Click" />

</div>

</form>

</body>

</html>

**webform1.cs**

using System;

using System.Data.SqlClient;

using System.Web.UI;

namespace WebApplication10

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

// No specific action needed on page load for this form.

}

protected void Button1\_Click(object sender, EventArgs e)

{

// Insert record into the database

using (SqlConnection con = new SqlConnection("Data Source=SQL;Initial Catalog=Muskan;User ID=user1;Password=user1"))

{

SqlCommand cmd = new SqlCommand("INSERT INTO studinfo (Id, Name, Class) VALUES (@Id, @Name, @Class)", con);

cmd.Parameters.AddWithValue("@Id", TextBox1.Text);

cmd.Parameters.AddWithValue("@Name", TextBox2.Text);

cmd.Parameters.AddWithValue("@Class", TextBox3.Text);

con.Open();

int rowsAffected = cmd.ExecuteNonQuery();

con.Close();

if (rowsAffected > 0)

{

Response.Write("Data inserted successfully.");

}

else

{

Response.Write("Failed to insert data.");

}

}

}

protected void Button2\_Click(object sender, EventArgs e)

{

// Delete record from the database

using (SqlConnection con = new SqlConnection("Data Source=SQL;Initial Catalog=Muskan;User ID=user1;Password=user1"))

{

SqlCommand cmd = new SqlCommand("DELETE FROM studinfo WHERE Id=@Id", con);

cmd.Parameters.AddWithValue("@Id", TextBox1.Text);

con.Open();

int rowsAffected = cmd.ExecuteNonQuery();

con.Close();

if (rowsAffected > 0)

{

Response.Write("Data deleted successfully.");

}

else

{

Response.Write("No record found with the specified ID.");

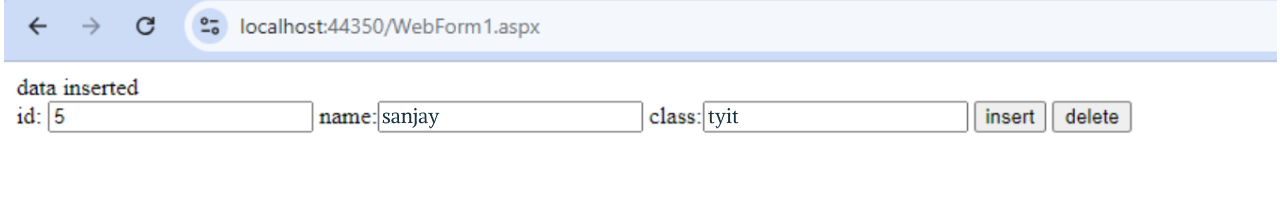
}

}

}

}

}



**PRACTICAL 8. B**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication13.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Age Validation</title>

</head>

<body>

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

<div>

Enter Age: <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<asp:Button ID="Button1" runat="server" Text="Validate" OnClick="Button1\_Click" />

</div>

</form>

</body>

</html>

using System;

using System.Web.UI;

namespace WebApplication13

{

class AgeException : Exception

{

public AgeException(string message) : base(message) { }

}

public partial class WebForm1 : System.Web.UI.Page

{

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

protected void Button1\_Click(object sender, EventArgs e)

{

int age = Convert.ToInt32(TextBox1.Text);

try

{

if (age > 80)

{

throw new AgeException("Invalid age");

}

Response.Write("Age is valid.");

}

catch (AgeException ex)

{

Response.Write(ex.Message);

}

finally

{

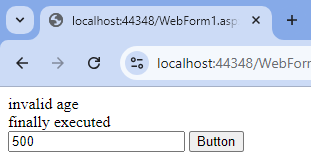
Response.Write("<br> Finally block executed.");

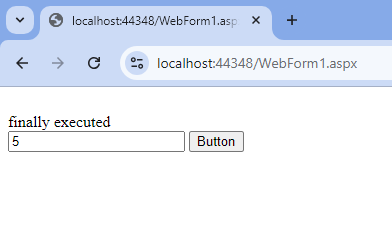
}

}

}

}





**PRACTICAL 9. A**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs" Inherits="WebApplication37.WebForm2" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Student Information</title>

</head>

<body>

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

<div>

<asp:GridView ID="GridView1" runat="server" AllowPaging="True" AllowSorting="True" AutoGenerateColumns="False" DataKeyNames="Id" DataSourceID="SqlDataSource1">

<AlternatingRowStyle BorderColor="LightBlue" />

<Columns>

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

<asp:BoundField DataField="Id" HeaderText="Student ID" ReadOnly="True" SortExpression="Id" />

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

<asp:BoundField DataField="class" HeaderText="Class" SortExpression="class" />

</Columns>

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="Data Source=SQL;Initial Catalog=Muskan;Persist Security Info=True;User ID=user1;Password=user1"

DeleteCommand="DELETE FROM [studinfo] WHERE [Id] = @Id"

InsertCommand="INSERT INTO [studinfo] ([Id], [name], [class]) VALUES (@Id, @name, @class)"

SelectCommand="SELECT \* FROM [studinfo]"

UpdateCommand="UPDATE [studinfo] SET [name] = @name, [class] = @class 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="class" Type="String" />

</InsertParameters>

<UpdateParameters>

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

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

<asp:Parameter Name="Id" Type="Int32" />

</UpdateParameters>

</asp:SqlDataSource>

<asp:FormView ID="FormView1" runat="server" DataKeyNames="Id" DataSourceID="SqlDataSource2">

<EditItemTemplate>

Student ID:

<asp:Label ID="IdLabel1" runat="server" Text='<%# Eval("Id") %>' />

<br />

Name:

<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>' />

<br />

Class:

<asp:TextBox ID="classTextBox" runat="server" Text='<%# Bind("class") %>' />

<br />

<asp:LinkButton ID="UpdateButton" runat="server" CommandName="Update" Text="Update" />

&nbsp;<asp:LinkButton ID="UpdateCancelButton" runat="server" CommandName="Cancel" Text="Cancel" />

</EditItemTemplate>

<InsertItemTemplate>

Student ID:

<asp:TextBox ID="IdTextBox" runat="server" Text='<%# Bind("Id") %>' />

<br />

Name:

<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>' />

<br />

Class:

<asp:TextBox ID="classTextBox" runat="server" Text='<%# Bind("class") %>' />

<br />

<asp:LinkButton ID="InsertButton" runat="server" CommandName="Insert" Text="Insert" />

&nbsp;<asp:LinkButton ID="InsertCancelButton" runat="server" CommandName="Cancel" Text="Cancel" />

</InsertItemTemplate>

<ItemTemplate>

Student ID:

<asp:Label ID="IdLabel" runat="server" Text='<%# Eval("Id") %>' />

<br />

Name:

<asp:Label ID="nameLabel" runat="server" Text='<%# Bind("name") %>' />

<br />

Class:

<asp:Label ID="classLabel" runat="server" Text='<%# Bind("class") %>' />

<br />

</ItemTemplate>

</asp:FormView>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="Data Source=SQL;Initial Catalog=Muskan;Persist Security Info=True;User ID=user1;Password=user1"

SelectCommand="SELECT \* FROM [studinfo] WHERE ([Id] = @Id)">

<SelectParameters>

<asp:ControlParameter ControlID="GridView1" Name="Id" PropertyName="SelectedValue" Type="Int32" />

</SelectParameters>

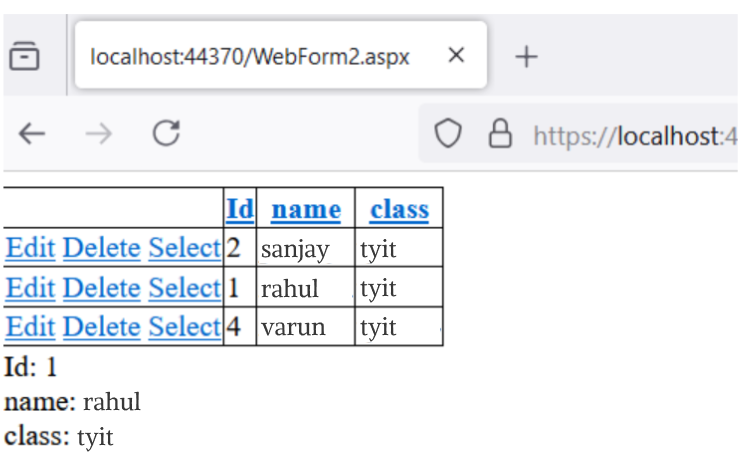
</asp:SqlDataSource>

</div>

</form>

</body>

</html>

****

**PRACTICAL 9. B**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm5.aspx.cs" Inherits="WebApplication37.WebForm5" %>

<!DOCTYPE html>

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

<head runat="server">

<title>Student Information Management</title>

</head>

<body>

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

<div>

<asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="Id" DataSourceID="SqlDataSource1">

<Columns>

<asp:CommandField ShowSelectButton="True" />

<asp:BoundField DataField="Id" HeaderText="ID" ReadOnly="True" SortExpression="Id" />

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

<asp:BoundField DataField="class" HeaderText="Class" SortExpression="class" />

</Columns>

</asp:GridView>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="Data Source=SQL;Initial Catalog=Muskan;Persist Security Info=True;User ID=user1;Password=user1" SelectCommand="SELECT \* FROM [studinfo]"></asp:SqlDataSource>

<asp:DetailsView ID="DetailsView1" runat="server" Height="50px" Width="125px" AutoGenerateRows="False" DataKeyNames="Id" DataSourceID="SqlDataSource2">

<Fields>

<asp:BoundField DataField="Id" HeaderText="ID" ReadOnly="True" SortExpression="Id" />

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

<asp:BoundField DataField="class" HeaderText="Class" SortExpression="class" />

</Fields>

</asp:DetailsView>

<asp:SqlDataSource ID="SqlDataSource2" runat="server" ConnectionString="Data Source=SQL;Initial Catalog=Muskan;Persist Security Info=True;User ID=user1;Password=user1" SelectCommand="SELECT \* FROM [studinfo] WHERE ([Id] = @Id)">

<SelectParameters>

<asp:ControlParameter ControlID="GridView1" Name="Id" PropertyName="SelectedValue" Type="Int32" />

</SelectParameters>

</asp:SqlDataSource>

<asp:FormView ID="FormView1" runat="server" DataKeyNames="Id" DataSourceID="SqlDataSource2">

<EditItemTemplate>

ID:

<asp:Label ID="IdLabel1" runat="server" Text='<%# Eval("Id") %>' />

<br />

Name:

<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>' />

<br />

Class:

<asp:TextBox ID="classTextBox" runat="server" Text='<%# Bind("class") %>' />

<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>

<InsertItemTemplate>

ID:

<asp:TextBox ID="IdTextBox" runat="server" Text='<%# Bind("Id") %>' />

<br />

Name:

<asp:TextBox ID="nameTextBox" runat="server" Text='<%# Bind("name") %>' />

<br />

Class:

<asp:TextBox ID="classTextBox" runat="server" Text='<%# Bind("class") %>' />

<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 />

Class:

<asp:Label ID="classLabel" runat="server" Text='<%# Bind("class") %>' />

<br />

</ItemTemplate>

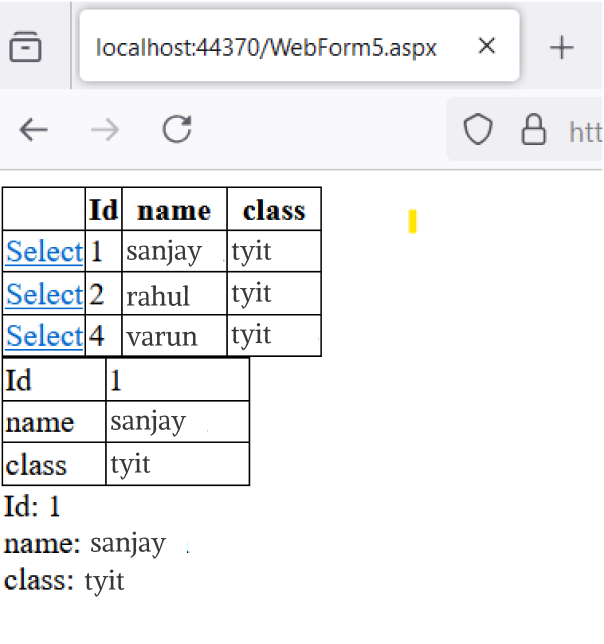
</asp:FormView>

</div>

</form>

</body>

</html>

****

**PRACTICAL 10. A**

**index.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Bootstrap Button Demo</title>

<!-- Bootstrap CSS -->

<link href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css" rel="stylesheet">

<!-- Optional custom CSS -->

<link rel="stylesheet" href="style.css">

</head>

<body>

<div class="container mt-5">

<h1 class="text-center">Bootstrap Button Demo</h1>

<div class="text-center mt-4">

<h4>Basic Buttons</h4>

<button type="button" class="btn btn-primary">Primary</button>

<button type="button" class="btn btn-secondary">Secondary</button>

<button type="button" class="btn btn-success">Success</button>

<button type="button" class="btn btn-danger">Danger</button>

<button type="button" class="btn btn-warning">Warning</button>

<button type="button" class="btn btn-info">Info</button>

<button type="button" class="btn btn-light">Light</button>

<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>

</div>

<div class="text-center mt-4">

<h4>Button Sizes</h4>

<button type="button" class="btn btn-primary btn-lg">Large Button</button>

<button type="button" class="btn btn-primary">Normal Button</button>

<button type="button" class="btn btn-primary btn-sm">Small Button</button>

</div>

<div class="text-center mt-4">

<h4>Button States</h4>

<button type="button" class="btn btn-primary" id="toggleButton">Toggle Me!</button>

</div>

</div>

<!-- Bootstrap JS and dependencies -->

<script src="https://code.jquery.com/jquery-3.5.1.slim.min.js"></script>

<script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"></script>

<script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"></script>

<!-- Optional custom JavaScript -->

<script src="script.js"></script>

</body>

</html>

**PRACTICAL 10. B**

**1)timer**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication14.WebForm1" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

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

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:Timer ID="Timer1" runat="server" Interval="4000" OnTick="Timer1\_Tick"></asp:Timer>

inside:<asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>

</ContentTemplate>

</asp:UpdatePanel>

<asp:UpdateProgress ID="UpdateProgress1" runat="server">

<ProgressTemplate>

plsss......wait

</ProgressTemplate>

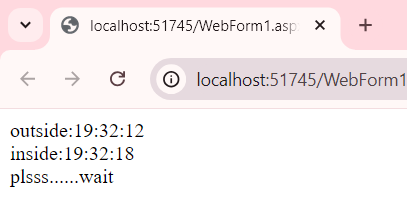
</asp:UpdateProgress>

</div>

</form>

</body>

</html>

****

**2)accordion**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication14.WebForm1" %>

<%@ Register Assembly="AjaxControlToolkit" Namespace="AjaxControlToolkit" TagPrefix="ajaxToolkit" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

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

<ajaxToolkit:Accordion ID="Accordion1" runat="server">

<Panes>

<ajaxToolkit:AccordionPane ID="AccordionPane1" runat="server">

<Header>

sem5

</Header>

<Content>

awd

spd

iot

et

ai

</Content>

</ajaxToolkit:AccordionPane>

<ajaxToolkit:AccordionPane ID="AccordionPane2" runat="server">

<Header>

sem6

</Header>

<Content>

bi

gis

sqa

cl

</Content>

</ajaxToolkit:AccordionPane>

</Panes>

</ajaxToolkit:Accordion>

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:UpdatePanel ID="UpdatePanel1" runat="server">

<ContentTemplate>

<asp:Timer ID="Timer1" runat="server" Interval="4000" OnTick="Timer1\_Tick"></asp:Timer>

inside:<asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>

</ContentTemplate>

</asp:UpdatePanel>

<asp:UpdateProgress ID="UpdateProgress1" runat="server">

<ProgressTemplate>

plsss......wait

</ProgressTemplate>

</asp:UpdateProgress>

</div>

</form>

</body>

</html>

**webform1.cs**

using System;

using System.Web.UI;

namespace WebApplication14

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

Label1.Text = DateTime.Now.ToLongTimeString();

}

protected void Timer1\_Tick(object sender, EventArgs e)

{

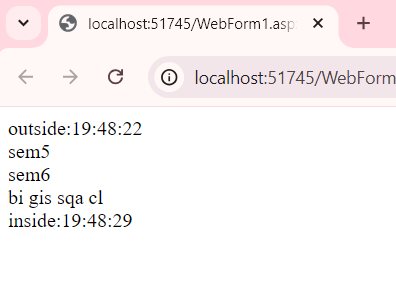
System.Threading.Thread.Sleep(2000);

Label2.Text = DateTime.Now.ToLongTimeString();

}

}

}



**3)AUTOCONTROL**

**WEBFORM1.ASPX**

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication40.WebForm1" %>

<%@ Register assembly="AjaxControlToolkit" namespace="AjaxControlToolkit" tagprefix="ajaxToolkit" %>

<!DOCTYPE html>

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

<head runat="server">

<title></title>

</head>

<body>

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

<div>

<asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>

<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

<ajaxToolkit:AutoCompleteExtender ID="TextBox1\_AutoCompleteExtender" runat="server" MinimumPrefixLength="1" BehaviorID="TextBox1\_AutoCompleteExtender" DelimiterCharacters="" ServicePath="" ServiceMethod="getinfo" TargetControlID="TextBox1">

</ajaxToolkit:AutoCompleteExtender>

</div>

</form>

</body>

</html>

**WEBFORM1.CS**

using System;

using System.Linq;

using System.Web.UI;

namespace WebApplication40

{

public partial class WebForm1 : System.Web.UI.Page

{

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

{

}

[System.Web.Script.Services.ScriptMethod()]

[System.Web.Services.WebMethod()]

public static string[] getinfo(string prefixText)

{

string[] s1 = { "ant", "apple", "bat", "ball", "cat", "cup", "can" };

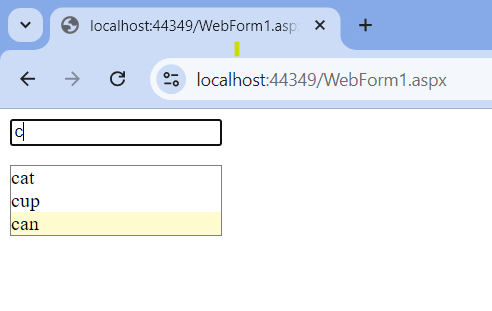
var a = from t in s1 where t.ToLower().StartsWith(prefixText) select t;

return a.ToArray();

}

}

}

****

**c. Create a web application to demonstrate Installation and use of NuGet package.**

**JsonDemo.aspx**

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

<!DOCTYPE html>

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

<head runat="server">

<title>JSON Demo with Newtonsoft.Json</title>

</head>

<body>

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

<div>

<h2>JSON Demo</h2>

<asp:Button ID="btnSerialize" runat="server" Text="Serialize Object" OnClick="btnSerialize\_Click" />

<asp:Label ID="lblResult" runat="server" Text="Result will be displayed here." />

</div>

</form>

</body>

</html>

**JsonDemo.aspx.cs**

using Newtonsoft.Json;

using System;

using System.Web.UI;

namespace JsonDemoApp

{

public partial class JsonDemo : Page

{

protected void btnSerialize\_Click(object sender, EventArgs e)

{

// Create a sample object

var person = new Person

{

Name = "sanjay",

Age = 20,

Email = "sanjay@example.com"

};

// Serialize the object to JSON

string jsonResult = JsonConvert.SerializeObject(person);

// Display the result in the label

lblResult.Text = jsonResult;

}

}

// Sample class to demonstrate serialization

public class Person

{

public string Name { get; set; }

public int Age { get; set; }

public string Email { get; set; }

}

}

**OUTPUT**

{"Name":"sanjay","Age":20,"Email":"sanjay@example.com"}