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**Student.xml:**

<?xmlversion="1.0"encoding="UTF-8"?>

<?xml-stylesheettype="text/css"href="StyleSheet.css"?>

<students>

<heading>Studentdatabase</heading>

<student>

<id>RollNo:00009</id>

<name>Name:SatyamGupta</name>

<Class>TY-Bsc</Class>

<division>A</division>

<Subject>InformationTechnology</Subject>

<Phone>8433508332</Phone>

<Address>JuhuKoliwada,HbGawdeMarg,SantacruzWestMum-49</Address>

</student>

<student>

<id>RollNo:00015</id>

<name>Name:NumanKhan</name>

<Class>TY-Bsc</Class>

<division>A</division>

<Subject>InformationTechnology</Subject>

<Phone>9667845120</Phone>

<Address>KharDanda,KharWest,Mum-52</Address>

</student>

<student>

<id>RollNo:00025</id>

<name>Name:SalmanKhan</name>

<Class>TY-Bsc</Class>

<division>A</division>

<Subject>ComputerScience</Subject>

<Phone>8433508332</Phone>

<Address>3, Galaxy Apartments, BJ Road Band Stand, Bandra West, Mumbai, Maharashtra –400050,India</Address>

</student>

<student>

<id>RollNo:00901</id>

<name>Name:SangamYadav</name>

<Class>SY-Bsc</Class>

<division>A</division>

<Subject>InformationTechnology</Subject>

<Phone>841623832</Phone>

<Address>JuhuKoliwada,HbGawdeMarg,SantacruzWestMum-49</Address>

</student>

<student>

<id>RollNo:001450</id>

<name>Name:RajuRastogi</name>

<Class>TY-Bsc</Class>

<division>A</division>

<Subject>InformationTechnology</Subject>

<Phone>8433508332</Phone>

<Address>MumbaiMaharashtra</Address></student></students>

**StyleSheet.css**

students

{

font-size:80%;

margin:0.5em;

font-family: Verdana;display:block;

}

student{display:block;

border: 1px solid silver;margin: 0.5em;padding:0.5em;

background-color:whitesmoke;

}

heading{display:block;

font-weight: bolder;text-align: center;font-size:30px;

background-color: green;color:white;

}

id {

font-family: 'Cascadia Code';font-size:30px;

font-weight:bold;

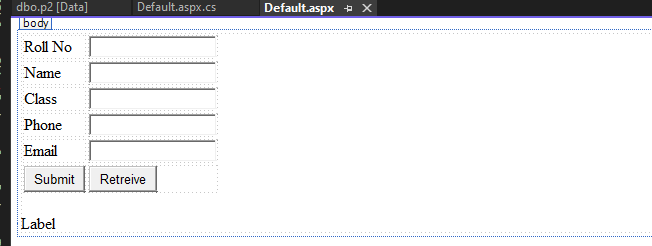
}

name, Class, division, Subject,Phone,Address {display:block

**}**

1. Create a simple web page containing the student details (Roll No, Name,Class,Phone,Email).WriteaprogramtostorethedatainthedatabaseandretrieveitusingData readerintabularformat.

**Codes:**



**Deafult.aspx**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

<table>

<tr><td>RollNo</td><td>

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

</td></tr>

<tr><td>Name</td><td>

<asp:TextBoxID="TextBox2"runat="server"></asp:TextBox>

</td></tr>

<tr><td>Class</td><td>

<asp:TextBoxID="TextBox3"runat="server"></asp:TextBox>

</td></tr>

<tr><td>Phone</td><td>

<asp:TextBoxID="TextBox4"runat="server"></asp:TextBox>

</td></tr>

<tr><td>Email</td><td>

<asp:TextBoxID="TextBox5"runat="server"></asp:TextBox>

</td></tr>

<tr><td>

<asp:ButtonID="Button1"runat="server"Text="Submit"OnClick="Button1\_Click"/>

</td><td>

<asp:ButtonID="Button2"runat="server"Text="Retreive"OnClick="Button2\_Click"/>

</td></tr>

</table>

</div>

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

</form>

</body>

</html>**Default.aspx.cs**using System;

usingSystem.Collections.Generic;

using System.Linq;using System.Web;usingSystem.Web.UI;

using System.Web.UI.WebControls;using System.Data.SqlClient;

usingSystem.Linq.Expressions;

publicpartialclass\_Default:System.Web.UI.Page

{

SqlConnectioncon =newSqlConnection("DataSource=(LocalDB)\\MSSQLLocalDB;AttachDbFilename=C:\\Users\\Admin\\OneDrive\\Documents\\"+

"Practical2.mdf;Integrated Security=True;Connect Timeout=30");protected voidPage\_Load(objectsender, EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

try{

stringInsertQuery= "insertintop2values("+TextBox1.Text+",'"+ TextBox2.Text+"','"+TextBox3.Text

+ "','" + TextBox4.Text + "','" + TextBox5.Text + "') ";SqlCommandcmd=newSqlCommand(InsertQuery, con);con.Open();

cmd.ExecuteNonQuery();//UseforinsertupdateanddeleteOnly(\*Required)

}

catch(ExceptionE)

{

Response.Write(E.Message);

}

finally

{

if(con.State==System.Data.ConnectionState.Closed)

{

}

else

{

con.Close();

}

}

}

protectedvoidButton2\_Click(objectsender,EventArgse)

{

try

{

stringSELECTQuery="Select\*fromp2";

SqlCommandcmd=newSqlCommand(SELECTQuery,con);con.Open();

SqlDataReadersdr=cmd.ExecuteReader();stringtbl="<table>";

if(sdr.HasRows)

{

while(sdr.Read())

{

tbl+="<tr><td>"+sdr[0]+"</td><td>"+sdr[1]+"</td><td>"+sdr[2]+"</td><td>"+sdr[4]

+"</td></tr>";

}

}

tbl+="</table>";

Label1.Text=tbl;

}

catch(ExceptionE)

{

Response.Write(E.Message);

}

finally

{

if(con.State==System.Data.ConnectionState.Closed)

{

}

else

{

con.Close();

}

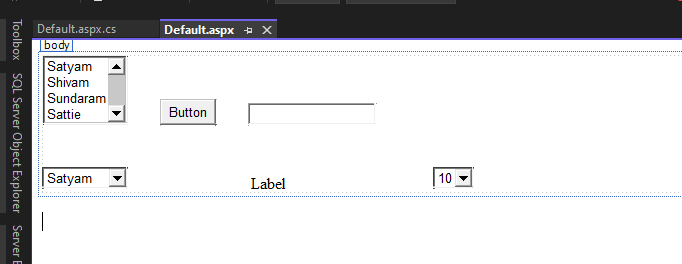
}

}

**}**

1. Createasimplewebpagewithvarioussevercontrolstodemonstratesettinganduseoftheir properties.(Example:AutoPostBack)
2. Onclick of a button control display the selected items from the listbox in atextbox. Also in the same webpage display the name of the selected item from theDropDownList1 in a label. Also change the font size of the same label accordingtothefontsizeselectedfromtheDropdownlist2.

**Design:**



**Default.aspx**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

<asp:ListBoxID="ListBox1"runat="server">

<asp:ListItem>Satyam</asp:ListItem>

<asp:ListItem>Shivam</asp:ListItem>

<asp:ListItem>Sundaram</asp:ListItem>

<asp:ListItem>Sattie</asp:ListItem>

<asp:ListItem>Sattu</asp:ListItem>

</asp:ListBox>

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

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

<br/>

<br/>

<br/>

<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"OnSelectedIndexChanged="DropDownList1\_SelectedIndexChanged">

<asp:ListItem>Satyam</asp:ListItem>

<asp:ListItem>Shivam</asp:ListItem>

<asp:ListItem>Sundaram</asp:ListItem>

<asp:ListItem>Sattie</asp:ListItem>

<asp:ListItem>Sattu</asp:ListItem>

</asp:DropDownList>

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

<asp:DropDownList ID="DropDownList2" runat="server" AutoPostBack="True"OnSelectedIndexChanged="DropDownList2\_SelectedIndexChanged">

<asp:ListItem>10</asp:ListItem>

<asp:ListItem>20</asp:ListItem>

<asp:ListItem>30</asp:ListItem>

<asp:ListItem>40</asp:ListItem>

<asp:ListItem>45</asp:ListItem>

</asp:DropDownList>

</div>

</form>

</body>

</html>Default.aspx.cs

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

TextBox1.Text=ListBox1.SelectedValue.ToString();

}

protectedvoidDropDownList1\_SelectedIndexChanged(objectsender,EventArgse)

{

Label1.Text=DropDownList1.SelectedValue.ToString();

}

protectedvoidDropDownList2\_SelectedIndexChanged(objectsender,EventArgse)

{

Label1.Font.Size=Convert.ToInt32(DropDownList2.SelectedValue);

}

}

1. playImagecontrolforphoto.

**Design:**



**Deafault.aspx**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<asp:Image ID="Image1" runat="server" Height="282px" ImageUrl="~/IMG-20220324-WA0008.jpg"Width="234px"/>

<br/>

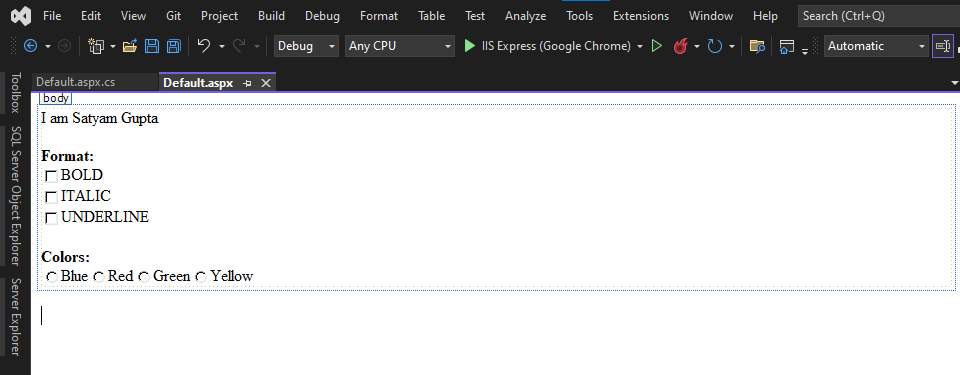
<strong>ImageControl</strong></div>

</form>

</body>

</html>

1. CheckBoxesprovidesspecialformatting(viz.underline, bold,italic)andRadio Buttons provides color for label. 4. Use of AutoPostBack property.Design:



**Defualt.aspx**

<%@ Page Language="C#" MaintainScrollPositionOnPostback ="true" AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

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

<br/>

<br/>

<strong>Format:</strong><br/>

<asp:CheckBox ID="CheckBox1" runat="server" AutoPostBack="True"OnCheckedChanged="CheckBox1\_CheckedChanged"Text="BOLD"/>

<br />

<asp:CheckBox ID="CheckBox3" runat="server" AutoPostBack="True"OnCheckedChanged="CheckBox3\_CheckedChanged"Text="ITALIC"/>

<br />

<asp:CheckBox ID="CheckBox2" runat="server" AutoPostBack="True"OnCheckedChanged="CheckBox2\_CheckedChanged"Text="UNDERLINE"/>

<strong>

<br/>

<br/>

Colors:</strong>

<br />

<asp:RadioButton ID="RadioButton1" runat="server" AutoPostBack="True" GroupName="Color"OnCheckedChanged="RadioButton1\_CheckedChanged"Text="Blue"/>

<asp:RadioButton ID="RadioButton2" runat="server" AutoPostBack="True" GroupName="Color"OnCheckedChanged="RadioButton2\_CheckedChanged"Text="Red"/>

<asp:RadioButton ID="RadioButton3" runat="server" AutoPostBack="True" GroupName="Color"OnCheckedChanged="RadioButton3\_CheckedChanged"Text="Green"/>

<asp:RadioButton ID="RadioButton4" runat="server" AutoPostBack="True" GroupName="Color"OnCheckedChanged="RadioButton4\_CheckedChanged"Text="Yellow"/>

</form>

</body>

</html>

**Default.aspx.cs**using System;

Using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidCheckBox1\_CheckedChanged(objectsender,EventArgse)

{

if(CheckBox1.Checked)

{

Label1.Font.Bold=true;

}

else

{

Label1.Font.Bold=false;

}

}

protectedvoidCheckBox3\_CheckedChanged(objectsender,EventArgse)

{

if(CheckBox3.Checked)

{

Label1.Font.Italic=true;

}

else

{

Label1.Font.Italic=false;

}

}

protectedvoidCheckBox2\_CheckedChanged(objectsender,EventArgse)

{

if(CheckBox2.Checked)

{

Label1.Font.Underline=true;

}

else

{Label1.Font.Underline= false;}

}

protectedvoidRadioButton1\_CheckedChanged(objectsender,EventArgse)

{

Label1.ForeColor=System.Drawing.Color.Blue;

}

protectedvoidRadioButton2\_CheckedChanged(objectsender,EventArgse)

{

Label1.ForeColor=System.Drawing.Color.Red;

}

protectedvoidRadioButton3\_CheckedChanged(objectsender,EventArgse)

{

Label1.ForeColor=System.Drawing.Color.Green;

}

protectedvoidRadioButton4\_CheckedChanged(objectsender,EventArgse)

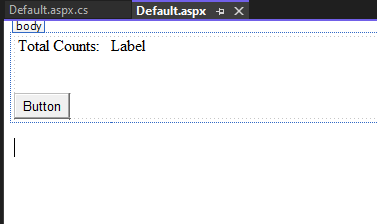
{

Label1.ForeColor=System.Drawing.Color.Yellow;

}}

1. Createasimplewebpagetocountthenumberoftimesthecurrentwebpage issubmittedtotheserver onclickeventofaButton.

**Design:**



**Default.aspx**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

&nbsp;TotalCounts:&nbsp;&nbsp;

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

<br/>

<br/>

<br/>

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

</div>

</form>

</body>

</html>**Default.aspx.cs**using System;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

//In thismethod onlythecountwillbedifferentin differenttabsofthesamewebpage

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

//Label1.Text=ViewState["a"].ToString();

Application["a"] = Convert.ToInt32(Application["a"]) + 1;Label1.Text=Application["a"].ToString();

}}

1. Createsimpleapplicationtoperformfollowingoperations
   1. FindingfactorialValue
   2. MoneyConversion
   3. Cubeofgivennumber
   4. GenerateFibonacciseries

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

.auto-style2 {color:#0099CC;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<h1><spanclass="auto-style2"><strong>CodeBySatyam09</strong></span></h1>

<br/>

<asp:TextBoxID="TextBox1"runat="server"Width="164px"></asp:TextBox>

<asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"OnSelectedIndexChanged="DropDownList1\_SelectedIndexChanged">

<asp:ListItemValue="1">Factorial</asp:ListItem>

<asp:ListItemValue="2">RStoUSD</asp:ListItem>

<asp:ListItemValue="3">Cube</asp:ListItem>

<asp:ListItemValue="4">Fibonacci</asp:ListItem>

</asp:DropDownList>

<br/>

<br/>

<br/>

<h2>

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

</h2>

</div>

</form>

</body>

</html>

**C# Code:**

usingSystem;

using System.Collections.Generic;usingSystem.Drawing;

using System.Linq;using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidDropDownList1\_SelectedIndexChanged(objectsender,EventArgse)

{

if(DropDownList1.SelectedValue=="1")

{

Label1.Text=Factorail(Convert.ToInt32(TextBox1.Text));

}

elseif(DropDownList1.SelectedValue=="2")

{

Label1.Text=Money(Convert.ToDouble(TextBox1.Text));

}

elseif(DropDownList1.SelectedValue=="3")

{

Label1.Text=Cube(Convert.ToInt32(TextBox1.Text));

}

elseif(DropDownList1.SelectedValue=="4")

{

Label1.Text=Fibonacci(Convert.ToInt32(TextBox1.Text));

}

}

publicstringFactorail(intnum)

{

intfact=1;

for(inti= 1;i< num;i++)

{

fact\*=i;

}

returnfact.ToString();

}

publicstringMoney(doublen)

{

double d = n / 82.31;returnd.ToString();

}

publicstringCube(doublen)

{

return(n\*n\*n).ToString();

}

publicstringFibonacci(intn)

{

int n1 = 0, n2 = 1;intn3;

stringfs ="";

fs=n1 +""+n2+"";

for(inti=2;i<n;++i)

{

n3 = n1 + n2;fs+=n3+"";n1 =n2;

n2 =n3;

}

returnfs;

}

}

1. DemonstratetheuseofCalendarcontroltoperformfollowingoperations.
2. Displaymessagesinacalendarcontrol
3. Displayvacationina calendar control
4. Selecteddayinacalendarcontrolusingstyle
5. Differencebetweentwocalendardates

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

.auto-style2{

text-align:center;

}

.auto-style3 {color:#339933;

text-decoration:underline;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style2">

<asp:Calendar ID="Calendar1" runat="server" BackColor="White" BorderColor="Black" Font-Names="Verdana" Font-Size="9pt" ForeColor="Black" Height="250px" OnDayRender="Calendar1\_DayRender"OnSelectionChanged="Calendar1\_SelectionChanged" Width="330px" BorderStyle="Solid" CellSpacing="1"CssClass="auto-style1"NextPrevFormat="ShortMonth">

<DayHeaderStyleFont-Bold="True"Height="8pt"Font-Size="8pt"ForeColor="#333333"/>

<DayStyleBackColor="#CCCCCC"/>

<NextPrevStyleFont-Size="8pt"ForeColor="White"Font-Bold="True"/>

<OtherMonthDayStyleForeColor="#999999"/>

<SelectedDayStyleBackColor="#333399"ForeColor="White"/>

<TitleStyle BackColor="#333399" Font-Bold="True" Font-Size="12pt" ForeColor="White"BorderStyle="Solid"Height="12pt"/>

<TodayDayStyleBackColor="#999999"ForeColor="White"/>

</asp:Calendar>

<asp:Calendar ID="Calendar2" runat="server" BackColor="White" BorderColor="White"BorderWidth="1px" Font-Names="Verdana" Font-Size="9pt" ForeColor="Black" Height="190px" Width="350px"NextPrevFormat="FullMonth">

<DayHeaderStyleFont-Bold="True"Font-Size="8pt"/>

<NextPrevStyleFont-Size="8pt"ForeColor="#333333"Font-Bold="True"VerticalAlign="Bottom"/>

<OtherMonthDayStyleForeColor="#999999"/>

<SelectedDayStyleBackColor="#333399"ForeColor="White"/>

<TitleStyle BackColor="White" BorderColor="Black" BorderWidth="4px" Font-Bold="True" Font-Size="12pt"ForeColor="#333399"/>

<TodayDayStyleBackColor="#CCCCCC"/>

</asp:Calendar>

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

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

<strong>

<brclass="auto-style3"/>

<h1><spanclass="auto-style3">Satyam09</span></h1>

</strong>

<br/>

<br/>

&nbsp;

</div>

</form>

</body>

</html>

**C# Code:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidCalendar1\_DayRender(objectsender,DayRenderEventArgse)

{

if(e.Day.Date.Year==2022&&e.Day.Date.Month ==10&&e.Day.Date.Day==5)

{

Label l1 = new Label();l1.Text="<br>ganpati";e.Cell.Controls.Add(l1);

}

if(e.Day.Date.Year==2022&&e.Day.Date.Month==10&& e.Day.Date.Day==15)

{

Labell1=newLabel();l1.Text="<br>TYITPrelims";e.Cell.Controls.Add(l1);

}

}

protectedvoidCalendar1\_SelectionChanged(objectsender,EventArgse)

{

Calendar1.SelectedDayStyle.BackColor =System.Drawing.Color.Red;

Calendar1.SelectedDayStyle.ForeColor=System.Drawing.Color.Yellow;

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

TimeSpan ts = Calendar1.SelectedDate - Calendar2.SelectedDate;Label1.Text=ts.TotalDays.ToString();

}

}

1. Create Web Form to demonstrate use of User Control. Create footernamed user control having copyright reserved (ex. “©company name”) anduseitinawebpage.

**footer.ascx**

<%@ControlLanguage="C#"AutoEventWireup="true"CodeFile="Footer.ascx.cs"Inherits="Footer"%>

<div style="font-family: 'Arial Black'; font-size: xx-large; font-weight: 200; font-style: normal; font-variant: small-caps; text-transform: uppercase; color: #FF0000; line-height: inherit; vertical-align: middle; text-align: justify; text-indent: inherit; white-space: pre; word-spacing: inherit; letter-spacing: inherit; background-color: #00FFFF;background-image: inherit; background-repeat: repeat-x; background-attachment: scroll; background-position: centercenter; border: thick double #008000; padding: inherit; margin: inherit; position: fixed; z-index: inherit; width: inherit;height: inherit; visibility: visible; display: table-column; float: none; clear: both; cursor: move; table-layout: fixed">@CopyrightSatyam.com

</div>

**Default.aspx:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<%@Registersrc="Footer.ascx"tagname="Footer"tagprefix="uc1"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align: center;color:#3366FF;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<h1><strong>SatyamGupta</strong></h1>

</div>

<uc1:FooterID="Footer1"runat="server"/>

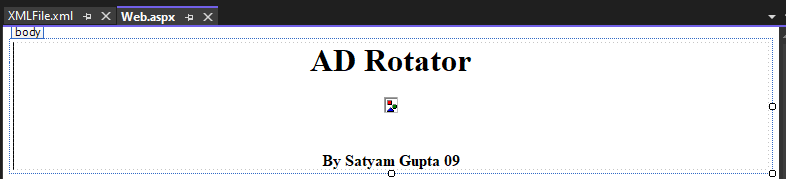
</form>

</body>

</html>

1. CreateWebFormtodemonstrateuseofAdrotatorControlwithfiveadvertisements.Alsodemonstratehowkeywordfilter works.

**Design:**



**Code:**

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<h1style="text-align:center">ADRotator</h1>

<h4>

<asp:AdRotatorAdvertisementFile="~/XMLFile.xml"ID="AdRotator1"runat="server"Target="\_blank"/>

<br/>

<br/>

<br/>

BySatyamGupta09</h4>

</div>

</form>

</body>

**Web.xml**

<?xmlversion="1.0"encoding="utf-8"?>

<Advertisements>

<Ad>

</Ad>

<Ad>

</Ad>

<ImageUrl>~/Pic/TMKOC.jpg</ImageUrl>

<Height>300px</Height>

<Width>550px</Width>

<NavigateUrl>https://[www.youtube.com/c/TaarakMehtaKaOoltahChashmah<](http://www.youtube.com/c/TaarakMehtaKaOoltahChashmah)/NavigateUrl>

<AlternateText>

TarakMehta kaOolta Chashma

</AlternateText>

<Impressions>20</Impressions>

<Keyword>FamilyShow</Keyword>

<ImageUrl>~/Pic/the-kapil-sharma-show.jpg</ImageUrl>

<Height>300px</Height>

<Width>550px</Width>

<NavigateUrl>https://[www.youtube.com/c/KapilSharmaK9](http://www.youtube.com/c/KapilSharmaK9)</NavigateUrl>

<AlternateText>Watchtheshow</AlternateText>

<Impressions>15</Impressions>

<Keyword>ComedyShow</Keyword>

</Advertisements>

1. Create XML file employees with nodes (eid, ename, edept, salary). Bindtheeidandenametoadropdownlistandtheenameshouldbein theascendingorder.

**SourceCode:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<asp:DropDownListID="DropDownList1"runat="server">

</asp:DropDownList>

<br/>

<br/>

RollNo:09

</div>

</form>

</body>

</html>

**CsCode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

using System.Web.UI.WebControls;using System.Data;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

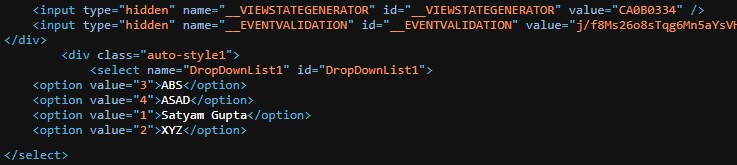
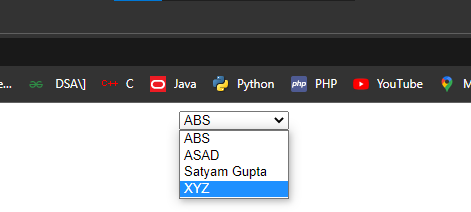
{

DataSet ds = new DataSet();ds.ReadXml("C:\\Users\\Admin\\source\\repos\\P9\\P9\\XMLFile.xml");ds.Tables[0].DefaultView.Sort = "ename";// For Ascending OrderDropDownList1.DataSource=ds.Tables[0];DropDownList1.DataTextField = "ename";DropDownList1.DataValueField = "eid";DropDownList1.DataBind();

}

**}**

**Output:**



1. Createsimplewebpagethattakesanumberasinputanddisplayitfourtimes in a row (separated by blank spaces), and then four times in the nextrow,with noseparation.Like-

Enteradigit:22ExpectedOutput:

**2222 22 22**

22222222

**2222 22 22**

22222222

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="Default2"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

Enteradigit:&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

<asp:TextBox ID="TextBox1" runat="server" AutoPostBack="True"OnTextChanged="TextBox1\_TextChanged"></asp:TextBox>

<br/>

<br/>

<br/>

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

</div>

</form>

<p>

@SatyamGupta09</p>

</body>

</html>

**CScodes:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault2 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidTextBox1\_TextChanged(objectsender,EventArgse)

{

Label1.Text="";

intnumber=Convert.ToInt32(TextBox1.Text);for(inti=0;i<4;++i)

{

if(i%2 ==0)

{

for(intj=0;j<4;++j)

{

Label1.Text+=number.ToString();

}

Label1.Text += "<br>";if(i%2==0)

{

for(intj=0;j<4;++j)

{

Label1.Text+=number.ToString()+"";

}

Label1.Text+="<br>";

}

}

}

}

}

1. Create a simple web page to display the Date properties (year, month,day,hour,minute,second,millisecondetc.)aswellastodisplaythenumberofdaysoftheyearbetweentwospecifiedyears.

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default3.aspx.cs"Inherits="Default3"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

font-size:xx-large;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<div class="auto-style1">SatyamGupta09<br/>

<br/>

<br/>

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

<br/>

<br/>

NumberofDays:

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

</div>

</form>

</body>

</html>

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault3 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

DateTime date = DateTime.Now;Response.Write(date+"<br>");Response.Write(date.Year+"<br>");Response.Write(date.Month+"<br>");Response.Write(date.Day+"<br>");Response.Write(date.Hour+"<br>");Response.Write(date.Minute+ "<br>");Response.Write(date.Second+ "<br>");Response.Write(date.Millisecond+"<br>");

DateTimedt1=newDateTime(2002,05,02);

DateTimedt2= newDateTime(2022,10,16);

TimeSpants=dt2-dt1;

Label1.Text=ts.TotalDays.ToString();

}

**}**

1. Create a web page containing the student details (RollNo, Name, Class,Phone,Email)andshowresultusingDatabindinganddropdownlistcontrol.

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1 {width:100%;

}

.auto-style2{

text-align: justify;color:#660066;

}

.auto-style3{

text-align:center;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<div>

<tableclass="auto-style1">

<tr>

<td>

<h1class="auto-style2">SatyamGupta&nbsp;&nbsp;09</h1>

<pclass="auto-style2">&nbsp;</p>

<pclass="auto-style2">&nbsp;</p>

</td>

</tr>

<tr>

<td>

<asp:DropDownListID="DropDownList1"runat="server"CssClass="auto-style3">

</asp:DropDownList>

</td>

</tr>

</table>

</div>

</form>

</body>

</html>

**CScode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

using System.Web.UI.WebControls;using System.Data;

usingSystem.Activities.Expressions;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

if(!this.IsPostBack)

{

List<string> list = new List<string>();list.Add("09");

list.Add("Satyam Gupta");list.Add("TYIT");list.Add("8433508332");

list.Add("[Sg80412111@gmail.com](mailto:Sg80412111@gmail.com)");

DropDownList1.DataSource = list;DropDownList1.DataBind();

}

}

**}**

1. Createasimplewebpagetodemonstrateallstringoperations.

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

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

<br/>

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

</div>

</form>

</body>

</html>

**CSCode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

string st = TextBox1.Text;Response.Write(st.ToUpper() + "<br>");Response.Write(st.ToLower() + "<br>");Response.Write(st.Substring(0, 5) + "<br>");Response.Write(st.StartsWith("Sat") +"<br>");Response.Write(st.IndexOf("yam") + "<br>");Response.Write(st.Insert(1,"x")+"<br>");

}

}

1. Designanasp.netwebpagewith2groupsofRadioButtons,DropDownList,labelandTextBoxtoperformthefollowingoperations:-Onclick of Radio Buttons each at the same time from two different groups,change the font- size and font-face of the label’s Text. Also on the samewebpage show that, on selecting a country name from the dropdown list, itsrespectivecountry codegetsdisplayed in a textbox

**Design:**

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

.auto-style2{}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<h1>SatyamGupta09</h1>

<p>

<asp:RadioButton ID="RadioButton1" runat="server" GroupName="Font-Size"OnCheckedChanged="RadioButton1\_CheckedChanged"Text="Bahnschrift"/>

&nbsp;<asp:RadioButton ID="RadioButton2" runat="server" GroupName="Font-Size" Text="Cambria Math" />&nbsp;<asp:RadioButtonID="RadioButton3"runat="server"GroupName="Font-Size"Text="Symbol"/>

</p>

<p>

<asp:RadioButton ID="RadioButton4" runat="server" GroupName="Font-Face"OnCheckedChanged="fontchanged"Text="10"/>

<asp:RadioButton ID="RadioButton5" runat="server" GroupName="Font-Face"OnCheckedChanged="fontchanged"Text="20"/>

<asp:RadioButton ID="RadioButton6" runat="server" GroupName="Font-Face"OnCheckedChanged="fontchanged"Text="30"/>

</p>

<p>

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

</p>

<p>

<asp:DropDownList ID="DropDownList1" runat="server" CssClass="auto-style2" Height="26px"Width="91px"AutoPostBack="True"OnSelectedIndexChanged="DropDownList1\_SelectedIndexChanged">

<asp:ListItem>India</asp:ListItem>

<asp:ListItem>Nepal</asp:ListItem>

<asp:ListItem>Pakistan</asp:ListItem>

<asp:ListItem>SaudiaArbia</asp:ListItem>

</asp:DropDownList>

&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;

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

</p>

<p>

&nbsp;</p>

</div>

</form>

</body>

</html>

**Cscode:**

usingSystem;

using System.Collections.Generic;usingSystem.Drawing;

using System.Linq;using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protected voidRadioButton1\_CheckedChanged(objectsender, EventArgse)

{

Label1.Font.Name=((RadioButton)sender).Text;

}

protectedvoid fontchanged(objectsender,EventArgse)

{

Label1.Font.Size=Convert.ToInt32(((RadioButton)sender).Text);

}

protectedvoidDropDownList1\_SelectedIndexChanged(objectsender,EventArgse)

{

if(DropDownList1.SelectedValue=="India")

{

TextBox1.Text="+91";

} }}

Create a delegate del1. Create display1() and display2() static methods.Create a simple application to call these two methods by the through thedelegate.

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="Default2"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

</div>

</form>

</body>

</html>

**cscode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault2 :System.Web.UI.Page

{

delegatestringdel();

protectedvoidPage\_Load(objectsender,EventArgse)

{

deld1=newdel(display1);deld2=newdel(display2);Response.Write(d1());Response.Write(d2());

}

publicstaticstringdisplay1()

{

return"display1";

}

publicstaticstringdisplay2()

{

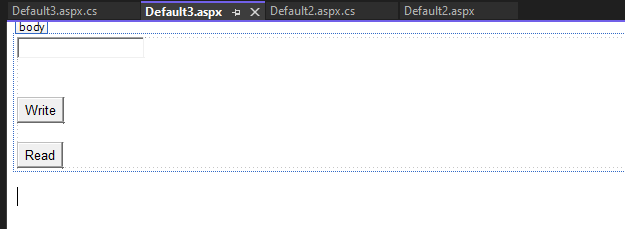
return"display2";

}

**}**

Createasimplewebpagetoshowhowtowriteandreadacookiefromaclient'scomputer.

**Design:**



**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default3.aspx.cs"Inherits="Default3"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

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

<br/>

<br/>

<br/>

<asp:ButtonID="Button1"runat="server"OnClick="Button1\_Click"Text="Write"/>

<br/>

<br/>

<asp:ButtonID="Button2"runat="server"OnClick="Button2\_Click"Text="Read"/>

</div>

</form>

</body>

</html>

**CsCode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault3 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

HttpCookiecook1=newHttpCookie("user1",TextBox1.Text);

Response.Cookies.Add(cook1);

}

protectedvoidButton2\_Click(objectsender,EventArgse)

{

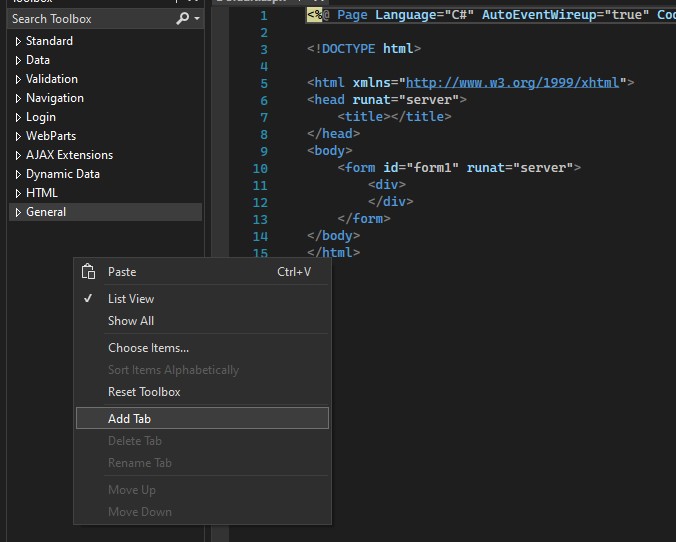
TextBox1.Text=Response.Cookies["user1"].Value;

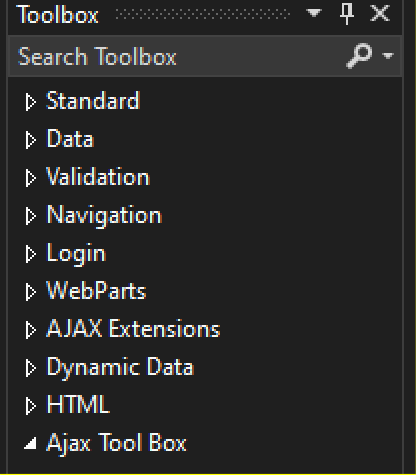
}

**}**

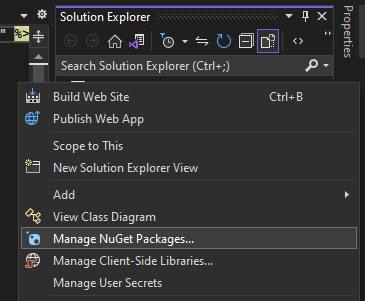
CreateawebapplicationtodemonstrateuseofHtmlEditorExtenderAjaxcontrol.

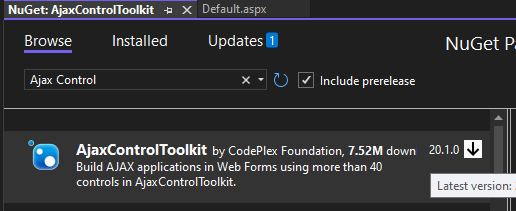
1. **RightClickOnToolbox****AddNewTab**



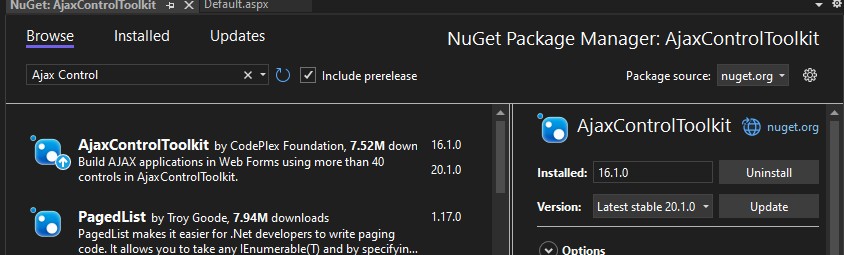


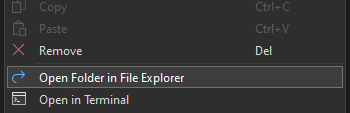
1. **RightClickonSolutionExplorer****ManageNuGetPackages..**





**InstallVersion:16.0.1**

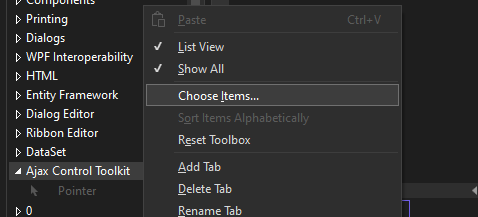


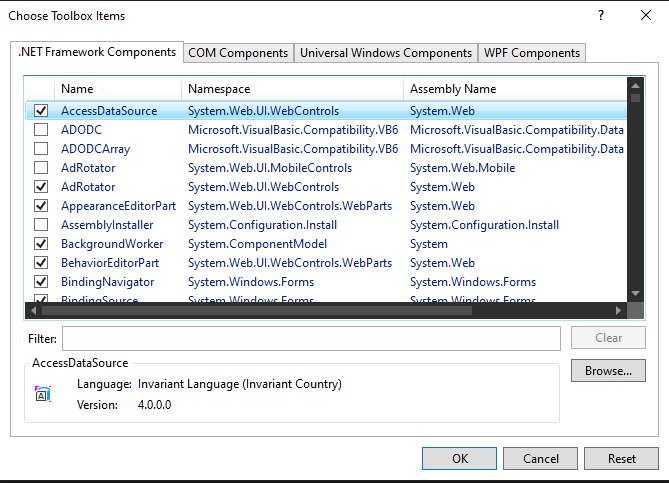
1. **Right ClickonSolution Explores****OpenfolderinFileExplorer**

**CopytheFollowingDirectory:**

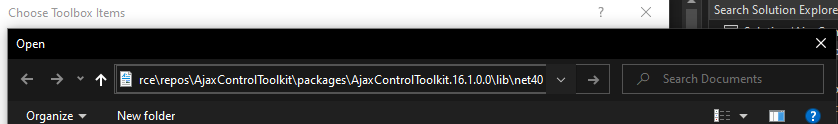
**C:\Users\Admin\source\repos\AjaxControlToolkit\packages\AjaxControlToolkit.16.1.0.0\lib\net40**

**4****Again RightClickonAjaxControlToolkit****ChooseItems**

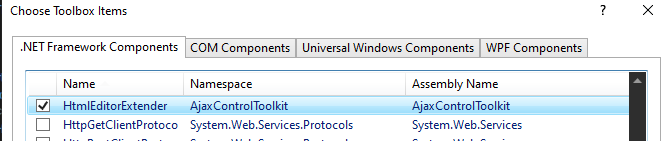




**PastethatDirectory**



YouWillFind**HtmlEditorExtender**



**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<div>

<h1class="auto-style1">CodeBySatyam09</h1>

</div>

<asp:TextBox ID="TextBox1" runat="server" Height="228px" TextMode="MultiLine"Width="513px"></asp:TextBox>

<ajaxToolkit:HtmlEditorExtender EnableSanitization="false" ID="TextBox1\_HtmlEditorExtender"runat="server"BehaviorID="TextBox1\_HtmlEditorExtender"TargetControlID="TextBox1">

</ajaxToolkit:HtmlEditorExtender>

<asp:ScriptManagerID="ScriptManager1"runat="server">

</asp:ScriptManager>

<br/>

</form>

</body>

</html>

CreateawebapplicationtodemonstrateuseofMasterPagewithapplying StylesandThemesforpagebeautification.

MasterPage:

<%@MasterLanguage="C#"AutoEventWireup="true"CodeFile="MasterPage2.master.cs"Inherits="MasterPage2"

%>

<!DOCTYPEhtml>

<html>

<headrunat="server">

<title></title>

<asp:ContentPlaceHolderid="head"runat="server">

</asp:ContentPlaceHolder>

</head>

<body>

<formid="form1"runat="server">

<div class ="head">head

</div>

<asp:ContentPlaceHolderid="ContentPlaceHolder1"runat="server">

</asp:ContentPlaceHolder>

<div class ="foot">foot

</div>

</form>

</body>

</html>

Style:

body{

background-color:green;

}

.head{

border: thick solid #ff6a00;height:200px;

background-color:aqua

}

.foot{

border: thick solid yellow;height:200px;

}

Default.aspx:

<%@PageTitle=""EnableTheming="true"Theme="green"Language="C#"MasterPageFile="~/MasterPage2.master"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="Default2"

%>

<asp:ContentID="Content1"ContentPlaceHolderID="head"Runat="Server">

</asp:Content>

<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">Numan

MufiArfat

FarazSatyamHussainAyaan

</asp:Content>

CreateawebapplicationtodemonstrateFormSecurityandWindowsSecuritywithproperAuthenticationandAuthorizationproperties.

**Code:**

**AdminHome.aspx-**

**<%@Page Language="C#"AutoEventWireup="true"CodeFile="AdminHome.aspx.cs"Inherits="Admin\_AdminHome"%>**

**<!DOCTYPEhtmlPUBLIC"-//W3C//DTDXHTML1.0Transitional//EN""**[**http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd**](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)**">**

**<htmlxmlns="**[**http://www.w3.org/1999/xhtml**](http://www.w3.org/1999/xhtml)**">**

**<headrunat="server">**

**<title></title>**

**</head>**

**<body>**

**<formid="form1"runat="server">**

**<div>**

**<h1>ThisisAdminPage</h1>**

**</div>**

**</form>**

**</body>**

**</html>**

**StaffHome.aspx-**

**<%@ Page Language="C#" AutoEventWireup="true" CodeFile="StaffHome.aspx.cs"Inherits="StaffHome"%>**

**<!DOCTYPEhtmlPUBLIC"-//W3C//DTDXHTML1.0Transitional//EN""**[**http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd**](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)**">**

**<htmlxmlns="**[**http://www.w3.org/1999/xhtml**](http://www.w3.org/1999/xhtml)**">**

**<headrunat="server">**

**<title></title>**

**</head>**

**<body>**

**<formid="form1"runat="server">**

**<div>**

**<h1>ThisisStaffPage</h1>**

**</div>**

**</form>**

**</body>**

**</html>**

**StudentHome.aspx-**

**<%@Page Language="C#"AutoEventWireup="true"CodeFile="StudentHome.aspx.cs"Inherits="StudentHome"%>**

**<!DOCTYPEhtmlPUBLIC"-//W3C//DTDXHTML1.0Transitional//EN""**[**http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd**](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)**">**

**<htmlxmlns="**[**http://www.w3.org/1999/xhtml**](http://www.w3.org/1999/xhtml)**">**

**<headrunat="server">**

**<title></title>**

**</head>**

**<body>**

**<formid="form1"runat="server">**

**<div>**

**<h1>Thisisstudetnpage</h1>**

**</div>**

**</form>**

**</body>**

**</html>**

**login.aspx-**

**<%@ Page Language="C#" AutoEventWireup="true" CodeFile="login.aspx.cs"Inherits="login"%>**

**<!DOCTYPEhtmlPUBLIC"-//W3C//DTDXHTML1.0Transitional//EN""**[**http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd**](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)**">**

**<htmlxmlns="**[**http://www.w3.org/1999/xhtml**](http://www.w3.org/1999/xhtml)**">**

**<headrunat="server">**

**<title></title>**

**</head>**

**<body>**

**<formid="form1"runat="server">**

**<div>**

**<asp:LoginID="Login1"runat="server">**

**</asp:Login>**

**</div>**

**</form>**

**</body>**

**</html>**

**Home.aspx-**

**<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Home.aspx.cs"Inherits="Home"%>**

**<!DOCTYPEhtmlPUBLIC"-//W3C//DTDXHTML1.0Transitional//EN""**[**http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd**](http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd)**">**

**<htmlxmlns="**[**http://www.w3.org/1999/xhtml**](http://www.w3.org/1999/xhtml)**">**

**<headid="Head1"runat="server">**

**<title></title>**

**</head>**

**<body>**

**<formid="form1"runat="server">**

**<div>**

**<asp:HyperLink ID="HyperLink1" runat="server" Font-Size="Large"NavigateUrl="~/Admin/AdminHome.aspx">Admin</asp:HyperLink>**

**<br/>**

**<br/>**

**<asp:HyperLinkID="HyperLink2"runat="server"Font-Size="Large"NavigateUrl="~/Staff/StaffHome.aspx">Staff</asp:HyperLink>**

**<br/>**

**<br/>**

**<asp:HyperLink ID="HyperLink3" runat="server" Font-Size="Large"NavigateUrl="~/Student/StudentHome.aspx">Student</asp:HyperLink>**

**</div>**

**</form>**

**</body>**

**</html>**

CreateawebapplicationtodemonstrateGridViewpagingandCreatingown tableformatusingGrid View.

**Grid View:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

<asp:DetailsViewID="DetailsView1"runat="server"Height="50px"Width="125px">

</asp:DetailsView>

<br/>

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

<br/>

<br/>

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

<Columns>

<asp:CommandFieldShowDeleteButton="True"ShowEditButton="True"ShowSelectButton="True"/>

<asp:BoundFieldDataField="RollNo"HeaderText="RollNo"ReadOnly="True"SortExpression="Roll

No" />Name"/>

<asp:BoundFieldDataField="StudentName"HeaderText="StudentName"SortExpression="Student

<asp:BoundFieldDataField="Address"HeaderText="Address"SortExpression="Address"/>

</Columns>

</asp:GridView>

<br/>

<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$ConnectionStrings:DatabaseConnectionString%>"DeleteCommand="DELETEFROM[Student]WHERE[RollNo]

= @Roll\_No" InsertCommand="INSERT INTO [Student] ([Roll No], [Student Name], [Address]) VALUES(@Roll\_No, @Student\_Name, @Address)" SelectCommand="SELECT \* FROM [Student]"UpdateCommand="UPDATE [Student] SET [Student Name] = @Student\_Name, [Address] = @Address WHERE[RollNo]=@Roll\_No">

<DeleteParameters>

<asp:ParameterName="Roll\_No"Type="Int32"/>

</DeleteParameters>

<InsertParameters>

<asp:ParameterName="Roll\_No"Type="Int32"/>

<asp:ParameterName="Student\_Name"Type="String"/>

<asp:ParameterName="Address"Type="String"/>

</InsertParameters>

<UpdateParameters>

<asp:ParameterName="Student\_Name"Type="String"/>

<asp:ParameterName="Address"Type="String"/>

<asp:ParameterName="Roll\_No"Type="Int32"/>

</UpdateParameters>

</asp:SqlDataSource>

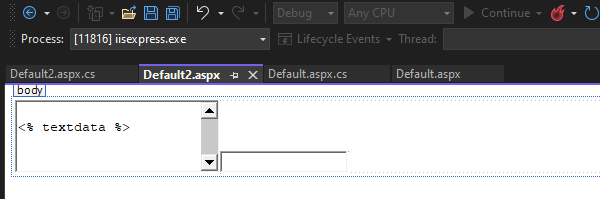
</div>

</form>

</body></html>

Createawebapplicationtobinddatainamultilinetextboxbyqueryinginanothertextbox.

**Design:**



**Code:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="Default2"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

<asp:TextBox ID="TextBox2" Text="<%textdata %>" runat="server" TextMode="MultiLine"Height="67px"Width="199px">&lt;%textdata %&gt;</asp:TextBox>

<asp:TextBox ID="TextBox3" runat="server" AutoPostBack="True"OnTextChanged="TextBox3\_TextChanged"></asp:TextBox>

</div>

</form>

</body>

</html>

**Cscode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault2 :System.Web.UI.Page

{

publicstringtextdata;

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidTextBox3\_TextChanged(objectsender,EventArgse)

{

textdata=TextBox3.Text;this.DataBind();

}

**}**

1. WriteaprogramtocreateaDLLtoprintafactorialofanumber.

**Design:**



**ClassLibrary:**

namespaceClassLibrary1

{

publicclassClass1

{

publicstringfact(intn)

{

int d=1;

for(inti=1;i<=n;i++)

{

d\*=i;

}

returnd.ToString();

}

}

**}**

**Source:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

.auto-style2 {color:#0099CC;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<h3><spanclass="auto-style2">SatyamGuptaTYIT</span><brclass="auto-style2"/>

</h3>

<p>

&nbsp;</p>

</div>

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

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

<asp:TextBoxID="TextBox2"runat="server"></asp:TextBox>

</form>

</body>

</html>

**CS:**

usingSystem;

usingSystem.Collections.Generic;

using System.Linq;using System.Web;usingSystem.Web.UI;

using System.Web.UI.WebControls;usingClassLibrary1;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

Class1c=new Class1();

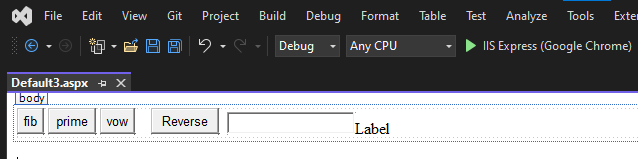
TextBox2.Text=c.fact(Convert.ToInt32(TextBox1.Text));

}

**}**

1. WriteanApplicationto:
2. GenerateFibonacciseries
3. **Testforprimenumbers**
4. Testforvowels
5. **Reverseanumber**

**Design:**



**Code:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default3.aspx.cs"Inherits="Default3"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

<asp:ButtonID="Button1"runat="server"OnClick="Button1\_Click"Text="fib"/>

&nbsp;<asp:Button ID="Button3" runat="server" OnClick="Button3\_Click" style="width: 48px" Text="prime" />&nbsp;<asp:Button ID="Button4" runat="server" OnClick="Button4\_Click" style="width: 35px" Text="vow" />&nbsp;&nbsp;&nbsp;

<asp:ButtonID="Button5"runat="server"OnClick="Button5\_Click"Text="Reverse"/>

&nbsp;

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

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

</div>

</form>

</body>

</html>

**Code:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault3 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

Label1.Text=fib(Convert.ToInt32(TextBox1.Text));

}

publicstringfib(intlimit)

{

int x = 0;int y = 1;intz;

string st=x+","+y+",";for(inti=0;i<10;i++)

{

z=x+y;x=y;

y=z;

if(z> limit)

{

break;

}

st+=z+",";

}

returnst;

}

publicstringprime(int num)

{

for(inti=2;i<num;i++)

{

if(num % i==0)

{

return"Yes";

}

}

return"No";

}

publicstringvow(stringc)

{

if("aeiou".Contains(c))

{

return"vow";

}

else

{

return"Novowel";

}

}

protectedvoidButton3\_Click(objectsender,EventArgse)

{

Label1.Text=prime(Convert.ToInt32(TextBox1.Text));

}

protectedvoidButton4\_Click(objectsender,EventArgse)

{

Label1.Text=vow(TextBox1.Text);

}

protectedvoidButton5\_Click(objectsender,EventArgse)

{

Label1.Text="";

for(inti= TextBox1.Text.Length -1;i>-1;i--)

{

Label1.Text+=TextBox1.Text[i];

}

}

}

1. CreateasimplewebpagetodemonstrateuseofbuiltinDivideByZeroException and IndexOutOfRangeException exceptions usingtextboxand labelcontrol.

Default.aspx:

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="Default2"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

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

</div>

</form>

</body>

</html>

Code:

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault2 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

try

{

string[] arr = new string[3];arr[0]="a";

arr[1]="b";

arr[2]="c";

int a = 10;int b = 20;intc= a /b;

}

catch(IndexOutOfRangeExceptionior)

{

Response.Write(ior.ToString());

}

catch(DivideByZeroExceptiondbz)

{

Response.Write(dbz.ToString());

}

}

}

1. Create a simple web page to show data in Tree view control and datalistusingweb.Sitemapfile containingnavigationinformation.

**Design:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default3.aspx.cs"Inherits="Default3"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

<asp:TreeViewID="TreeView1"runat="server"DataSourceID="SiteMapDataSource1">

</asp:TreeView>

<asp:SiteMapDataSource ID="SiteMapDataSource1" runat="server" />@SatyamGupta

</div>

</form>

</body>

</html>

Sitemap:

<?xmlversion="1.0"encoding="utf-8"?>

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

<siteMapNodeurl="Numan.com"title=""description="Numan">

<siteMapNodeurl="yahoomail.com"title="yahoomail"description="mail">

<siteMapNodeurl="sportsnews1.com"title="sports1"description="sports"/>

</siteMapNode>

<siteMapNodeurl="yahoonews.com"title="yahoonews"description="news">

<siteMapNodeurl="sportsnews.com"title="sports"description="sports"/>

<siteMapNodeurl="gloabalnews.com"title="global"description="gloabal"/>

</siteMapNode>

</siteMapNode>

</siteMap>

1. Displaytheno.ofvisitorsonagivenwebpage.

**Default.aspx:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default4.aspx.cs"Inherits="Default4"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

</div>

</form>

</body>

</html>

**Code:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault4 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

Response.Write(Application["usercount"].ToString());

}

}

**Global.asax:**

<%@Application Language="C#"%>

<scriptrunat="server">

voidApplication\_Start(objectsender,EventArgse)

{

//Codethatrunson applicationstartup

}

voidApplication\_End(objectsender,EventArgse)

{

//Codethatrunson applicationshutdown

}

voidApplication\_Error(objectsender,EventArgse)

{

//Codethatrunswhenanunhandlederroroccurs

}

voidSession\_Start(objectsender,EventArgse)

{

Application.Lock();

Application["usercount"]=Convert.ToInt32(Application["usercount"])+1;

Application.UnLock();

}

voidSession\_End(objectsender,EventArgse)

{

}

</scrip>

27. Create a registration form having text fields for accepting, Name, Age,Email, Address and Mobile number. Perform the following validations forthesame:

1. Allfieldsneedtobefilledcompulsorily
2. **Nameshouldcontainonlyalphabetsandshouldnotbemorethan25characterslong**
3. Validateemailandmobilenumberappropriately
4. **Ageshouldbebetween18and32only.**

Include submit and cancel buttons. On click of submit button, open a new pageanddisplayalltheinformationenteredbytheuserandonclickofcancelbutton,all textfieldsshouldbecleared.

**Design:**

**Default.aspx:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default.aspx.cs"Inherits="\_Default"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align: center;color: #006600;font-size:large;

}

.auto-style2 {width:85px;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<div>

<tablestyle="width:100%;">

<tr>

<tdclass="auto-style1"colspan="3"><strong>Registration</strong></td>

</tr>

<tr>

<tdclass="auto-style2">NAME:</td>

<td>

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

<asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"ControlToValidate="TextBox1" Display="Dynamic" ErrorMessage="\*"ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"ControlToValidate="TextBox1" Display="Dynamic" ErrorMessage="Only Aphabets and not more than 25Characters"ForeColor="Red"ValidationExpression="[a-zA-Z]{5,25}"></asp:RegularExpressionValidator>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<tdclass="auto-style2">AGE:</td>

<td>

<asp:TextBoxID="TextBox2"runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"ControlToValidate="TextBox2" Display="Dynamic" ErrorMessage="\*"ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="TextBox2"Display="Dynamic" ErrorMessage="18 to 32 Only" ForeColor="Red" MaximumValue="32" MinimumValue="18"Type="Integer"></asp:RangeValidator>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<tdclass="auto-style2">EMAIL:</td>

<td>

<asp:TextBoxID="TextBox3"runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"ControlToValidate="TextBox3" Display="Dynamic" ErrorMessage="\*"ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidator2" runat="server"ControlToValidate="TextBox3" Display="Dynamic" ErrorMessage="Invalid Email" ForeColor="Red"ValidationExpression="\w+([-+.']\w+)\*@\w+([-.]\w+)\*\.\w+([-.]\w+)\*"></asp:RegularExpressionValidator>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<tdclass="auto-style2">ADDRESS:</td>

<td>

<asp:TextBoxID="TextBox4"runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"ControlToValidate="TextBox4" Display="Dynamic" ErrorMessage="\*"ForeColor="Red"></asp:RequiredFieldValidator>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<tdclass="auto-style2">PHONE:</td>

<td>

<asp:TextBoxID="TextBox5"runat="server"></asp:TextBox>

<asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"ControlToValidate="TextBox5" Display="Dynamic" ErrorMessage="\*"ForeColor="Red"></asp:RequiredFieldValidator>

<asp:RegularExpressionValidator ID="RegularExpressionValidator3" runat="server"ControlToValidate="TextBox5" Display="Dynamic" ErrorMessage="Invalid Phone" ForeColor="Red"ValidationExpression="\d{10}"></asp:RegularExpressionValidator>

</td>

<td>&nbsp;</td>

</tr>

<tr>

<tdclass="auto-style2">&nbsp;</td>

<td>

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="SUBMIT" />&nbsp;&nbsp;&nbsp;

<asp:ButtonID="Button2"runat="server"OnClick="Button2\_Click"Text="CLEAR"/>

</td>

<td>&nbsp;</td>

</tr>

</table>

</div>

</form>

</body>

</html>

**Default.aspx.cs:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclass\_Default:System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

Response.Redirect("Default2.aspx?na="+TextBox1.Text+"&ag="+TextBox2.Text+"&em="+TextBox3.Text+"&ad="

+TextBox4.Text

+"&Ph="+TextBox5.Text+"");

}

protectedvoidButton2\_Click(objectsender,EventArgse)

{

TextBox1.Text = "";TextBox2.Text = "";TextBox3.Text = "";TextBox4.Text = "";TextBox5.Text="";

}

**}**

**Default2.aspx:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default2.aspx.cs"Inherits="Default2"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

</head>

<body>

<formid="form1"runat="server">

<div>

</div>

</form>

</body>

</html>

**Default2.aspx.cs**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault2 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

Response.Write(Request.QueryString["na"]+"<br>");Response.Write(Request.QueryString["ag"]+"<br>");Response.Write(Request.QueryString["em"]+"<br>");Response.Write(Request.QueryString["ad"]+"<br>");Response.Write(Request.QueryString["Ph"]+"<br>");

}

}

1. Createawebpagewithmultilinetextboxandtwobuttons,viz.saveContents and loadContents. On click of saveContents button, contentsfromthetextboxshouldberetainedandonclickofloadContentsbutton,thepreviouslysavedcontentsshouldbe displayedbackonthe textbox.

**Design:**

Codes:

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default6.aspx.cs"Inherits="Default6"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<styletype="text/css">

.auto-style1{

text-align:center;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<divclass="auto-style1">

<h1>

<asp:TextBox ID="TextBox2" runat="server" CssClass="auto-style1" Height="129px"TextMode="MultiLine"Width="239px"></asp:TextBox>

<asp:ButtonID="Button1"runat="server"OnClick="Button1\_Click"Text="SaveContent"/>

&nbsp;

<asp:ButtonID="Button2"runat="server"OnClick="Button2\_Click"Text="LoadContent"/>

<br/>

SatyamGupta</h1>

</div>

</form>

</body>

</html>

**CScode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault6 :System.Web.UI.Page

{

stringdata= "";

protectedvoidPage\_Load(objectsender,EventArgse)

{

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

ViewState["data"]=TextBox2.Text;TextBox2.Text="";

}

protectedvoidButton2\_Click(objectsender,EventArgse)

{

TextBox2.Text=ViewState["data"].ToString();

}

**}**

1. Store 3 objects of the furniture class having 3 data members (name,manufacturer, and cost) in 3 session objects. Display a panel to include alistbox displaying the names of all three furniture objects, and a buttonnamed “MoreInformation”. On click of the button retrieve the selectedobject(fromlistbox) informationand display itina label.

**Codes:**

<%@PageLanguage="C#"AutoEventWireup="true"CodeFile="Default7.aspx.cs"Inherits="Default7"%>

<!DOCTYPEhtml>

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

<headrunat="server">

<title></title>

<style type="text/css">#form1 {

text-align:center;

}

.auto-style1{color:#66FFCC;

}

</style>

</head>

<body>

<formid="form1"runat="server">

<div>

</div>

<asp:ListBoxID="ListBox1"runat="server"></asp:ListBox>

<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Button" />&nbsp;<asp:LabelID="Label1"runat="server"Text="Label"></asp:Label>

<br/>

<br/>

<br/>

<spanclass="auto-style1">CodeBySatyam</span></form>

</body>

</html>

**CsCode:**

usingSystem;

using System.Collections.Generic;using System.Linq;

using System.Web;usingSystem.Web.UI;

usingSystem.Web.UI.WebControls;

publicpartialclassDefault7 :System.Web.UI.Page

{

protectedvoidPage\_Load(objectsender,EventArgse)

{

if(!IsPostBack)

{

Session["s1"] = new Furniture("chair1", "xyz1", "1001");Session["s2"] = new Furniture("chair2", "xyz2", "1002");Session["s3"]=newFurniture("chair3","xyz3", "1003");

ListBox1.Items.Add(((Furniture)Session["s1"]).name);ListBox1.Items.Add(((Furniture)Session["s2"]).name);ListBox1.Items.Add(((Furniture)Session["s3"]).name);

}

}

protectedvoidButton1\_Click(objectsender,EventArgse)

{

if(ListBox1.SelectedIndex!= -1)

{

if(ListBox1.SelectedIndex== 0)

{

Label1.Text=((Furniture)Session["s1"]).money;Label1.Text=((Furniture)Session["s1"]).cost;

}

elseif(ListBox1.SelectedIndex==1)

{

Label1.Text=((Furniture)Session["s2"]).money;Label1.Text=((Furniture)Session["s2"]).cost;

}

elseif(ListBox1.SelectedIndex==2)

{

Label1.Text=((Furniture)Session["s3"]).money;Label1.Text=((Furniture)Session["s3"]).cost;

}

}

}

}

class Furniture

{

public string name;public string money;publicstringcost;

publicFurniture(stringname,stringmoney,stringcost)

{

this.name = name;this.money = money;this.cost=cost;

}

1. WriteaprograminC#todemonstratemultipleinheritanceusinginterfaces.

**Code:**

usingSystem;

publicclassProgram

{

publicinterfacecommon

{

voidDisplayed();

}

publicclass A :common

{

publicvoidDisplayed()

{

Console.WriteLine("ThisisthemethodofClassA");

}

}

publicclass B:common

{

publicvoidDisplayed()

{

Console.WriteLine("ThisisthemethodofClassB");

}

}

publicstaticvoidMain()

{

Console.WriteLine("Code by Satyam 09"); Console.WriteLine("Multiple Interface Using Interface"); common c;c=newA();c.Displayed();c=newB();c.Displayed();Console.ReadLine();

}

}