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| A picture containing drawing, stop, room  Description automatically generated | Advanced Web Programming  Practical #3 | | |
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| **Name** | Sandeep Jain | **Roll Number** | 21302C0058 |
| **Subject/Course:** | **Advanced Web Programming** | | |
| **Topic** | **Working with Web Forms and Controls** | | |
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| **1. Working with Web Forms and Controls** | | | |
| 1. **Create a simple web page with various sever controls to demonstrate setting and use of their properties. (Example : AutoPostBack)**   **Code**  **Severcontrol.aspx file**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Severcontrol.aspx.cs" Inherits="WebApplication1.Severcontrol" %>**    **<!DOCTYPE html>**    **<html xmlns="**[**http://www.w3.org/1999/xhtml">**](http://www.w3.org/1999/xhtml%22%3E)  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div>**  **Enter you name**  **<asp:TextBox ID="TxtName" runat="server" OnTextChanged="TextBox1\_TextChanged">sandeep jain</asp:TextBox>**  **<br />**  **Enter Password<asp:TextBox ID="TextBox2" runat="server" OnTextChanged="TextBox2\_TextChanged"></asp:TextBox>**  **</div>**  **<p>**  **Enter Your message</p>**  **<p>**  **<asp:TextBox ID="TxtMsg" runat="server" TextMode="MultiLine"></asp:TextBox>**  **</p>**  **select<asp:CheckBox ID="ChkBold" runat="server" Text="Bold" />**  **<asp:CheckBox ID="ChkItalic" runat="server" Text="Italic" />**  **<asp:CheckBox ID="ChkUnderline" runat="server" Text="Underline" />**  **<br />**  **<br />**  **COLOR<asp:RadioButton ID="RdbRed" runat="server" GroupName="color" Text="Red" />**  **<asp:RadioButton ID="RdbGreen" runat="server" GroupName="color" Text="Green" />**  **<asp:RadioButton ID="RdbBlue" runat="server" GroupName="color" Text="blue" />**  **<br />**  **Choose font name&nbsp;&nbsp;**  **<asp:DropDownList ID="LstFont" runat="server">**  **<asp:ListItem>calibiri</asp:ListItem>**  **<asp:ListItem>time new roman</asp:ListItem>**  **</asp:DropDownList>**  **<br />**  **<br />**  **Specify Font size<p>**  **<asp:TextBox ID="TxtFontSize" runat="server"></asp:TextBox>**  **</p>**  **<p>**  **choose back color**  **<asp:DropDownList ID="lstbg" runat="server">**  **<asp:ListItem>BLack</asp:ListItem>**  **</asp:DropDownList>**  **</p>**  **<p>**  **<asp:CheckBox ID="ChkPic" runat="server" OnCheckedChanged="CheckBox2\_CheckedChanged" Text="add defalut" />**  **</p>**  **<p>**  **<asp:Image ID="Image1" runat="server" Height="57px" ImageUrl="~/Screenshot (8).png" Visible="False" Width="131px" />**  **</p>**  **<p>**  **<asp:Button ID="lblmsg" runat="server" OnClick="Button1\_Click" Text="Diplay" />**  **</p>**  **<p>**  **&nbsp;</p>**  **<p>**  **&nbsp;</p>**  **<p>**  **&nbsp;</p>**  **<p>**  **&nbsp;</p>**  **</form>**  **</body>**  **</html>** **Code**  **Severcontrol.aspx.cs File**  **using System;**  **using System.Collections.Generic;**  **using System.Linq;**  **using System.Web;**  **using System.Web.UI;**  **using System.Web.UI.WebControls;**  **namespace WebApplication1**  **{**  **public partial class Severcontrol : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**  **if (!this.IsPostBack)**  **{**  **//set backcolor option in**  **lstbg.Items.Add("black");**  **lstbg.Items.Add("Red");**  **lstbg.Items.Add("Red");**  **}**  **}**  **protected void TextBox1\_TextChanged(object sender, EventArgs e)**  **{**  **}**  **protected void TextBox2\_TextChanged(object sender, EventArgs e)**  **{**  **}**  **protected void DropDownList1\_SelectedIndexChanged(object sender, EventArgs e)**  **{**  **}**  **protected void DropDownList2\_SelectedIndexChanged(object sender, EventArgs e)**  **{**  **}**  **protected void Unnamed1\_CheckedChanged(object sender, EventArgs e)**  **{**  **}**  **protected void CheckBox2\_CheckedChanged(object sender, EventArgs e)**  **{**  **}**  **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **if (ChkBold.Checked == true)**  **lblmsg.Font.Bold = true;**  **else**  **lblmsg.Font.Bold = false;**  **if (ChkItalic.Checked == true)**  **lblmsg.Font.Italic = true;**  **else**  **lblmsg.Font.Italic = false;**  **if (ChkUnderline.Checked == true)**  **lblmsg.Font.Underline = true;**  **else**  **lblmsg.Font.Underline = false;**  **//update Font color**  **if (RdbRed.Checked == true)**  **lblmsg.ForeColor = System.Drawing.Color.Red;**  **else if (RdbGreen.Checked == true)**  **lblmsg.ForeColor = System.Drawing.Color.Green;**  **else if (RdbBlue.Checked == true)**  **lblmsg.ForeColor = System.Drawing.Color.Blue;**  **// Update font.**  **lblmsg.Font.Name = LstFont.SelectedItem.Text;**  **//Update Font Size**  **if (Int32.Parse(TxtFontSize.Text) > 0)**  **{**  **lblmsg.Font.Size = FontUnit.Point(Int32.Parse(TxtFontSize.Text));**  **}**  **//Update Back Color**  **lblmsg.BackColor = System.Drawing.Color.FromName(lstbg.SelectedItem.Text);**  **//display Image**  **if (ChkPic.Checked)**  **{**  **Image1.Visible = true;**  **}**  **else**  **{**  **Image1.Visible = false;**  **}**  **//Display Name & Message in Lable**  **lblmsg.Text = TxtName.Text + " " + TxtMsg.Text;**  **}**  **}**  **}**    **Output** | | | |
| **b. Demonstrate the use of Calendar control to perform following operations.**  **a) Display messages in a calendar control b) Display vacation in a calendar control**  **c) Selected day in a calendar control using style d) Difference between two calendar dates**  **Code aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication1.WebForm1" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<div style="font-size: x-large">**  **<asp:Calendar ID="Calendar1" runat="server" BackColor="Yellow" ForeColor="#FF0066" OnDayRender="Calendar1\_DayRender" OnSelectionChanged="Calendar1\_SelectionChanged">**  **<DayHeaderStyle BackColor="Black" />**  **</asp:Calendar>**  **<br />**  **<br />**  **<asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>**  **<br />**  **<asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>**  **<br />**  **<asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>**  **<br />**  **<asp:Label ID="Label4" runat="server" Text="Label"></asp:Label>**  **<br />**  **<asp:Label ID="Label5" runat="server" Text="Label"></asp:Label>**  **<br />**  **<br />**  **<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Display" />**  **&nbsp;&nbsp;&nbsp;**  **<asp:Button ID="Button2" runat="server" OnClick="Button2\_Click" Text="Reset" />**  **</div>**  **</form>**  **</body>**  **</html>**  **Code Aspx.cs**  **using System;**  **using System.Collections.Generic;**  **using System.Linq;**  **using System.Web;**  **using System.Web.UI;**  **using System.Web.UI.WebControls;**    **namespace WebApplication1**  **{**  **public partial class WebForm1 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**    **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **Calendar1.Caption = "VSIT Academic Calender";**  **Calendar1.FirstDayOfWeek = FirstDayOfWeek.Monday;**  **Calendar1.NextPrevFormat = NextPrevFormat.FullMonth;**  **Calendar1.TitleFormat = TitleFormat.Month;**  **Label2.Text = " Your Selected Date: " + Calendar1.TodaysDate.ToShortDateString();**  **Label3.Text = "Ganpati Vacation Starts:19-09-2023";**  **TimeSpan d1 = new DateTime(2023,09,19)-DateTime.Now;**  **Label4.Text = "days Remaining for Ganpati Vacation:" + d1.Days.ToString();**  **TimeSpan d2 = new DateTime(2023, 12, 31) - DateTime.Now;**  **Label5.Text = "days remaining for new year" + d2.Days.ToString();**    **}**    **protected void Calendar1\_SelectionChanged(object sender, EventArgs e)**  **{**  **Label1.Text = "You Selected Date " + Calendar1.SelectedDate.Date.ToShortDateString();**  **}**    **protected void Button2\_Click(object sender, EventArgs e)**  **{**  **Label1.Text = "";**  **Label2.Text = "";**  **Label3.Text = "";**  **Label4.Text = "";**  **Label5.Text = "";**  **Calendar1.SelectedDates.Clear();**  **}**    **protected void Calendar1\_DayRender(object sender, DayRenderEventArgs e)**  **{**  **if (e.Day.Date.Day == 19 && e.Day.Date.Month == 9)**  **{**  **Calendar1.SelectedDate = new DateTime(2023, 9, 19);**  **Calendar1.SelectedDates.SelectRange(Calendar1.SelectedDate, Calendar1.SelectedDate.AddDays(5));**  **Label l1 = new Label();**  **l1.Text = "Ganpati!!";**  **e.Cell.Controls.Add(l1);**  **}**  **if(e.Day.Date.Day==5&&e.Day.Date.Month==9)**  **{**  **e.Cell.BackColor = System.Drawing.Color.Yellow;**  **Label l2 = new Label();**  **l2.Text = "Teachers days";**  **e.Cell.Controls.Add(l2);**  **Image img = new Image();**  **img.ImageUrl = "tech.jpg";**  **img.Width = 20;**  **img.Height = 20;**  **e.Cell.Controls.Add(img);**    **}**  **}**  **}**  **}**  **Output** | | | |
| **c. Demonstrate the use of Treeview control perform following operations.**  **a) Treeview control and datalist b) Treeview operations**  **Code aspx**  **<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication1.WebForm1" %>**  **<!DOCTYPE html>**  **<html xmlns="http://www.w3.org/1999/xhtml">**  **<head runat="server">**  **<title></title>**  **</head>**  **<body>**  **<form id="form1" runat="server">**  **<asp:TreeView ID="TreeView1" runat="server" OnSelectedNodeChanged="TreeView1\_SelectedNodeChanged" OnTreeNodeCollapsed="TreeView1\_TreeNodeCollapsed">**  **<Nodes>**  **<asp:TreeNode Text="Course" Value="Course">**  **<asp:TreeNode ShowCheckBox="True" Text="B.ScIT" Value="B.ScIT">**  **<asp:TreeNode Text="FYIT" Value="FYIT"></asp:TreeNode>**  **<asp:TreeNode Text="SYIT" Value="SYIT"></asp:TreeNode>**  **</asp:TreeNode>**  **<asp:TreeNode ShowCheckBox="True" Text="BMS" Value="BMS">**  **<asp:TreeNode Text="FYBMS" Value="FYBMS"></asp:TreeNode>**  **<asp:TreeNode Text="SYBMS" Value="SYBMS"></asp:TreeNode>**  **</asp:TreeNode>**  **</asp:TreeNode>**  **</Nodes>**  **</asp:TreeView>**  **<br />**  **<asp:Button ID="Button1" runat="server" OnClick="Button1\_Click" Text="Show" />**  **<asp:DataList ID="DataList1" runat="server" >**  **<ItemTemplate>**  **<%#Eval("text") %>**  **</ItemTemplate>**  **</asp:DataList>**  **&nbsp;<div>**  **</div>**  **</form>**  **</body>**  **</html>**  **Code**  **Aspx.cs**  **using System;**  **using System.Collections.Generic;**  **using System.Linq;**  **using System.Web;**  **using System.Web.UI;**  **using System.Web.UI.WebControls;**    **namespace WebApplication1**  **{**  **public partial class WebForm1 : System.Web.UI.Page**  **{**  **protected void Page\_Load(object sender, EventArgs e)**  **{**    **}**    **protected void Button1\_Click(object sender, EventArgs e)**  **{**  **TreeNodeCollection t1;**  **t1 = TreeView1.CheckedNodes;**  **DataList1.DataSource = t1;**  **DataList1.DataBind();**  **DataList1.Visible = true;**  **}**    **protected void TreeView1\_SelectedNodeChanged(object sender, EventArgs e)**  **{**  **Response.Write("you are selceted" +TreeView1.SelectedValue);**  **}**    **protected void TreeView1\_TreeNodeCollapsed(object sender, TreeNodeEventArgs e)**  **{**  **Response.Write("the value collapsed is" + e.Node.Value);**  **}**    **protected void DataList1\_SelectedIndexChanged(object sender, EventArgs e)**  **{**    **}**  **}**  **}**  **Output** | | | |
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