PRACTICAL NO.3

A.   AIM: Create simple web page with various server controls to demonstrate setting and use of their properties. (Example: AutoPostBack)

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication57
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            string s;
            if (RadioButton1.Checked == true)
            {
                s = RadioButton1.Text;

            }
            else if (RadioButton2.Checked == true)
                s = RadioButton2.Text;
            else
                s = RadioButton3.Text;
            Label5.Text += "in " +s;

        }

        protected void DropDownList1_SelectedIndexChanged(object sender,
EventArgs e)
        {
            Label5.Text = "You have been enrolled in" +
DropDownList1.SelectedItem;
        }
    }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication57.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:Label ID="Label1" runat="server" Text="Rno"></asp:Label>
         
```

```
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />
            <asp:Label ID="Label2" runat="server" Text="Name"></asp:Label>
         
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />
            <asp:Label ID="Label3" runat="server" Text="Class"></asp:Label>
         
            <asp:RadioButton ID="RadioButton1" runat="server" AutoPostBack="True"
Checked="True" GroupName="class" Text="FY" />
            <asp:RadioButton ID="RadioButton2" runat="server" AutoPostBack="True"
Checked="True" GroupName="class" Text="SY" />
            <asp:RadioButton ID="RadioButton3" runat="server" Checked="True"
GroupName="class" Text="TY" />
            <br />
            <asp:Label ID="Label4" runat="server" Text="Course"></asp:Label>
         
            <asp:DropDownList ID="DropDownList1" runat="server"
AppendDataBoundItems="True" AutoPostBack="True" CausesValidation="True"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged">
                <asp:ListItem>B.Com</asp:ListItem>
                <asp:ListItem>BMs</asp:ListItem>
                <asp:ListItem Selected="True">B.SC(IT)</asp:ListItem>
                <asp:ListItem>B.Sc(CS)</asp:ListItem>
            </asp:DropDownList>
            <br />
            <br />
             &nb
sp;    
            <asp:Button ID="Button1" runat="server" Height="24px"
OnClick="Button1_Click" Text="Button" />
            <br />
            <asp:Label ID="Label5" runat="server" Text="Label"></asp:Label>
        </div>
    </form>
</body>
</html>
```

OUTPUT:

Rno   53

Name   Susil

Class   ○ FY ○ SY ● TY

Course   B.SC(IT) ▾

Button

You have been enrolled inB.SC(IT)in TY

PRACTICAL NO.3

B. AIM: Demonstrate the use of calendar control to perform following operations.

(a) Display messages in a calendar control

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace _3bb
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {
        }
        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            if (e.Day.Date.Day == 18)
                e.Cell.Controls.Add(new LiteralControl("<br/>Holiday"));
        }
    }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="_3bb.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <asp:Calendar ID="Calendar1" runat="server" BackColor="White"
OnSelectionChanged="Calendar1_SelectionChanged"
    BorderColor="White" BorderWidth="1px" Font-Names="Verdana" Font-Size="9pt"
    ForeColor="Black" Height="190px" NextPrevFormat="FullMonth"
OnDayRender="Calendar1_DayRender"
    Width="350px">
    <DayHeaderStyle Font-Bold="true" Font-Size="8pt"/>
    <NextPrevStyle Font-Bold="true" Font-Size="8pt" ForeColor="#333333"
        VerticalAlign="Bottom"/>
    <OtherMonthDayStyle ForeColor="#999999" />
    <SelectedDayStyle BackColor="#333399" ForeColor="White" />
    <TitleStyle BackColor="White" BorderColor="Black" BorderWidth="4px"
        Font-Bold="true" Font-Size="12pt" ForeColor="#333399" />
    <TodayDayStyle BackColor="#CCCCCC" />
</asp:Calendar>
        <div>

        </div>
    </form>
```

PRACTICAL NO.3

```
</body>
</html>
```

OUTPUT:

June		July 2024				August
Mon	**Tue**	**Wed**	**Thu**	**Fri**	**Sat**	**Sun**
24	25	26	27	28	29	30
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18 Holiday	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4

PRACTICAL NO.3

(b) To display vacation in a calendar

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication2
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        { }
        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            if((e.Day.Date>=new DateTime(2018,11,30)))
            {
                e.Cell.BackColor = System.Drawing.Color.Blue;
                e.Cell.BorderColor = System.Drawing.Color.Black;
                e.Cell.BorderWidth= new Unit(3);
            }
        }

    }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication2.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:Calendar ID="Calendar1" runat="server" BackColor="White"
OnSelectionChanged="Calendar1_SelectionChanged"
                BorderColor="White" BorderWidth="1px" Font-Names="Verdana" Font-Size="9pt"
                ForeColor="Black" Height="190px" NextPrevFormat="FullMonth"
OnDayRender="Calendar1_DayRender"
                Width="350px">
                <DayHeaderStyle Font-Bold="true" Font-Size="8pt"/>
                <NextPrevStyle Font-Bold="true" Font-Size="8pt" ForeColor="#333333"
                    VerticalAlign="Bottom"/>
                <OtherMonthDayStyle ForeColor="#999999" />
                <SelectedDayStyle BackColor="#333333" ForeColor="White" />
```

PRACTICAL NO.3

```
        <TitleStyle BackColor="White" BorderColor="Black" BorderWidth="4px"
          Font-Bold="true" Font-Size="12pt" ForeColor="#333399" />
        <TodayDayStyle BackColor="#CCCCCC" />
      </asp:Calendar>
    </div>
  </form>
</body>
</html>
```

OUTPUT:

June	July 2024					August
Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	1	2	3
4	5	6	7	8	9	10

PRACTICAL NO.3

(c) Selected day in a calendar control using style.

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace _3bc
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {
        }
    protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
     {
     if(e.Day.Date >= new DateTime(2018,9,9)&& e.Day.Date<=new DateTime(2018,9,18))
        {
           e.Cell.BackColor = System.Drawing.Color.Cyan;
           e.Cell.BorderColor = System.Drawing.Color.Black;
           e.Cell.BorderWidth = new Unit(3);
        }
        if (e.Day.IsOtherMonth)
        {
           e.Cell.Controls.Clear();
        }
    }

   }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="_3bc.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:Calendar ID="Calendar1" runat="server"
OnSelectionChanged="Calendar1_SelectionChanged"
            BorderColor="White" BorderWidth="1px" Font-Names="Verdana" Font-Size="9pt"
            ForeColor="Black" Height="190px" NextPrevFormat="FullMonth"
            ondayrender="Calendar1_DayRender" Width="350px">
            <DayHeaderStyle Font-Bold="true" Font-Size="8pt" />
```

```
        <NextPrevStyle Font-Bold="true" Font-Size="8pt" ForeColor="#333333"
VerticalAlign="Bottom" />
        <OtherMonthDayStyle ForeColor="#999999" />
        <SelectedDayStyle BackColor="#333399" ForeColor="White" />
        <TitleStyle BackColor="White" BorderColor="Black" BorderWidth="4px" Font-Bold="true"
Font-Size="12pt" ForeColor="#333399" />
        <TodayDayStyle BackColor="#CCCCCC" />
      </asp:Calendar>
    </div>
  </form>
</body>
</html>
```

OUTPUT:

August	September 2018					October
Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

PRACTICAL NO.3

(d) Difference between two calendar dates.

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication65
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {

        }

        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            if (e.Day.Date.Day == 18)
                e.Cell.Controls.Add(new LiteralControl("<br/>Holiday"));
            if ((e.Day.Date >= new DateTime(2024, 11, 23)) && (e.Day.Date <= new
DateTime(2024, 11, 30)))
            {
                e.Cell.BackColor = System.Drawing.Color.Blue;
                e.Cell.BorderColor = System.Drawing.Color.Black;
                e.Cell.BorderWidth = new Unit(3);

            }
            if (e.Day.Date >= new DateTime(2024, 9, 9) && e.Day.Date <= new
DateTime(2024, 9, 18))
            {
                e.Cell.BackColor = System.Drawing.Color.Cyan;
                e.Cell.BorderColor = System.Drawing.Color.Black;
                e.Cell.BorderWidth = new Unit(3);

            }
            if (e.Day.IsOtherMonth)
            {
                e.Cell.Controls.Clear();
            }
        }
        protected void Button1_Click(object sender, EventArgs e)
        {
            TimeSpan t = Calendar1.SelectedDate - Calendar2.SelectedDate;
            Label1.Text += t.Days.ToString();
        }
    }
}
```

PRACTICAL NO.3

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication65.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="margin-left:40px">
        <div>
            <asp:Calendar ID="Calendar1" runat="server"
OnDayRender="Calendar1_DayRender"
OnSelectionChanged="Calendar1_SelectionChanged"></asp:Calendar>
            <asp:Calendar ID="Calendar2" runat="server"></asp:Calendar>
            <asp:Label ID="Label1" runat="server" Text="No of days
is:"></asp:Label>
    
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

OUTPUT:

PRACTICAL NO.3

C. AIM: Demonstrate the use of Tree view control perform following operations.

(a) Tree view control and datalist

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace pra3ca
{
    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 T;
            T = TreeView1.CheckedNodes;

                DataList1.DataSource = T;
                DataList1.DataBind();
                DataList1.Visible = true;
        }

        protected void TreeView1_SelectedNodeChanged(object sender, EventArgs e)
        {

        }



    }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="pra3ca.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="height: 159px">
    <form id="form1" runat="server">
        <div style="height: 145px">
            <asp:TreeView ID="TreeView1" runat="server" >
                <Nodes>
                    <asp:TreeNode Checked="true" ShowCheckBox="true" Text="Course">
```

```
              <asp:TreeNode Checked="true" ShowCheckBox="true" Text="BSCIT"
Value="BSCIT"></asp:TreeNode>
              <asp:TreeNode Checked="true" ShowCheckBox="true" Text="BCOM"
Value="BCOM"></asp:TreeNode>
          </asp:TreeNode>
        </Nodes>

      </asp:TreeView>
      <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
      <asp:DataList ID="DataList1" runat="server" >
        <ItemTemplate>
          <%# Eval("text") %>

        </ItemTemplate>
      </asp:DataList>
    </div>
  </form>
</body>
</html>
```

OUTPUT:

(b) Tree view Operations

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication8
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
        protected void TreeView1_SelectedChanged(object sender, EventArgs e)
        {
            Response.Write("You Have selected The Option:" + TreeView1.SelectedValue);
        }
        protected void TreeView1_TreeNodeCollapsed(object sender, TreeNodeEventArgs e)
        {
            Response.Write("The value Callapsed was:" + e.Node.Value);
        }
    }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication8.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body style="width: 936px">
    <form id="form1" runat="server">
        <div>
        <asp:TreeView ID="TreeView1" runat="server">
            <Nodes>
                <asp:TreeNode Checked="True" ShowCheckBox="True" Text="Course" Value="Course">
                <asp:TreeNode Checked="True" ShowCheckBox="True" Text="BSC(IT)" Value="BSC(IT)">
                    <asp:TreeNode Text="FY" Value="FY"></asp:TreeNode>
                    <asp:TreeNode Text="SY" Value="SY"></asp:TreeNode>
                    </asp:TreeNode>
                    <asp:TreeNode Checked="True" ShowCheckBox="True" Text="B.Com"
Value="B.Com)">
                    <asp:TreeNode Text="FY" Value="FY"></asp:TreeNode>
                    <asp:TreeNode Text="TY" Value="TY"></asp:TreeNode>
                    </asp:TreeNode>
                </asp:TreeNode>
```
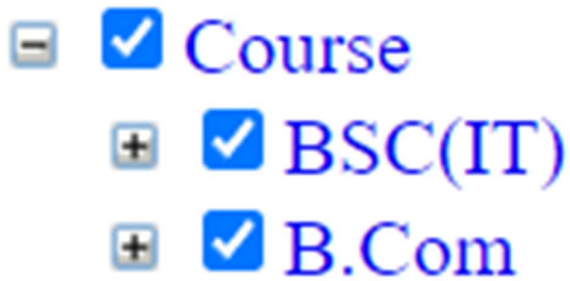
```
        </Nodes>
      </asp:TreeView>
        </div>
    </form>
</body>
</html>
```

OUTPUT:

The Value Collapsed Was: BSC(IT)

☐ ☑ Course

    ☐ ☑ BSC(IT)

    ☐ ☑ B.Com

You have Selected the Option: BSC(IT)

☐ ☑ Course

    ☐ ☑ BSC(IT)

        FY

        SY

    ☐ ☑ B.Com

        FY

        TY