

Practical No:3(a)

Aim:Create a simple web page with various sever 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>
```

[illegible]

Output:

Rno	<input type="text" value="48"/>
Name	<input type="text" value="Ishika"/>
Class	<input type="radio"/> FY <input type="radio"/> SY <input checked="" type="radio"/> TY
Course	<input type="text" value="B.SC(IT)"/> ▼
	<input type="button" value="Button"/>

You have been enrolled in B.SC(IT) inTY

Output:

Practical No:3(b)

Aim: Demonstrate the use of Calendar control to perform following operations.

(i) 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 WebApplication58
{
    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="WebApplication58.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" BorderColor="White"
BorderWidth="1px" Font-Names="Verdana" Font-Size="9pt" ForeColor="Black" Height="190px"
NextPrevFormat="FullMonth" OnDayRender="Calendar1_DayRender"
```

```
OnSelectionChanged="Calendar1_SelectionChanged" SelectedDate="2024-07-11" VisibleDate="2024-07-11">
```

```
<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:

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

Practical No:3(b)

Aim: Demonstrate the use of Calendar control to perform following operations.

(ii) 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 WebApplication59
{
    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.BackColor = System.Drawing.Color.Black;
                e.Cell.BorderWidth = new Unit(3);
            }
        }
    }
}
```

Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication59.WebForm1" %>
```

```
<!DOCTYPE html>
```

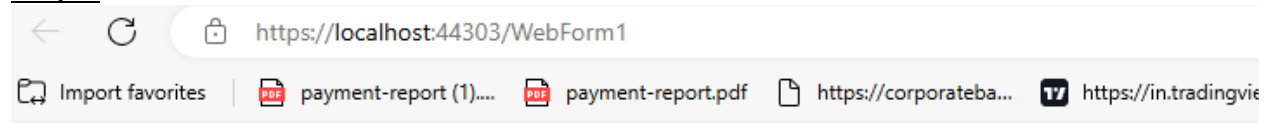
```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
```

```

<form id="form1" runat="server">
    <div>
        <asp:Calendar ID="Calendar1" runat="server" BackColor="White" BorderWidth="1px" Font-
Names="Verdana" Font-Size="9pt" ForeColor="Black" Height="190px" NextPrevFormat="FullMonth"
OnDayRender="Calendar1_DayRender" OnSelectionChanged="Calendar1_SelectionChanged"
SelectedDate="2024-11-22" VisibleDate="2024-11-30" 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:



October			November 2024			December	
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
27	28	29	30	31	1	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18 Holiday	19	20	21	22		
1	2	3	4	5	6	7	

Practical No:3(b)

Aim: Demonstrate the use of Calendar control to perform following operations.

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

        }

        protected void Calendar2_SelectionChanged(object sender, EventArgs e)
        {

        }

        protected void Calendar2_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(2024,9,9) && 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();
            }
        }
    }
}
```

Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="calender_control_using_style.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="Calendar2" runat="server" BackColor="Pink" BorderColor="Black"
BorderWidth="1px" Font-Names="Verdana" Font-Size="9pt" ForeColor="Blue" Height="190px"
NextPrevFormat="FullMonth" OnDayRender="Calendar2_DayRender"
OnSelectionChanged="Calendar2_SelectionChanged" SelectedDate="2024-09-09" VisibleDate="2024-09-18"
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="12px" ForeColor="#333399" />
                <TodayDayStyle BackColor="#CCCCCC" />
            </asp:Calendar>
        </div>
    </form>
</body>
</html>

```

Output:

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

Practical No:3(b)

Aim:Demonstrate the use of Calendar control to perform following operations.

(iv)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();
        }
    }
}
```

```
<%@ 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">  
            <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>  
&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;&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;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&~  
            <asp:Button ID="Button1" runat="server" onClick="Button1_Click" Text="Button" />  
        </div>  
    </form>  
</body>  
</html>
```

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

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

No of days is:22 Button

Practical no:3(c)

Demonstrate the use of Treeview control perform following operations.

(i)Treeview 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 Treeview
{
    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;
        }
    }
}
```

Source code:

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

```
<!DOCTYPE html>
```

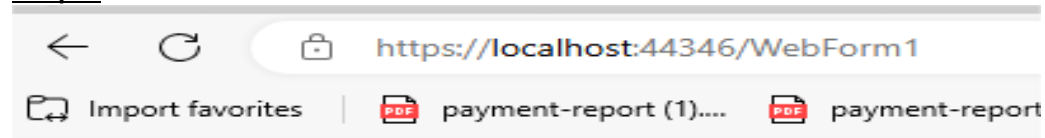
```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:TreeView ID="TreeView1" runat="server">
                <Nodes>
                    <asp:TreeNode Checked="True" ShowCheckBox="True"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

```

        <asp:TreeNode Checked="True" ShowCheckBox="True" Text="B.COM"
Value="B.COM"></asp:TreeNode>
    </asp:TreeNode>
</Nodes>
</asp:TreeView>
<br />
<asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1_Click" />
<br />
<asp:DataList ID="DataList1" runat="server">
    <ItemTemplate>
        <%# Eval("text") %>
    </ItemTemplate>
</asp:DataList>
</div>
</form>
</body>
</html>

```

Output:



☐ Course

☒ BSC(IT)

☒ B.COM

Button

BSC(IT)

B.COM

Practical no. 3(c)

Aim: Demonstrate the use of Treeview control perform following operations.

(ii) Treeview operation

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace WebApplication67
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }
        protected void TreeView1_SelectedNodeChanged(object sender, EventArgs e)
        {
            Response.Write("You Have selected the Option:" + TreeView1.SelectedNode.Value);
        }

        protected void TreeView1_TreeNodeCollapsed(object sender, TreeNodeEventArgs e)
        {
            Response.Write("The value Collapsed Was:" + e.Node.Value);
        }
    }
}
```

SOURCE CODE:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication67.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:TreeView ID="TreeView1" runat="server"
OnSelectedNodeChanged="TreeView1_SelectedNodeChanged"
OnTreeNodeCollapsed="TreeView1_TreeNodeCollapsed">
                <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 ShowCheckBox="False" Text="FY" Value="FY"></asp:TreeNode>
                            <asp:TreeNode Text="SY" Value="SY"></asp:TreeNode>
                            <asp:TreeNode Text="TY" Value="TY"></asp:TreeNode>
                        </asp:TreeNode>
                    </asp:TreeNode>
                </Nodes>
            </asp:TreeView>
        </div>
    </form>
</body>
</html>
```

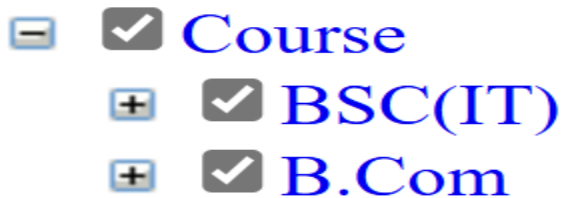
```

        </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="SY" Value="SY"> </asp:TreeNode>
        </asp:TreeNode>
    </asp:TreeNode>
</Nodes>
</asp:TreeView>
</div>
</form>
</body>
</html>

```

Output:

The value Collapsed Was:B.Com



You Have selected the Option:BSC(IT)

