**3B-**

**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**

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<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="#FFFFCC"

BorderColor="#FFCC66" BorderWidth="1px" DayNameFormat="Shortest"

Font-Names="Verdana" Font-Size="8pt" ForeColor="#663399" Height="200px"

NextPrevFormat="ShortMonth" OnDayRender="Calendar1\_DayRender"

ShowGridLines="True" Width="300px" OnSelectionChanged="Calendar1\_SelectionChanged" >

<DayHeaderStyle BackColor="#FFCC66" Font-Bold="True" Height="1px" />

<NextPrevStyle BorderStyle="Solid" BorderWidth="2px" Font-Size="9pt"

ForeColor="#FFFFCC" />

<OtherMonthDayStyle BackColor="#FFCC99" BorderStyle="Solid" ForeColor="#CC9966" />

<SelectedDayStyle BackColor="Red" Font-Bold="True" />

<SelectorStyle BackColor="#FFCC66" />

<TitleStyle BackColor="#990000" Font-Bold="True" Font-Size="9pt" ForeColor="#FFFFCC" />

<TodayDayStyle BackColor="#FFCC66" ForeColor="White" />

<WeekendDayStyle Height="50px" />

</asp:Calendar>

</div>

<br />

<br />

<asp:Button ID="btnReset" runat="server" Text="reset"

onclick="btnReset\_Click" />

<br />

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

<br />

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

<br />

<asp:Label ID="Label3" runat="server"></asp:Label>

<br />

<asp:Label ID="Label4" runat="server"></asp:Label>

<br />

<asp:Label ID="Label5" runat="server"></asp:Label><br />

</form>

</body>

</html>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Web;

using System.Web.UI;

using System.Web.UI.WebControls;

public partial class \_Default : System.Web.UI.Page

{

protected void Calendar1\_DayRender(object sender, System.Web.UI.WebControls.DayRenderEventArgs e)

{

if (e.Day.Date.Day == 5 && e.Day.Date.Month == 9)

{

e.Cell.BackColor = System.Drawing.Color.Yellow;

Label lbl = new Label();

lbl.Text = "<br>Teachers Day!";

e.Cell.Controls.Add(lbl);

Image g1 = new Image();

g1.ImageUrl = "td.jpg";

g1.Height = 20;

g1.Width = 20;

e.Cell.Controls.Add(g1);

}

if (e.Day.Date.Day == 13 && e.Day.Date.Month == 9)

{

Calendar1.SelectedDate = new DateTime(2018, 9, 12);

Calendar1.SelectedDates.SelectRange(Calendar1.SelectedDate, Calendar1.SelectedDate.AddDays(10));

Label lbl1 = new Label();

lbl1.Text = "<br>Ganpati!";

e.Cell.Controls.Add(lbl1);

}

}

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

{

Label1.Text = "";

Label2.Text = "";

Label3.Text = "";

Label4.Text = "";

Label5.Text = "";

Calendar1.SelectedDates.Clear();

}

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

{

Label1.Text = "Your Selected Date:" + Calendar1.SelectedDate.Date.ToString();

Calendar1.Caption = "Title ";

Calendar1.FirstDayOfWeek = FirstDayOfWeek.Sunday;

Calendar1.NextPrevFormat = NextPrevFormat.ShortMonth;

Calendar1.TitleFormat = TitleFormat.Month;

Label2.Text = "Todays Date" + Calendar1.TodaysDate.ToShortDateString();

Label3.Text = "Ganpati Vacation Start: 9-13-2018";

TimeSpan d = new DateTime(2018, 9, 13) - DateTime.Now;

Label4.Text = "Days Remaining For Ganpati Vacation:" + d.Days.ToString();

TimeSpan d1 = new DateTime(2018, 12, 31) - DateTime.Now;

Label5.Text = "Days Remaining for New Year:" + d1.Days.ToString();

if(Calendar1.SelectedDate.ToShortDateString() == "9/13/2018")

Label3.Text = "<b>Ganpati Festival Startss</b>";

if(Calendar1.SelectedDate.ToShortDateString() == "9/23/2018")

Label3.Text = "<b>Ganpati Festival End</b>";

}

}