
UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
SECOND HALF 2018
Advanced Web Programming (USIT5P3)

Seat No. : _____

Max. Marks: 50

1.	Create a XML document for student database and apply the style sheet effects and display on webpage.	20
2.	Create a simple web page containing the student details (RollNo, Name, Class, Phone, Email). Write a program to store the data in the database and retrieve it using Data reader in tabular format.	20
3.	Viva	5
4.	Journal	5

1)

Xml file

```
<?xml version="1.0" encoding="utf-8" ?>
<?xml-stylesheet type="text/css" href="sam.css"?>
<books>
  <heading>Welcome To GeeksforGeeks </heading>
  <book>
    <title>Title -: Web Programming</title>
    <author>Author -: Chrisbates</author>
    <publisher>Publisher -: Wiley</publisher>
    <edition>Edition -: 3</edition>
    <price>Price -: 300</price>
  </book>
  <book>
    <title>Title -: Internet world-wide-web</title>
    <author>Author -: Ditel</author>
    <publisher>Publisher -: Pearson</publisher>
    <edition>Edition -: 3</edition>
    <price>Price -: 400</price>
  </book>
  <book>
    <title>Title -: Computer Networks</title>
    <author>Author -: Forouzan</author>
    <publisher>Publisher -: Mc Graw Hill</publisher>
    <edition>Edition -: 5</edition>
    <price>Price -: 700</price>
  </book>
  <book>
    <title>Title -: DBMS Concepts</title>
    <author>Author -: Navath</author>
    <publisher>Publisher -: Oxford</publisher>
    <edition>Edition -: 5</edition>
    <price>Price -: 600</price>
  </book>
  <book>
    <title>Title -: Linux Programming</title>
    <author>Author -: Subhitab Das</author>
    <publisher>Publisher -: Oxford</publisher>
```

```
        <edition>Edition -: 8</edition>
        <price>Price -: 300</price>
    </book>
</books>
```

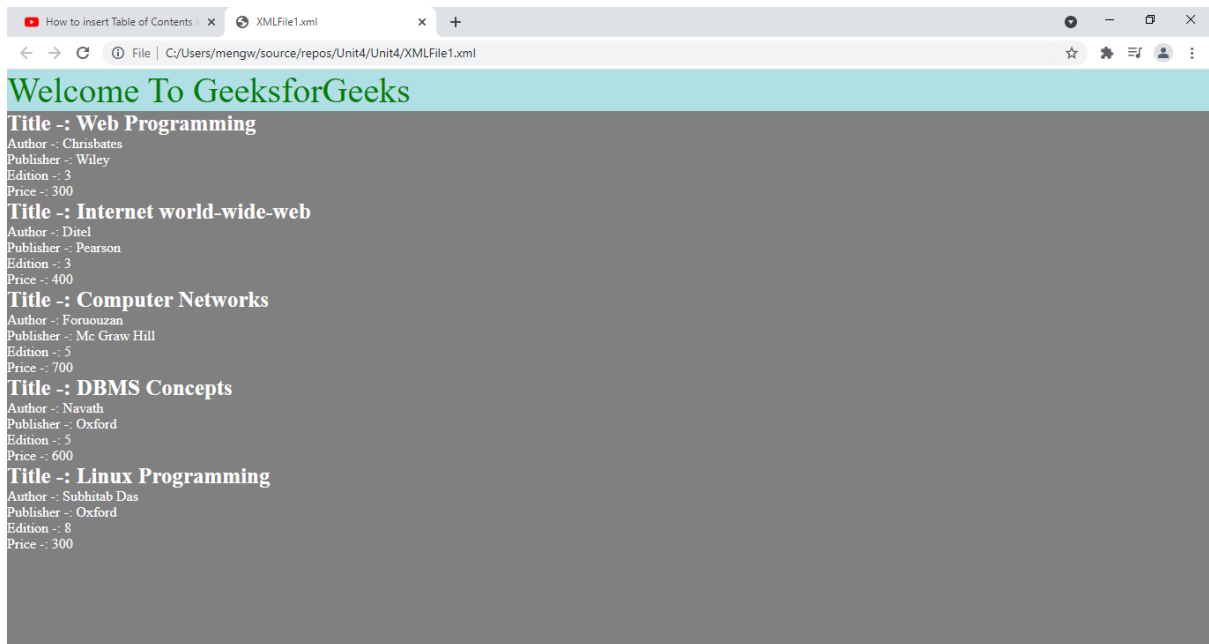
Css file

```
books {
    color: white;
    background-color: gray;
    width: 100%;
}
```

```
heading {
    color: green;
    font-size: 40px;
    background-color: powderblue;
}
```

```
heading, title, author, publisher, edition, price {
    display: block;
}
```

```
title {
    font-size: 25px;
    font-weight: bold;
}
```



2)

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="slip1.WebForm1" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <table>
        <tr>
          <td>
            Roll no <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
          </td>
        </tr>
        <tr>
          <td>
            Name <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
          </td>
        </tr>
        <tr>
          <td>
            Class <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
          </td>
        </tr>
        <tr>
          <td>
            Phone <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
          </td>
        </tr>
        <tr>
          <td>
            Email <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
          </td>
        </tr>
      </table>
    </div>
  </form>
</body>
</html>
```

```

</div>
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" style="height: 26px" Text="Button" />
<p>
    <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Button" />
</p>
<asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
</form>
</body>
</html>

```

Webform.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data.SqlClient;
namespace slip1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        SqlConnection con = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=C:\Users\mengw\source\repos\slip1\slip1\App_Data\Databa
se1.mdf;Integrated Security=True");
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            try
            {

                string query = "insert into demo values(" + TextBox1.Text + "," + TextBox2.Text + "," + TextBox3.Text +
                "," + TextBox4.Text + "," + TextBox5.Text + ")";
                SqlCommand cmd = new SqlCommand(query, con);
                con.Open();
                cmd.ExecuteNonQuery();

            }
            catch (Exception x)
            {
                Response.Write(x.ToString());
            }
            finally
            {
                if (con.State == System.Data.ConnectionState.Closed)
                {

                }
                else
                {
                    con.Close();
                }
            }
        }

        protected void Button2_Click(object sender, EventArgs e)
        {

```

```

try
{
    string squery = "Select * from demo";
    SqlCommand cmd = new SqlCommand(squery,con);
    con.Open();
    SqlDataReader dr= cmd.ExecuteReader();
    string op = "<table border>";
    if (dr.HasRows)
    {
        while (dr.Read())
        {
            op += "<tr><td>" + dr[0] + "</td><td>" + dr[1] + "</td><td>" + dr[2] + "</td><td>" + dr[3] +
"</td><td>" + dr[4] + "</td></tr>";

        }
    }
    op += "</table>";
    Label1.Text = op;
}
catch(Exception x)
{
    Response.Write(x.ToString());
}
finally
{
    if (con.State == System.Data.ConnectionState.Closed)
    {

    }
    else
    {
        con.Close();
    }
}
}
}

Op

```

https://localhost:44364/WebForm1.aspx

Roll no

Name

Class

Phone

Email

Button

Button

1	Jaydeep	TYBscIT	123456789	jayy@jay.com
219660	jaydeep	TYBscIT	12345	jayy@jay.com

UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
SECOND HALF 2018

Advanced Web Programming (USIT5P3)

Seat No. : _____

Max. Marks: 50

1.	Create simple application to perform following operations i. Finding factorial Value ii. Money Conversion iii. Cube of given number iv. Generate Fibonacci series	20
2.	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	20
3.	Viva	5
4.	Journal	5

1)

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

```
using System.Threading.Tasks;
```

```
namespace program3
```

```
{
```

```
    class Program
```

```
    {
```

```
        static void Main(string[] args)
```

```
        {
```

```
            int i, number, fact;
```

```
            Console.WriteLine("Enter the Number");
```

```
            number = int.Parse(Console.ReadLine());
```

```
            fact = number;
```

```
            for (i = number - 1; i >= 1; i--)
```

```
            {
```

```
                fact = fact * i;
```

```
            }
```

```
            Console.WriteLine("\nFactorial of Given Number is: " + fact);
```

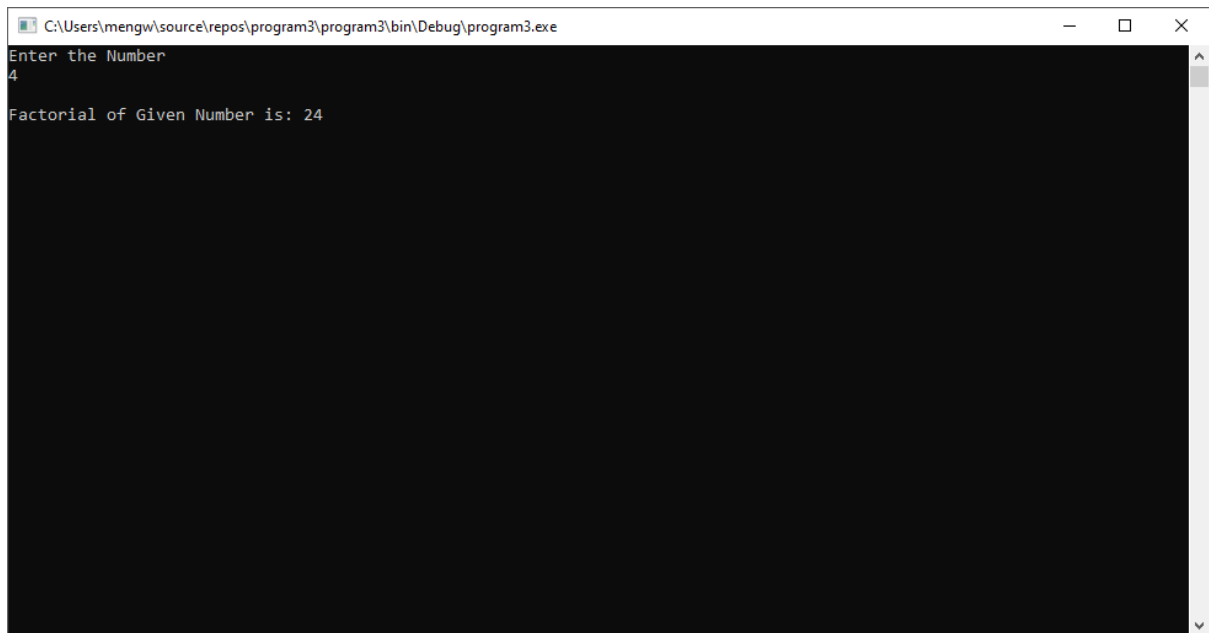
```
            Console.ReadLine();
```

```
        }
```

```
    }
```

```
}
```

Output

A screenshot of a Windows console window. The title bar shows the file path "C:\Users\mengw\source\repos\program3\program3\bin\Debug\program3.exe". The console output shows the prompt "Enter the Number", the input "4", and the result "Factorial of Given Number is: 24".

```
C:\Users\mengw\source\repos\program3\program3\bin\Debug\program3.exe
Enter the Number
4
Factorial of Given Number is: 24
```

[ii] Money Conversion

Code

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace moneyconversion
{
    class Program
    {
        static void Main(string[] args)
        {
            int choice;

            Console.WriteLine("Enter your Choice :\n 1- Dollar to Rupee \n 2 - Euro to Rupee \n 3 - Malaysian Ringgit to Rupee ");

            choice = int.Parse(Console.ReadLine());

            switch (choice)
            {
```


case 1:

```
Double dollar, rupee, val;
Console.WriteLine("Enter the Dollar Amount :");
dollar = Double.Parse(Console.ReadLine());
Console.WriteLine("Enter the Dollar Value :");
val = double.Parse(Console.ReadLine());
rupee = dollar * val;
Console.WriteLine("{0} Dollar Equals {1} Rupees", dollar, rupee);
break;
```

case 2:

```
Double Euro, rupe, valu;
Console.WriteLine("Enter the Euro Amount :");
Euro = Double.Parse(Console.ReadLine());
Console.WriteLine("Enter the Euro Value :");
valu = double.Parse(Console.ReadLine());
rupe = Euro * valu;
Console.WriteLine("{0} Euro Equals {1} Rupees", Euro, rupe);
break;
```

case 3:

```
Double ringit, rup, value;
Console.WriteLine("Enter the Ringgit Amount :");
ringit = Double.Parse(Console.ReadLine());
Console.WriteLine("Enter the Ringgit Value :");
value = double.Parse(Console.ReadLine());
rup = ringit * value;
Console.WriteLine("{0} Malaysian Ringgit Equals {1} Rupees",
    ringit, rup);
break;
```

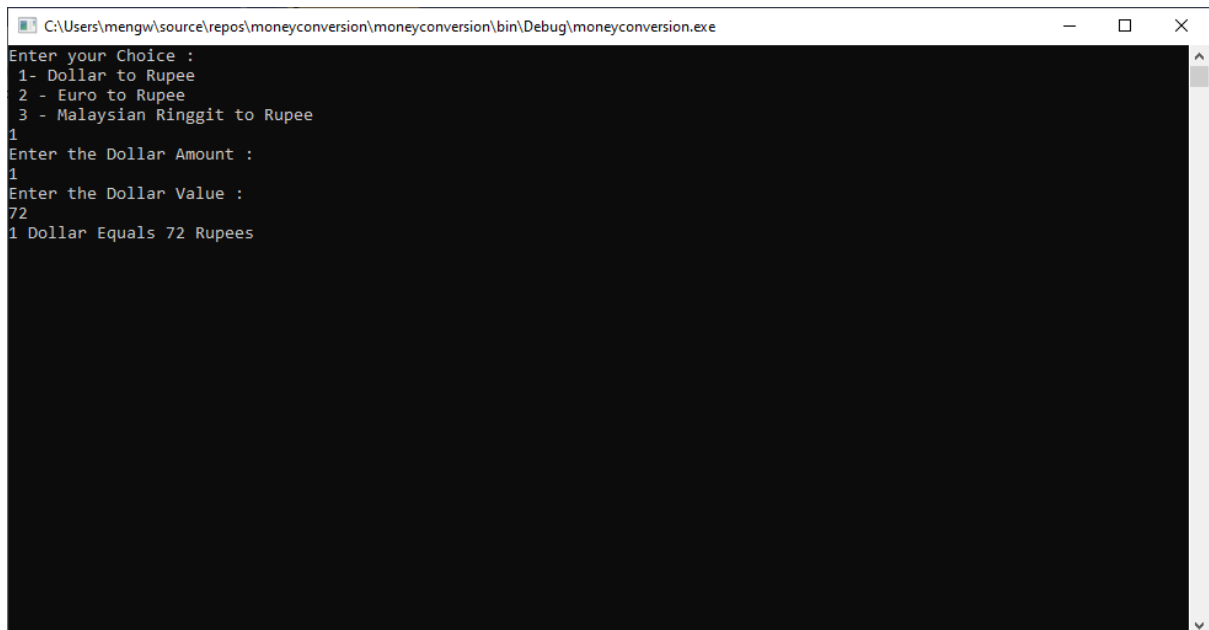
}

```
Console.ReadLine();
```

}

```
}  
}
```

Output



The screenshot shows a Windows command prompt window titled "C:\Users\mengw\source\repos\moneyconversion\moneyconversion\bin\Debug\moneyconversion.exe". The program prompts the user to "Enter your Choice :" and lists three options: "1- Dollar to Rupee", "2 - Euro to Rupee", and "3 - Malaysian Ringgit to Rupee". The user enters "1". The program then prompts "Enter the Dollar Amount :" and the user enters "1". Next, it prompts "Enter the Dollar Value :" and the user enters "72". Finally, the program outputs "1 Dollar Equals 72 Rupees".

```
C:\Users\mengw\source\repos\moneyconversion\moneyconversion\bin\Debug\moneyconversion.exe  
Enter your Choice :  
1- Dollar to Rupee  
2 - Euro to Rupee  
3 - Malaysian Ringgit to Rupee  
1  
Enter the Dollar Amount :  
1  
Enter the Dollar Value :  
72  
1 Dollar Equals 72 Rupees
```

[i] Fibonacci Series

```
using System;  
class Program
```

```
{  
    static void Main(string[] args)  
    {  
        int n1=0,n2=1,n3,i,number;  
        Console.Write("Enter the number of elements: ");  
        number = int.Parse(Console.ReadLine());  
        Console.Write(n1+" "+n2+" ");  
        for(i=2;i<number;++i)  
        {  
            n3=n1+n2;  
            Console.Write(n3+" ");  
            n1=n2;  
            n2=n3;  
        }  
    }  
}
```

Output

```
Command Prompt
which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240
demo.cs(18,6): error CS1513: } expected
D:\>demo
Enter the Limit : 5
0
1
1
2
3
5
8
13
^C
D:\>csc demo.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240
D:\>demo
Enter the number of elements: 5
0 1 1 2 3
D:\>
```

Cube

using System;

class cube

{

static int Main()

{

int number = 0;

double cube= 0;

Console.Write("Enter the value of number: ");

number = Convert.ToInt32(Console.ReadLine());

cube=number*number*number;

Console.WriteLine("Cube is : " + cube);

return 0;

}

}

2)

a) Display messages in a calendar control

Code

Webform2.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"
Inherits="practical3.WebForm2" %>

<!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="Black"
            BorderStyle="Solid" CellSpacing="1" Font-Names="Verdana" Font-Size="9pt" ForeColor="Black" Height="250px"
            NextPrevFormat="ShortMonth" ondayrender="Calendar1_DayRender"
            onselectionchanged="Calendar1_SelectionChanged" Width="330px"> <DayHeaderStyle Font-Bold="True" Font-
            Size="8pt" ForeColor="#333333" Height="8pt" />
            <DayStyle BackColor="#CCCCCC" />
            <NextPrevStyle Font-Bold="True" Font-Size="8pt" ForeColor="White" /> <OtherMonthDayStyle
            ForeColor="#999999" />
            <SelectedDayStyle BackColor="#333399" ForeColor="White" />
            <TitleStyle BackColor="#333399" BorderStyle="Solid" Font-Bold="True" Font-Size="12pt" ForeColor="White"
            Height="12pt" />
            <TodayDayStyle BackColor="#999999" ForeColor="White" />
            </asp:Calendar>

        </div>
    </form>
</body>
</html>
```

Webform2.aspx.cs

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

namespace practical3
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {

        }

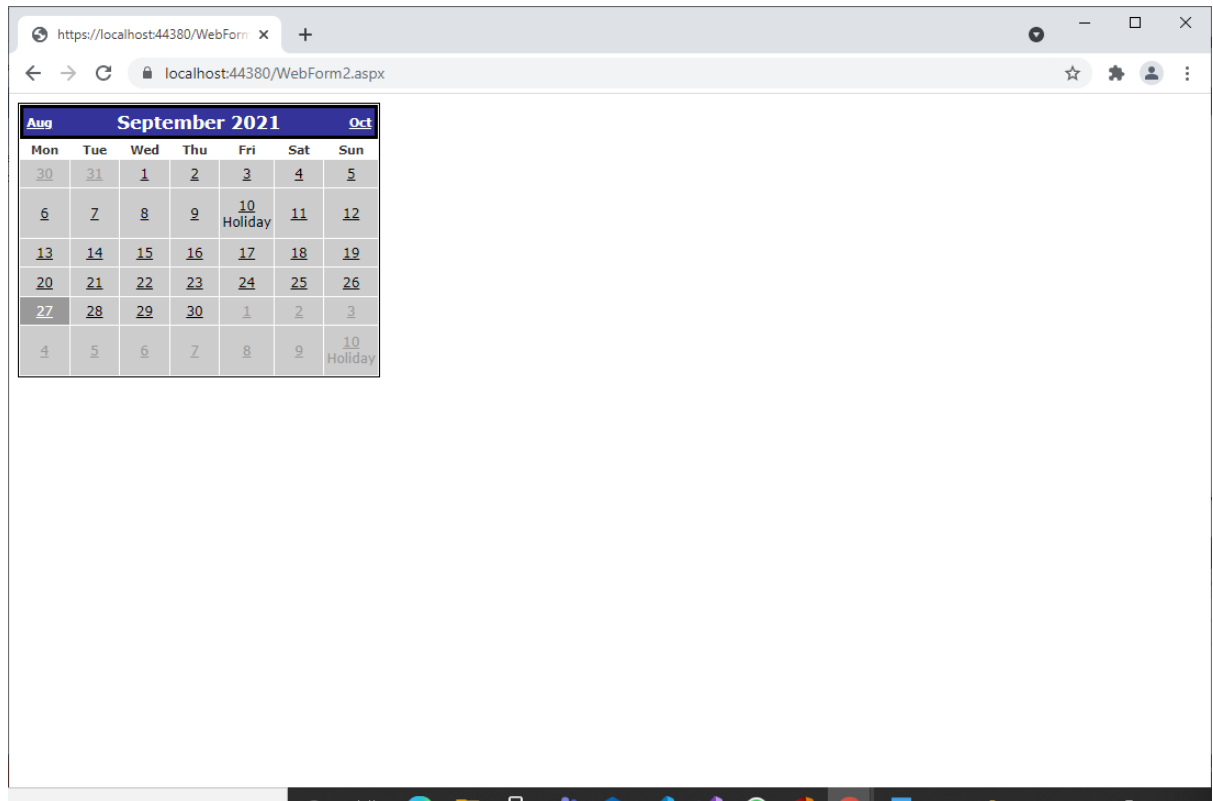
        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            {
```

```

        if (e.Day.Date.Day == 10)
            e.Cell.Controls.Add(new LiteralControl("<br>Holiday"));
    }
}
}
}

```

Output



b) Display vacation in a calendar control

Code

Webform3.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm3.aspx.cs"
Inherits="practical3.WebForm3" %>

<!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="Black" BorderStyle="Solid" CellSpacing="1" Font-Names="Verdana" Font-Size="9pt"
                ForeColor="Black" Height="250px" NextPrevFormat="ShortMonth" ondayrender="Calendar1_DayRender"
                onselectionchanged="Calendar1_SelectionChanged" Width="330px"> <DayHeaderStyle Font-Bold="True" Font-
                Size="8pt" ForeColor="#333333" Height="8pt" />
                <DayStyle BackColor="#CCCCCC" />
                <NextPrevStyle Font-Bold="True" Font-Size="8pt" ForeColor="White" /> <OtherMonthDayStyle
                ForeColor="#999999" />

```

```

<SelectedDayStyle BackColor="#333399" ForeColor="White" />
<TitleStyle BackColor="#333399" BorderStyle="Solid" Font-Bold="True" Font-Size="12pt" ForeColor="White"
Height="12pt" />
<TodayDayStyle BackColor="#999999" ForeColor="White" />
</asp:Calendar>

</div>
</form>
</body>
</html>

```

Webform3.aspx.cs

```

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

namespace practical3
{
    public partial class WebForm3 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

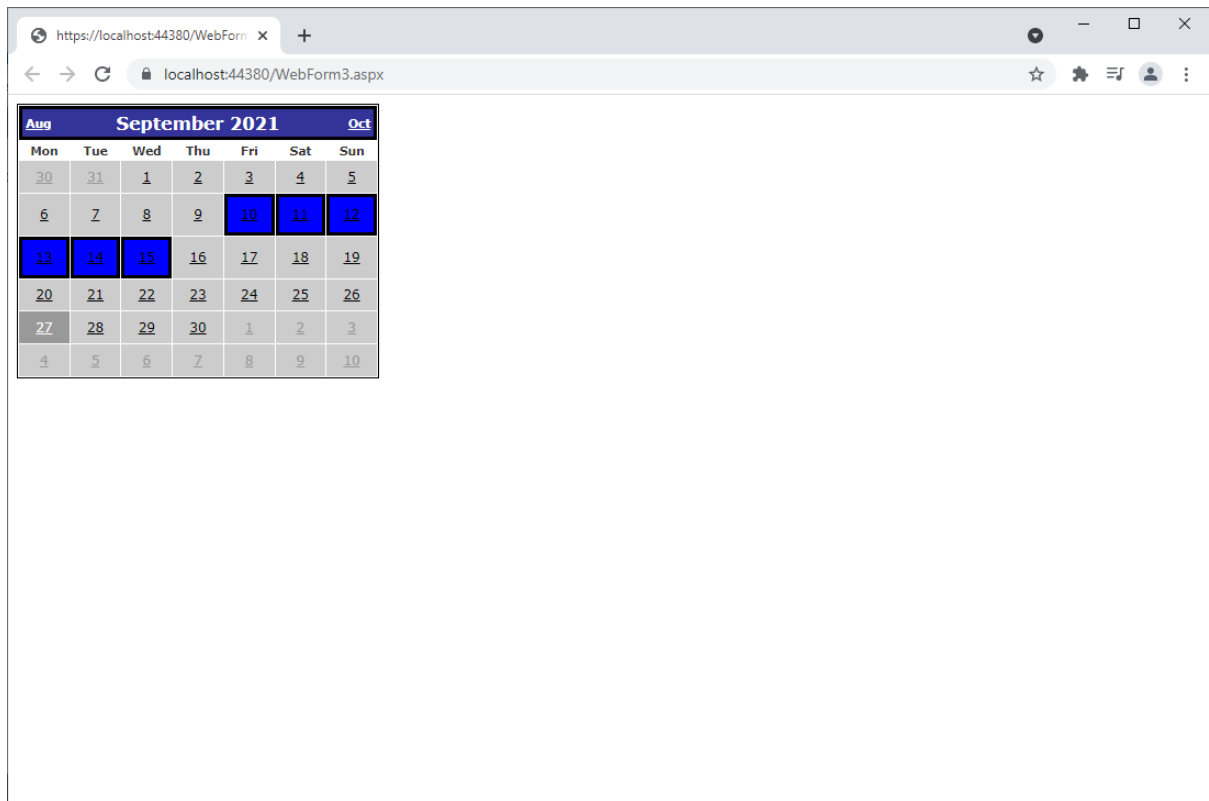
        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {

        }

        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            {
                if ((e.Day.Date >= new DateTime(2021, 09, 10)) && (e.Day.Date <= new DateTime(2021, 09, 15)))
                {
                    e.Cell.BackColor = System.Drawing.Color.Blue;
                    e.Cell.BorderColor = System.Drawing.Color.Black;
                    e.Cell.BorderWidth = new Unit(3);
                }
            }
        }
    }
}

```

Output



c) Selected day in a calendar control using style

Code

Webform4.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs"
Inherits="practical3.WebForm4" %>

<!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="Black" BorderStyle="Solid" CellSpacing="1" Font-Names="Verdana" Font-Size="9pt"
ForeColor="Black" Height="250px" NextPrevFormat="ShortMonth" ondayrender="Calendar1_DayRender"
onselectionchanged="Calendar1_SelectionChanged" Width="330px"> <DayHeaderStyle Font-Bold="True" Font-
Size="8pt" ForeColor="#333333" Height="8pt" />
<DayStyle BackColor="#CCCCCC" />
<NextPrevStyle Font-Bold="True" Font-Size="8pt" ForeColor="White" /> <OtherMonthDayStyle
ForeColor="#999999" />
<SelectedDayStyle BackColor="#333399" ForeColor="White" />
<TitleStyle BackColor="#333399" BorderStyle="Solid" Font-Bold="True" Font-Size="12pt" ForeColor="White"
Height="12pt" />
<TodayDayStyle BackColor="#999999" ForeColor="White" />
</asp:Calendar>

</div>
</form>
</body>
```

</html>

Webform.aspx.cs

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

namespace practical3
{
    public partial class WebForm4 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

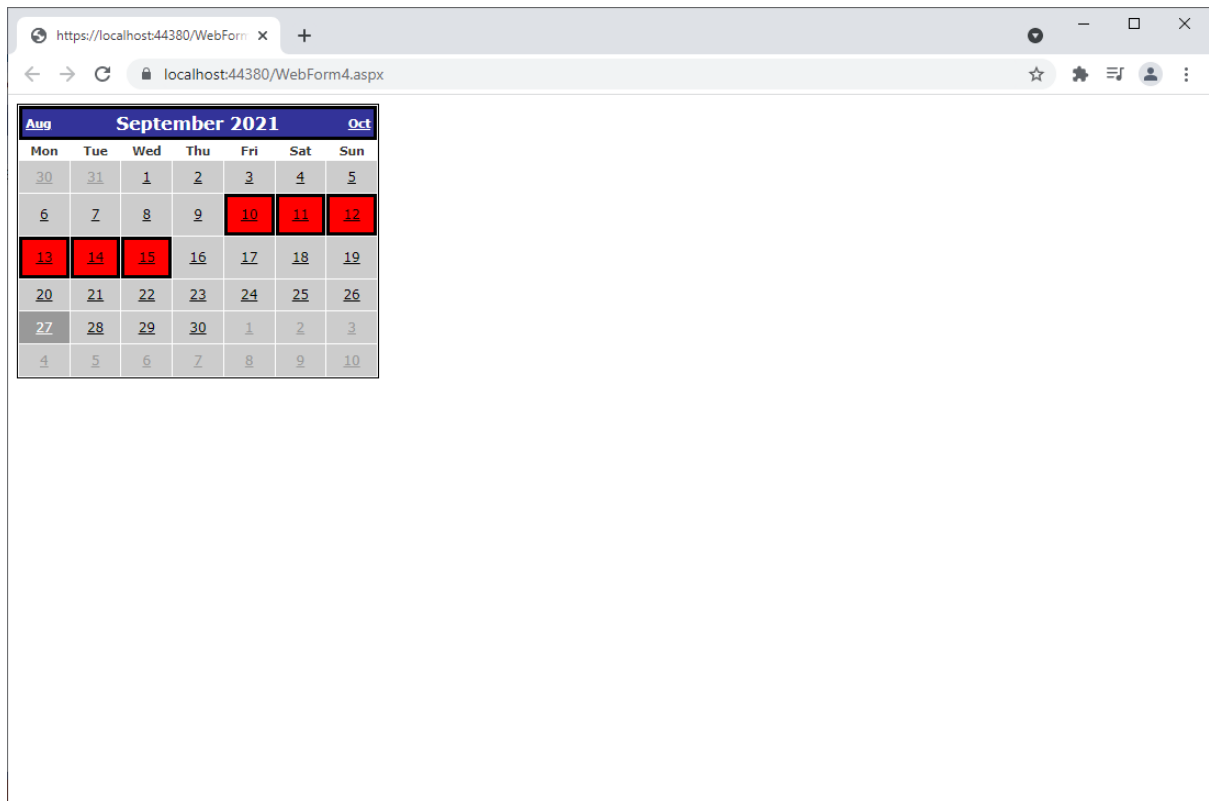
        }

        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {

        }

        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            {
                if ((e.Day.Date >= new DateTime(2021, 09, 10)) && (e.Day.Date <= new DateTime(2021, 09, 15)))
                {
                    e.Cell.BackColor = System.Drawing.Color.Red;
                    e.Cell.BorderColor = System.Drawing.Color.Black;
                    e.Cell.BorderWidth = new Unit(3);
                }
            }
        }
    }
}
```

Output



d) Difference between two calendar dates

Code

Webform5.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm5.aspx.cs"
Inherits="practical3.WebForm5" %>

<!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"></asp:Calendar> <br />
      <asp:Calendar ID="Calendar2" runat="server"></asp:Calendar> <br />
      <asp:Label ID="Label1" runat="server" Text="No Of Days is: "></asp:Label>
      <asp:Button ID="Button1" runat="server" Text="Button" onclick="Button1_Click" />
    </div>
  </form>
</body>
</html>
```

Webform5.aspx.cs

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

```

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

namespace practical3
{
    public partial class WebForm5 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

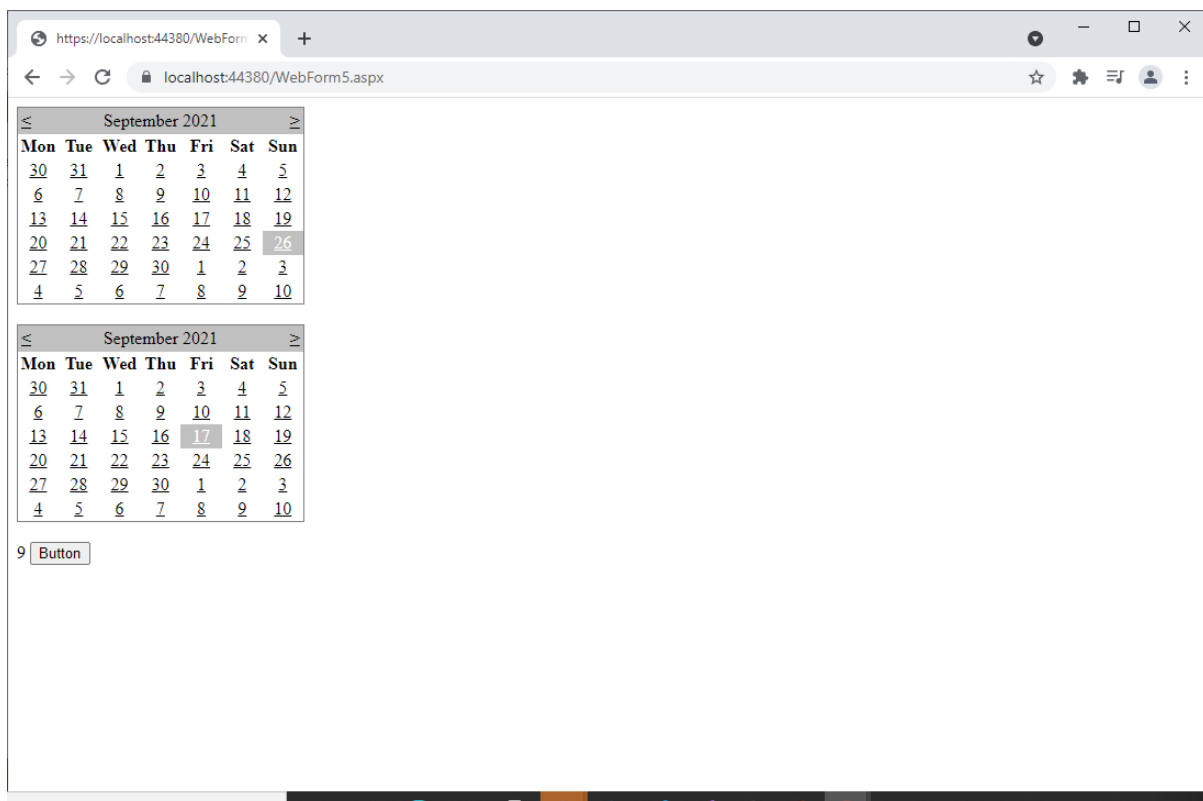
        protected void Calendar1_SelectionChanged(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            TimeSpan t = Calendar1.SelectedDate - Calendar2.SelectedDate;
            Label1.Text = t.Days.ToString();
        }
    }
}

```

Output



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
SECOND HALF 2018

Advanced Web Programming (USIT5P3)

Seat No. : _____

Max. Marks: 50

1.	Create a web applications to demonstrate Form Security and Windows Security with proper Authentication and Authorization properties.	20
2.	Create a web application to demonstrate GridView paging and Creating own table format using GridView.	20
3.	Viva	5
4.	Journal	5

1)

2)

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm13.aspx.cs"
Inherits="Unit4.WebForm13" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<div>
```

```
</div>
```

```
<asp:GridView ID="GridView1" runat="server" AllowPaging="True" AutoGenerateColumns="False"
BackColor="White" BorderColor="#CC9966" BorderStyle="None" BorderWidth="1px" CellPadding="4"
DataSourceID="SqlDataSource1" PageSize="3">
```

```
<Columns>
```

```
<asp:BoundField DataField="Id" HeaderText="Id" SortExpression="Id" />
```

```
<asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />
```

```
<asp:BoundField DataField="Phone" HeaderText="Phone" SortExpression="Phone" />
```

```
</Columns>
```

```
<FooterStyle BackColor="#FFFFCC" ForeColor="#330099" />
```

```
<HeaderStyle BackColor="#990000" Font-Bold="True" ForeColor="#FFFFCC" />
```

```
<PagerStyle BackColor="#FFFFCC" ForeColor="#330099" HorizontalAlign="Center" />
```

```
<RowStyle BackColor="White" ForeColor="#330099" />
```

```
<SelectedRowStyle BackColor="#FFCC66" Font-Bold="True" ForeColor="#663399" />
```

```
<SortedAscendingCellStyle BackColor="#F6F6CE" />
```

```
<SortedAscendingHeaderStyle BackColor="#AF0101" />
```

```
<SortedDescendingCellStyle BackColor="#F6F6CE" />
```

```
<SortedDescendingHeaderStyle BackColor="#7E0000" />
```

```
</asp:GridView>
```

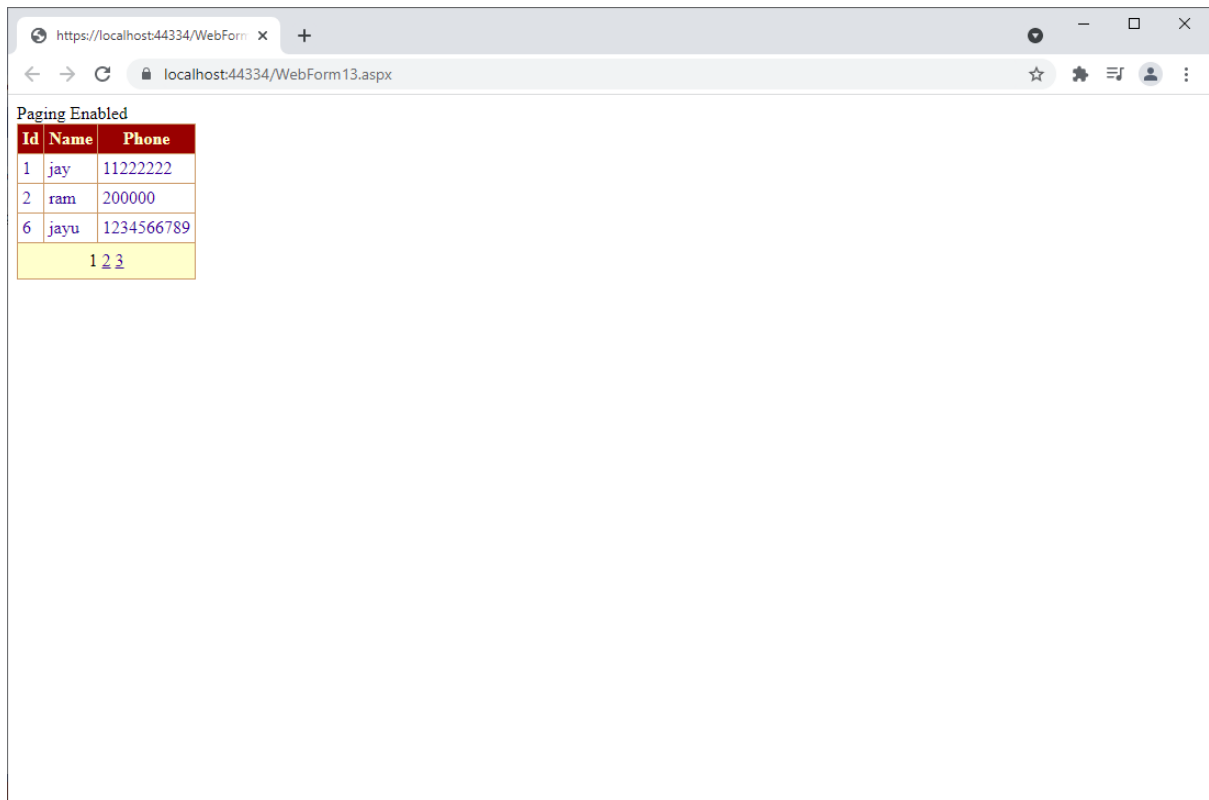
```
<asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%"$
ConnectionStrings:ConnectionString" %>" SelectCommand="SELECT * FROM [demo]"></asp:SqlDataSource>
```

```
</form>
```

```
</body>
```

```
</html>
```

Output



UNIVERSITY OF MUMBAI		
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION		
SECOND HALF 2018		
Advanced Web Programming (USIT5P3)		
Seat No. : _____		Max. Marks: 50
1.	Write an Application to: 1. Generate Fibonacci series 2. Test for prime numbers 3. Test for vowels 4. Reverse a number	20
2.	Create a table with records and retrieve those using Disconnected data access in a Gridview.	20
3.	Viva	5
4.	Journal	5

[i] Fibonacci Series

```
using System;
class Program
{
    static void Main(string[] args)
    {
        int n1=0,n2=1,n3,i,number;
        Console.Write("Enter the number of elements: ");
        number = int.Parse(Console.ReadLine());
```

```

        Console.Write(n1+" "+n2+" ");
        for(i=2;i<number;++i)
        {
            n3=n1+n2;
            Console.Write(n3+" ");
            n1=n2;
            n2=n3;
        }
    }
}

```

Output

```

D:\>demo
Enter the Limit : 5
0
1
1
2
3
5
8
13
^C
D:\>csc demo.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

D:\>demo
Enter the number of elements: 5
0 1 1 2 3
D:\>

```

[ii] Test for prime numbers.

Code

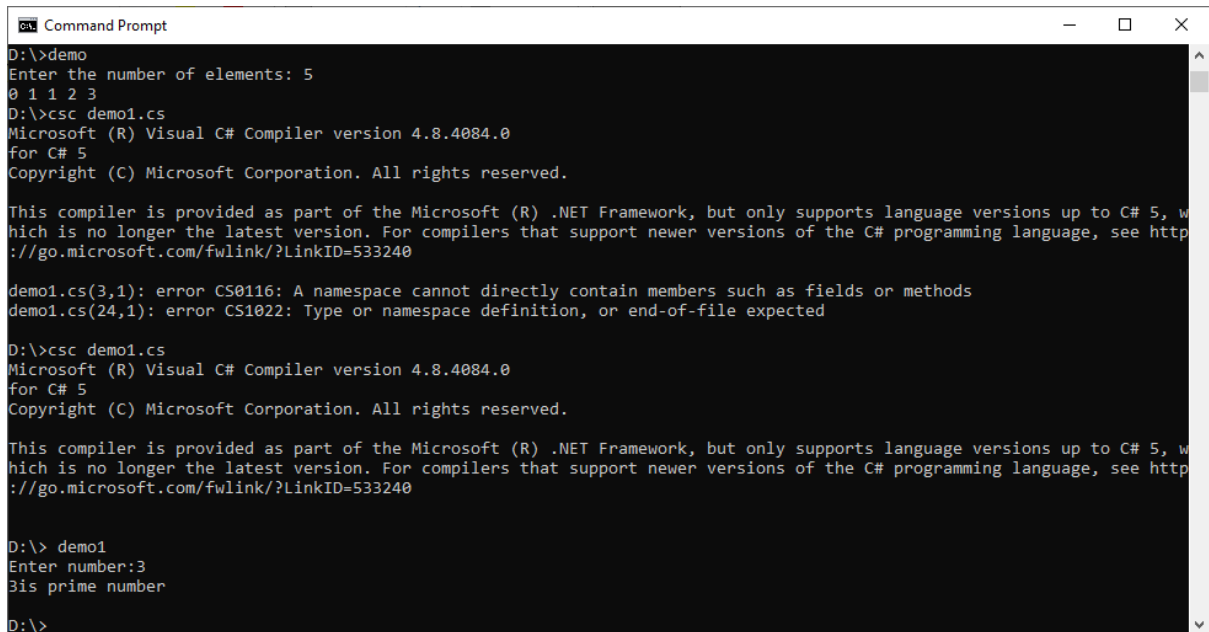
```

using System;
namespace testprime
{
    class Program
    {
        static void Main(string[] args)
        {
            int num, counter;
            Console.Write("Enter number:");
            num = int.Parse(Console.ReadLine());
            for (counter = 2; counter <= num / 2; counter++)
            {
                if ((num % counter) == 0)
                {
                    break;
                }
            }
            if (num == 1)
            {
                Console.WriteLine(num + "is neither prime nor composite");
            }
            else if(counter<(num/2))
            {
                Console.WriteLine(num+"is not prime number");
            }
            else
            {
                Console.WriteLine(num+"is prime number");
            }
        }
    }
}

```

```
}
```

Output



```
Command Prompt
D:\>demo
Enter the number of elements: 5
0 1 1 2 3
D:\>csc demo1.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

demo1.cs(3,1): error CS0116: A namespace cannot directly contain members such as fields or methods
demo1.cs(24,1): error CS1022: Type or namespace definition, or end-of-file expected

D:\>csc demo1.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

D:\> demo1
Enter number:3
3 is prime number

D:\>
```

[iii] Test for vowels.

Code

```
using System;

namespace vowels
{
    class Program
    {
        static void Main(string[] args)
        {
            char ch;

            Console.Write("Enter a character : ");

            ch = (char)Console.Read();

            switch (ch)
            {
                case 'a':

                case 'A':

                case 'e':
```

```

        case 'E':

        case 'I':

        case 'T':

        case 'o':

        case 'O':

        case 'u':

        case 'U':

        Console.WriteLine(ch + "is vowel");

        break;

        default:

        Console.Write(ch + "is not a vowel");

        break;

    }

    Console.ReadKey();

}

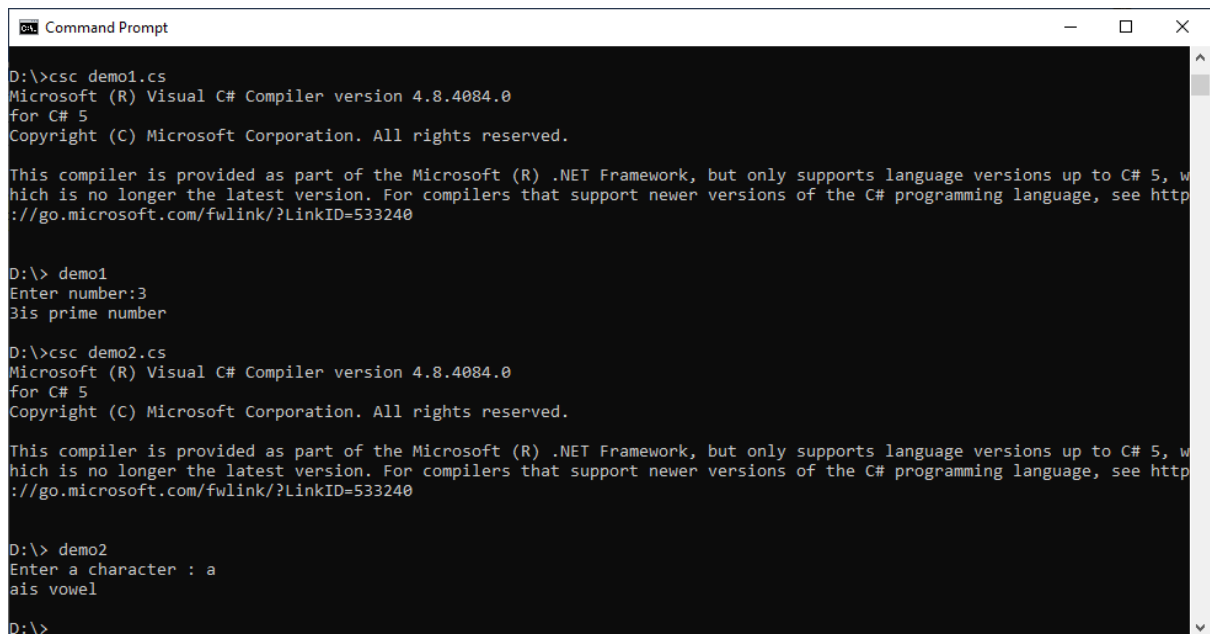
}

}

}

```

Output



```

D:\>csc demo1.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

D:\> demo1
Enter number:3
3is prime number

D:\>csc demo2.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

D:\> demo2
Enter a character : a
ais vowel

D:\>

```

[v] Reverse a number and find sum of digits of a number.

Code

```

using System;

namespace reverseNumber
{

class Program
{
static void Main(string[] args)
{
    int num,actualnumber,revnum=0,digit,sumDigits=0;
    Console.Write("Enter number:");
    num = int.Parse(Console.ReadLine());
    actualnumber = num;
    while (num > 0)
    {
        digit = num % 10;
        revnum = revnum * 10 + digit;
        sumDigits=sumDigits+digit;
        num = num / 10;
    }

    Console.WriteLine("Reverse of " + actualnumber + "=" + revnum);
    Console.WriteLine("Sum of its digits:" + sumDigits);
}
}
}

```

Output


```
Command Prompt
DX
D:\>csc demo4.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

demo4.cs(3,1): error CS0116: A namespace cannot directly contain members such as fields or methods
demo4.cs(21,55): error CS1022: Type or namespace definition, or end-of-file expected

D:\>csc demo4.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5, which is no longer the latest version. For compilers that support newer versions of the C# programming language, see http://go.microsoft.com/fwlink/?LinkID=533240

D:\> demo4
Enter number:12
Reverse of 12=21
Sum of its digits:3
D:\>
```

2)

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"
Inherits="slip1.WebForm2" %>

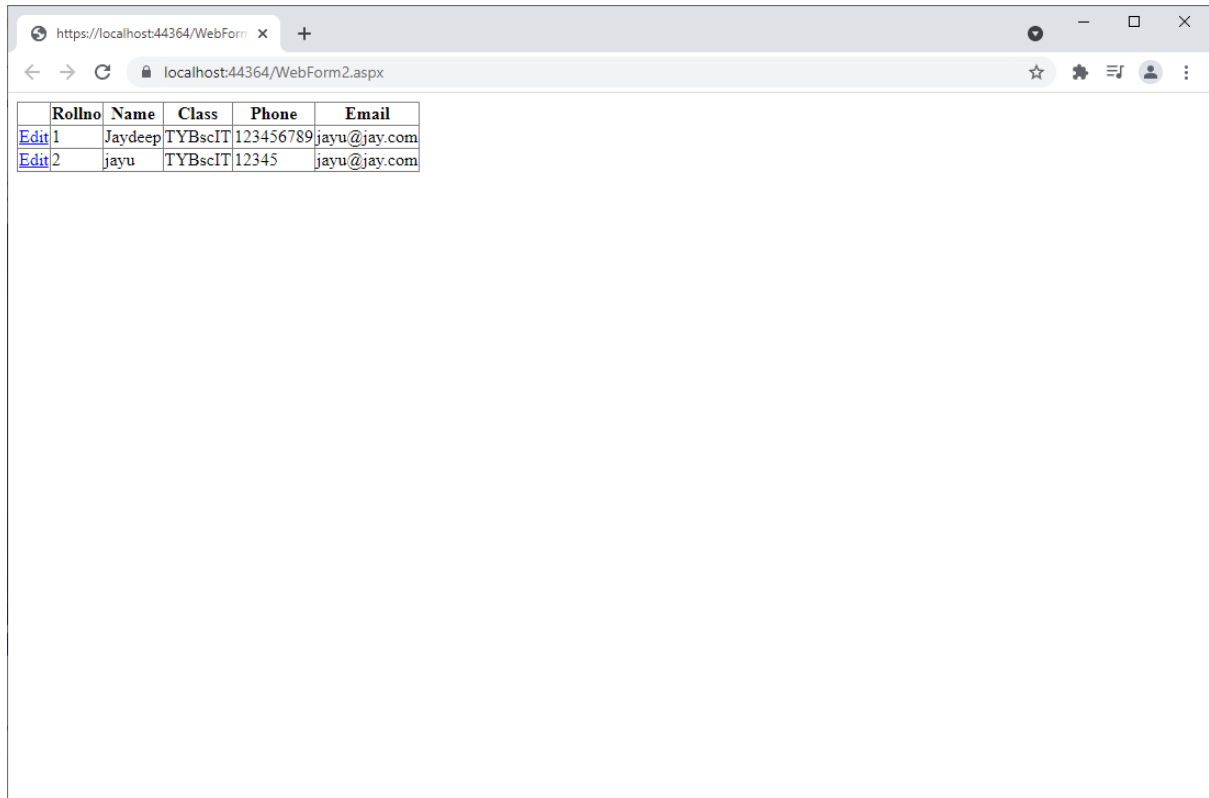
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        </div>
        <asp:GridView ID="GridView1" runat="server" AllowPaging="True" AutoGenerateColumns="False"
DataKeyNames="Rollno" DataSourceID="SqlDataSource1">
            <Columns>
                <asp:CommandField ShowEditButton="True" />
                <asp:BoundField DataField="Rollno" HeaderText="Rollno" ReadOnly="True" SortExpression="Rollno" />
                <asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />
                <asp:BoundField DataField="Class" HeaderText="Class" SortExpression="Class" />
                <asp:BoundField DataField="Phone" HeaderText="Phone" SortExpression="Phone" />
                <asp:BoundField DataField="Email" HeaderText="Email" SortExpression="Email" />
            </Columns>
        </asp:GridView>
        <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%$
ConnectionStrings:ConnectionString %>" DeleteCommand="DELETE FROM [demo] WHERE [Rollno] = @Rollno"
InsertCommand="INSERT INTO [demo] ([Rollno], [Name], [Class], [Phone], [Email]) VALUES (@Rollno,
@Name, @Class, @Phone, @Email)" SelectCommand="SELECT * FROM [demo]" UpdateCommand="UPDATE
[demo] SET [Name] = @Name, [Class] = @Class, [Phone] = @Phone, [Email] = @Email WHERE [Rollno] =
@Rollno">
            <DeleteParameters>
                <asp:Parameter Name="Rollno" Type="Int32" />
            </DeleteParameters>
            <InsertParameters>
                <asp:Parameter Name="Rollno" Type="Int32" />
                <asp:Parameter Name="Name" Type="String" />
                <asp:Parameter Name="Class" Type="String" />
                <asp:Parameter Name="Phone" Type="Int32" />
                <asp:Parameter Name="Email" Type="String" />
            </InsertParameters>
        </asp:SqlDataSource>
    </form>
</body>
</html>
```

```

</InsertParameters>
<UpdateParameters>
  <asp:Parameter Name="Name" Type="String" />
  <asp:Parameter Name="Class" Type="String" />
  <asp:Parameter Name="Phone" Type="Int32" />
  <asp:Parameter Name="Email" Type="String" />
  <asp:Parameter Name="Rollno" Type="Int32" />
</UpdateParameters>
</asp:SqlDataSource>
</form>
</body>
</html>
Op

```



UNIVERSITY OF MUMBAI
 T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
 SECOND HALF 2018
Advanced Web Programming (USIT5P3)
 Seat No. : _____ **Max. Marks: 50**

1.	Write a program in C# to demonstrate multiple inheritance using interfaces.	20
2.	Create a table with records and retrieve those using Disconnected data access in a Gridview.	20
3.	Viva	5
4.	Journal	5

1)

using System;

```

namespace MultipleInheritApplication
{
    interface calc1
    {
        int add(int a, int b);
    }
    interface calc2
    {
        int sub(int x, int y);
    }
    interface calc3
    {
        int mul(int r, int s);
    }
    interface calc4
    {
        int div(int c, int d);
    }
    class Calculation : calc1, calc2, calc3, calc4
    {
        public int result1;
        public int add(int a, int b)
        {
            return result1 = a + b;
        }
        public int result2;
        public int sub(int x, int y)
        {
            return result2 = x - y;
        }
        public int result3;
    }
}

```

```

public int mul(int r, int s)
{
    return result3 = r * s;
}

public int result4;

public int div(int c, int d)
{
    return result4 = c / d;
}

class Program
{
    static void Main(string[] args)
    {
        Calculation c = new Calculation();
        c.add(8, 2);
        c.sub(20, 10);
        c.mul(5, 2);
        c.div(20, 10);
        Console.WriteLine("Multiple Inheritance concept Using Interfaces :\n ");
        Console.WriteLine("Addition: " + c.result1);
        Console.WriteLine("Substraction: " + c.result2);
        Console.WriteLine("Multiplication : " + c.result3);
        Console.WriteLine("Division: " + c.result4);
        //Console.ReadKey();
    }
}

```

```

Command Prompt
Microsoft Windows [Version 10.0.19042.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\mengw>d:

D:\>csc interfacemulti.cs
Microsoft (R) Visual C# Compiler version 4.8.4084.0
for C# 5
Copyright (C) Microsoft Corporation. All rights reserved.

This compiler is provided as part of the Microsoft (R) .NET Framework, but only supports language versions up to C# 5,
which is no longer the latest version. For compilers that support newer versions of the C# programming language, see ht
://go.microsoft.com/fwlink/?LinkID=533240

D:\> interfacemulti
Multiple Inheritance concept Using Interfaces :

Addition: 10
Substraction: 10
Multiplication :10
Division: 2

D:\>

```

2)

Same as 12 slip question 2

Seat No. : _____		Max. Marks: 50
1.	Create a simple web page with various sever controls to demonstrate setting and use of their properties. (Example : AutoPostBack) 1. On click of a button control display the selected items from the listbox in a textbox. Also in the same webpage display the name of the selected item from the DropDownList1 in a label. Also change the font size of the same label according to the font size selected from the Dropdownlist2. 2. Display Image control for photo. 3. Check Boxes provides special formatting (viz. underline, bold, italic) and Radio Buttons provides color for label. 4. Use of AutoPostBack property.	20
2.	Create a simple web page to count the number of times the current webpage is submitted to the server onclick event of a Button.	20
3.	Viva	5
4.	Journal	5

1)

```

<%@ Page Language="C#" AutoEventWireup="true" MaintainScrollPositionOnPostBack="true"
CodeBehind="WebForm3.aspx.cs" Inherits="slip1.WebForm3" %>

```

```

<!DOCTYPE html>

```

```

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <asp:ListBox ID="ListBox1" runat="server">
        <asp:ListItem>item1</asp:ListItem>

```

```

        <asp:ListItem>item2</asp:ListItem>
        <asp:ListItem>item3</asp:ListItem>
        <asp:ListItem>item4</asp:ListItem>
        <asp:ListItem>item5</asp:ListItem>
    </asp:ListBox>
</div>
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
<p>
    <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged">
        <asp:ListItem>item1</asp:ListItem>
        <asp:ListItem>item2</asp:ListItem>
        <asp:ListItem>item3</asp:ListItem>
        <asp:ListItem>item4</asp:ListItem>
        <asp:ListItem>item5</asp:ListItem>
    </asp:DropDownList>
</p>
<p>
    <asp:Label ID="Label1" runat="server"></asp:Label>
</p>
<p>
    <asp:DropDownList ID="DropDownList2" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="DropDownList2_SelectedIndexChanged">
        <asp:ListItem>10</asp:ListItem>
        <asp:ListItem>11</asp:ListItem>
        <asp:ListItem>12</asp:ListItem>
        <asp:ListItem>13</asp:ListItem>
        <asp:ListItem>20</asp:ListItem>
    </asp:DropDownList>
</p>
<p>
    <asp:Image ID="Image1" runat="server" Height="250px" ImageUrl="~/Shinchan.jpg" Width="200px" />
</p>
<br />
<p>
    <asp:Label ID="Label2" runat="server" Text="Hello"></asp:Label>
</p>
<p>
    <asp:CheckBox ID="Underline" runat="server" AutoPostBack="True"
OnCheckedChanged="Underline_CheckedChanged" Text="Underline" />
    <asp:CheckBox ID="Bold" runat="server" AutoPostBack="True"
OnCheckedChanged="Bold_CheckedChanged" Text="Bold"/>
    <asp:CheckBox ID="Italic" runat="server" AutoPostBack="True"
OnCheckedChanged="Italic_CheckedChanged" Text="Italic"/>
</p>
<p>
    <asp:RadioButton ID="Red" runat="server" Text="Red" AutoPostBack="True"
OnCheckedChanged="Red_CheckedChanged" />
    <asp:RadioButton ID="Green" runat="server" Text="Green" AutoPostBack="True" GroupName="color"
OnCheckedChanged="Green_CheckedChanged"/>
</p>
</form>
</body>
</html>

```

Aspx.cs

```

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

```

```

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

namespace slip1
{
    public partial class WebForm3 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            TextBox1.Text = ListBox1.SelectedValue.ToString();
        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
        {
            Label1.Text = DropDownList1.SelectedValue.ToString();
        }

        protected void DropDownList2_SelectedIndexChanged(object sender, EventArgs e)
        {
            Label1.Font.Size = Convert.ToInt32(DropDownList2.SelectedValue);
        }

        protected void Underline_CheckedChanged(object sender, EventArgs e)
        {
            if (Underline.Checked)
            {
                Label2.Font.Underline = true;
            }
            else
            {
                Label2.Font.Underline = false;
            }
        }

        protected void Bold_CheckedChanged(object sender, EventArgs e)
        {
            if (Bold.Checked)
            {
                Label2.Font.Bold = true;
            }
            else
            {
                Label2.Font.Bold = false;
            }
        }

        protected void Italic_CheckedChanged(object sender, EventArgs e)
        {
            if (Italic.Checked)
            {
                Label2.Font.Italic = true;
            }
            else
            {
                Label2.Font.Italic = false;
            }
        }
    }
}

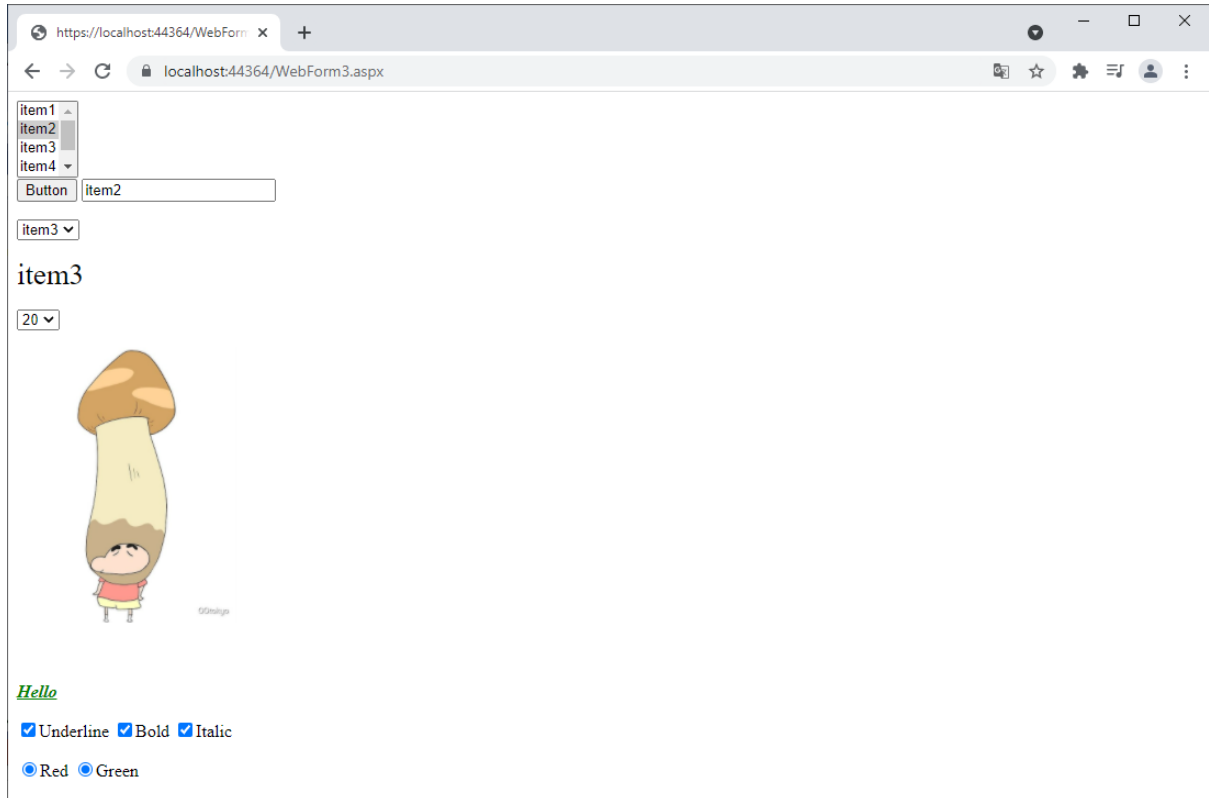
```

```

protected void Red_CheckedChanged(object sender, EventArgs e)
{
    Label2.ForeColor = System.Drawing.Color.Red;
}

protected void Green_CheckedChanged(object sender, EventArgs e)
{
    Label2.ForeColor = System.Drawing.Color.Green;
}
}

```



2)

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm4.aspx.cs"
Inherits="slip1.WebForm4" %>

<!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"></asp:Label>
        </div>
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
    </form>
</body>
</html>
.cs

```



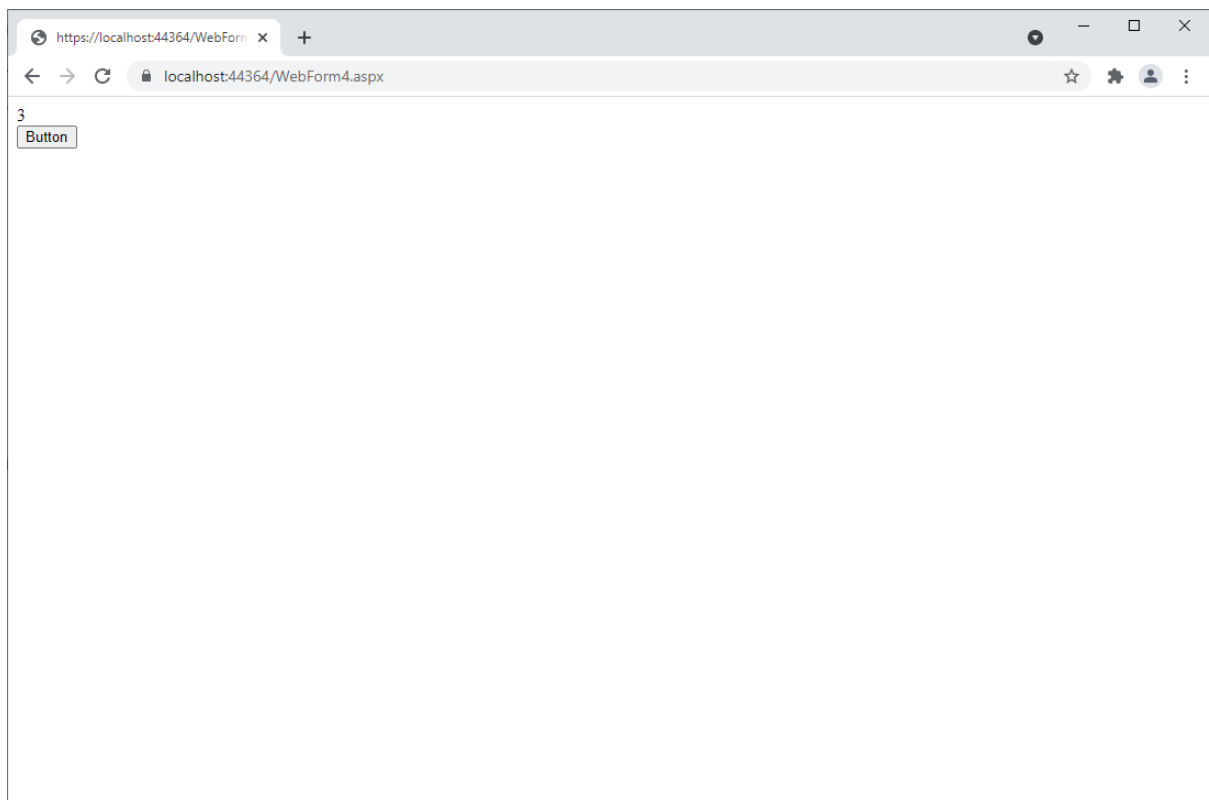
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace slip1
{
    public partial class WebForm4 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            ViewState["x"] = Convert.ToInt32(ViewState["x"]) + 1;
            Label1.Text = ViewState["x"].ToString();
        }
    }
}
```

Op



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
SECOND HALF 2018

Advanced Web Programming (USIT5P3)

Seat No. : _____

Max. Marks: 50

1.	Create Web Form to demonstrate use of User Control. Create footer named user control having copyright reserved (ex. "©company name") and use it in a webpage.	20
2.	Create Web Form to demonstrate use of Ad rotator Control with five advertisements. Also demonstrate how keyword filter works.	20
3.	Viva	5
4.	Journal	5

1)

Webform.ascx

```
<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="WebUserController1.ascx.cs"
Inherits="slip1.WebUserController1" %>
<div style="border: medium solid #FFCCFF">
    ©Copyright Jaydeep Mengwal
</div>
```

Webform.aspx

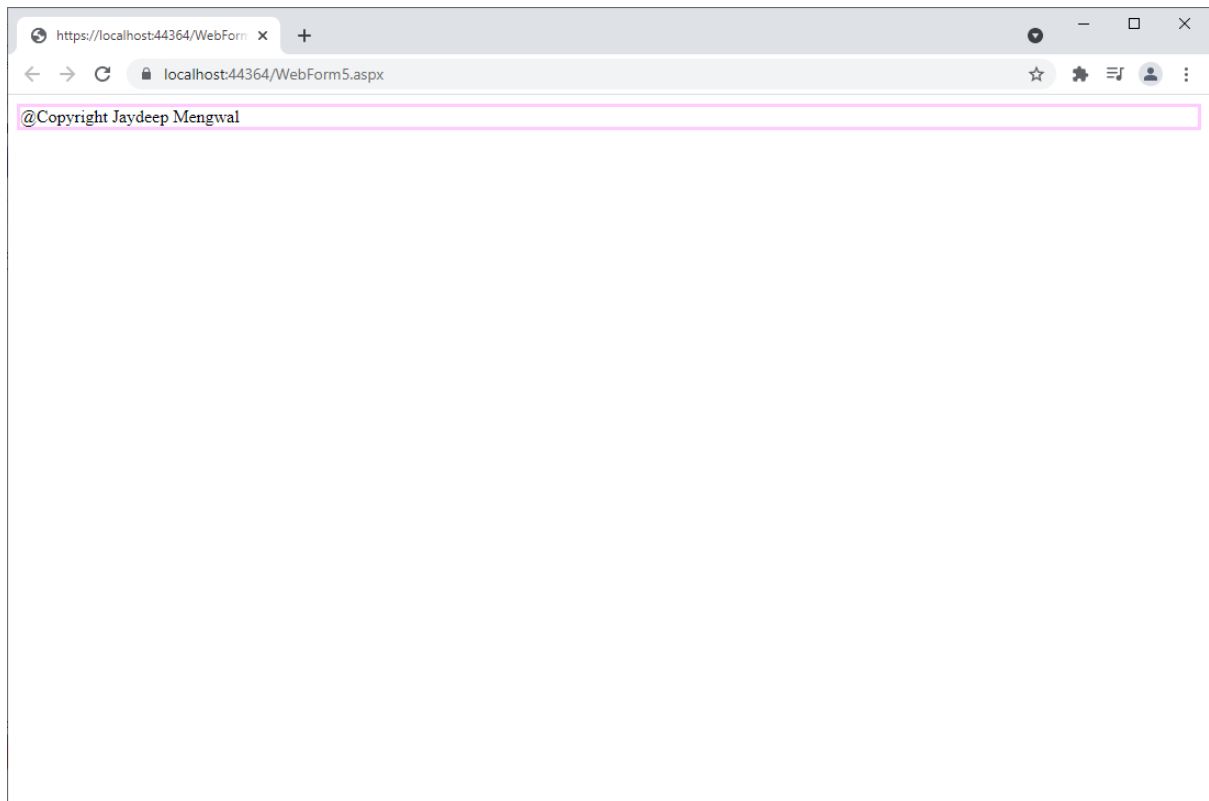
```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm5.aspx.cs"
Inherits="slip1.WebForm5" %>

<%@ Register src="WebUserController1.ascx" tagName="WebUserController1" tagprefix="uc1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <uc1:WebUserController1 ID="WebUserController11" runat="server" />
        </div>
    </form>
</body>
</html>
```

Op



2)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm6.aspx.cs"
Inherits="slip1.WebForm6" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <asp:AdRotator ID="AdRotator1" runat="server" AdvertisementFile="~/XMLFile1.xml"
KeywordFilter="first" />
    </div>
  </form>
</body>
</html>
```

Xml file

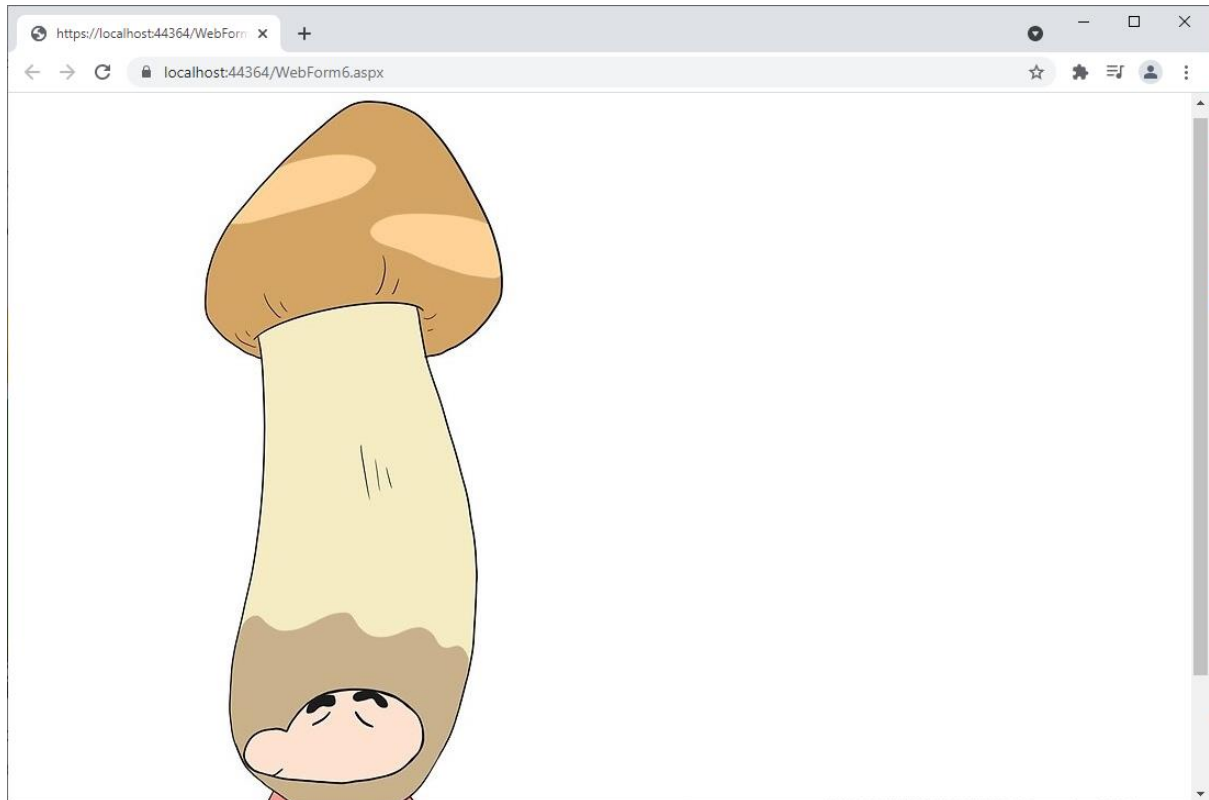
```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
  <Ad>
    <Keyword>first</Keyword>
    <ImageUrl>~/Shinchan.jpg</ImageUrl>
    <width>300</width>
    <height>300</height>
```

```

</Ad>
<Ad>
    <Keyword>first</Keyword>
    <ImageUrl>~/demo.jpg</ImageUrl>
    <width>300</width>
    <height>300</height>
</Ad>
</Advertisements>

```

Op



1.	Create XML file employees with nodes (eid, ename, edept, salary). Bind the eid and ename to a dropdownlist and the ename should be in the ascending order.	20
2.	Create simple web page that takes a number as input and display it four times in a row (separated by blank spaces), and then four times in the next row, with no separation. <i>Like-</i> Enter a digit: <input type="text" value="22"/> <i>Expected Output:</i> 22 22 22 22 22222222 22 22 22 22 22222222 ...	20
3.	Viva	5
4.	Journal	5

1)

Webform

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm7.aspx.cs"
Inherits="slip1.WebForm7" %>
```

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:DropDownList ID="DropDownList1" runat="server">
                </asp:DropDownList>
            </div>
        </form>
    </body>
</html>
```

Aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
namespace slip1
{
    public partial class WebForm7 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            DataSet empds = new DataSet();
            empds.ReadXml(Server.MapPath("")+"\\XMLFile2.xml");
            empds.Tables[0].DefaultView.Sort="ename";
            DropDownList1.DataSource = empds.Tables[0];
            DropDownList1.DataTextField = "ename";
            DropDownList1.DataValueField = "eid";
            DropDownList1.DataBind();
        }
    }
}
```

Xmll file

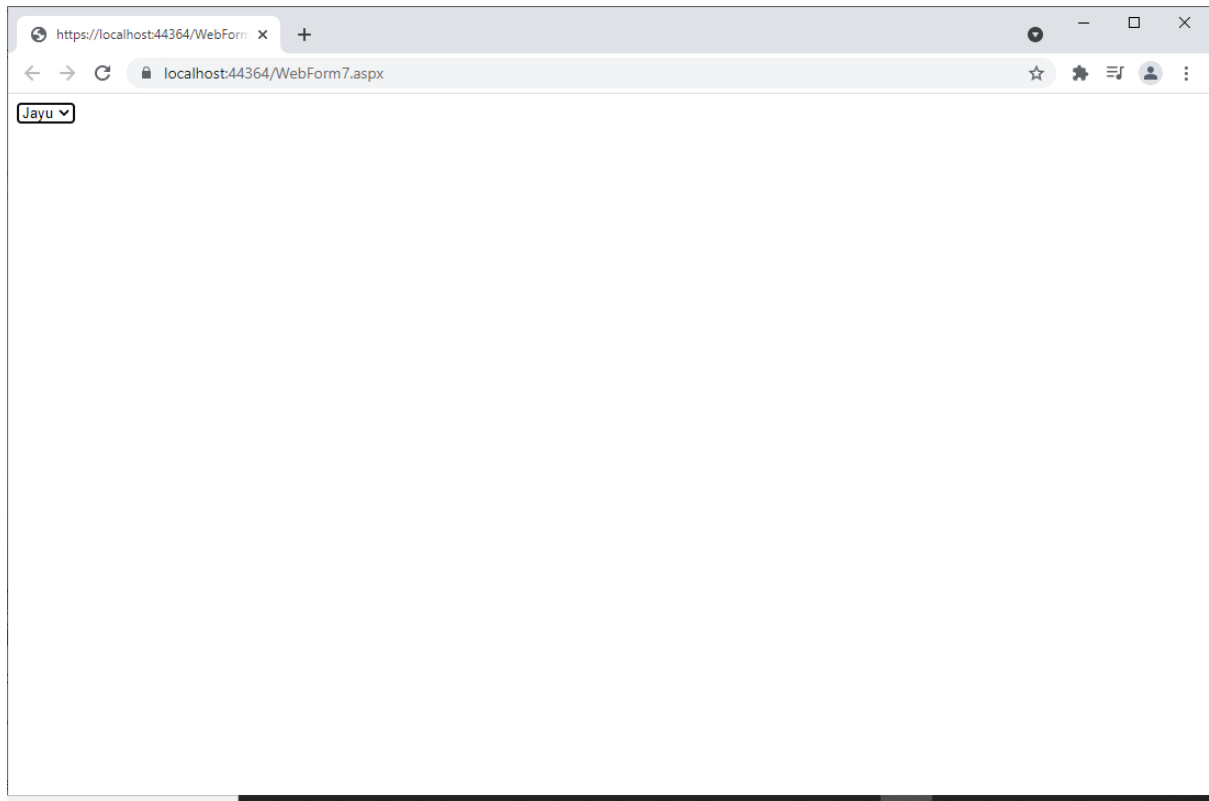
```
<?xml version="1.0" encoding="utf-8" ?>
<employees>
    <employee>
        <eid>1</eid>
        <ename>Ram</ename>
        <edept>IT</edept>
        <sal>1000</sal>
    </employee>
    <employee>
        <eid>2</eid>
        <ename>Jayu</ename>
        <edept>Testing</edept>
        <sal>5000</sal>
    </employee>
</employees>
```

```

        <eid>3</eid>
        <ename>Raju</ename>
        <edept>Developer</edept>
        <sal>6000</sal>
    </employee>
</employees>

```

Op



2)

Webform.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm8.aspx.cs"
Inherits="slip1.WebForm8" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
        </div>
        <asp:Label ID="Label1" runat="server"></asp:Label>
    </form>
</body>
</html>

```

Webform.aspx.cs

```

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

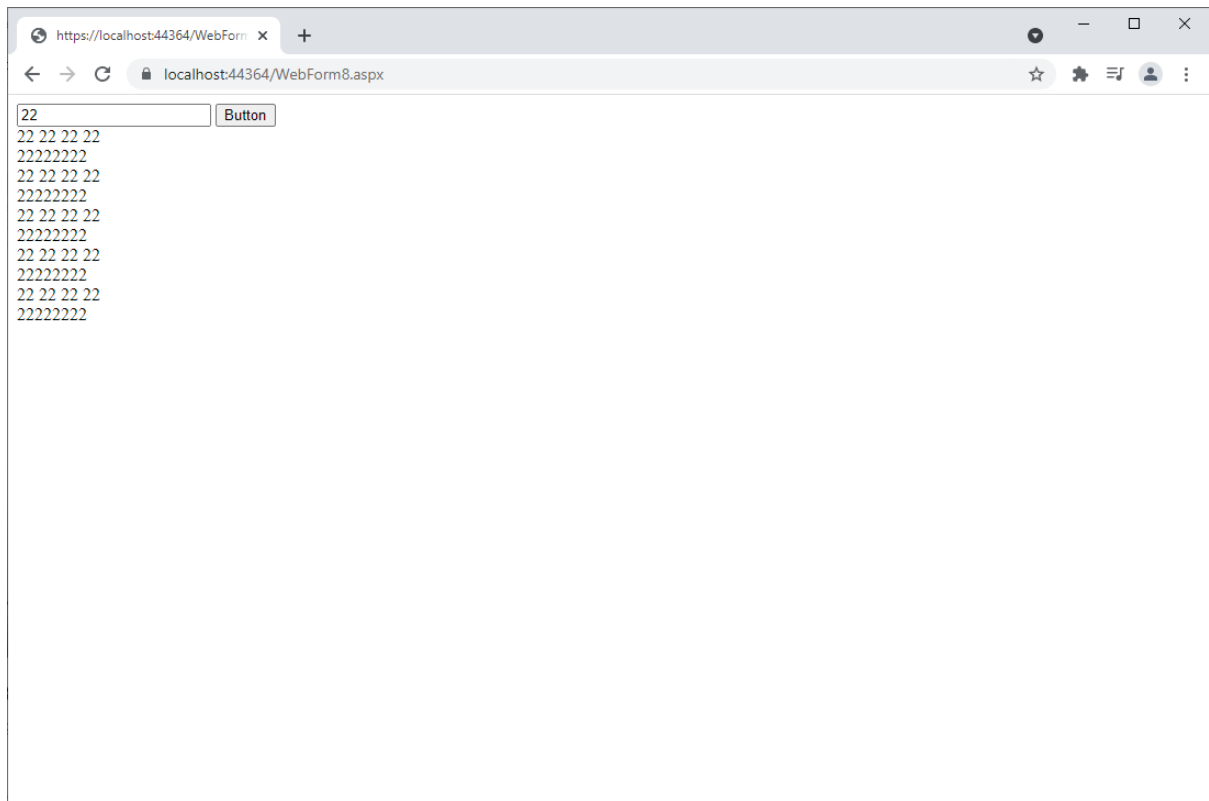
namespace slip1
{
    public partial class WebForm8 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = " ";
            int a = Convert.ToInt32(TextBox1.Text);
            for(int i = 1; i <= 10; i++)
            {
                if (i % 2==0)
                {
                    for (int j = 1; j <= 4; j++)
                    {
                        Label1.Text += a.ToString();
                    }
                    Label1.Text += "<br>";
                }
                else
                {
                    for (int j = 1; j <= 4; j++)
                    {
                        Label1.Text += a.ToString()+" ";
                    }
                    Label1.Text += "<br>";
                }
            }
        }
    }
}

```

Op



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
SECOND HALF 2018
Advanced Web Programming (USIT5P3)
Seat No. : _____ Max. Marks: 50

1.	Create a simple web page to display the Date properties (year, month, day, hour, minute, second, millisecond etc.) as well as to display the number of days of the year between two specified years.	20
2.	Create a web page containing the student details (RollNo, Name, Class, Phone, Email) and show result using Databinding and dropdownlist control.	20
3.	Viva	5
4.	Journal	5

1)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm9.aspx.cs"
Inherits="slip1.WebForm9" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```



```

        <div>
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
        </div>
    </form>
</body>
</html>

```

Webform.aspx.cs

```

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

namespace slip1
{
    public partial class WebForm9 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

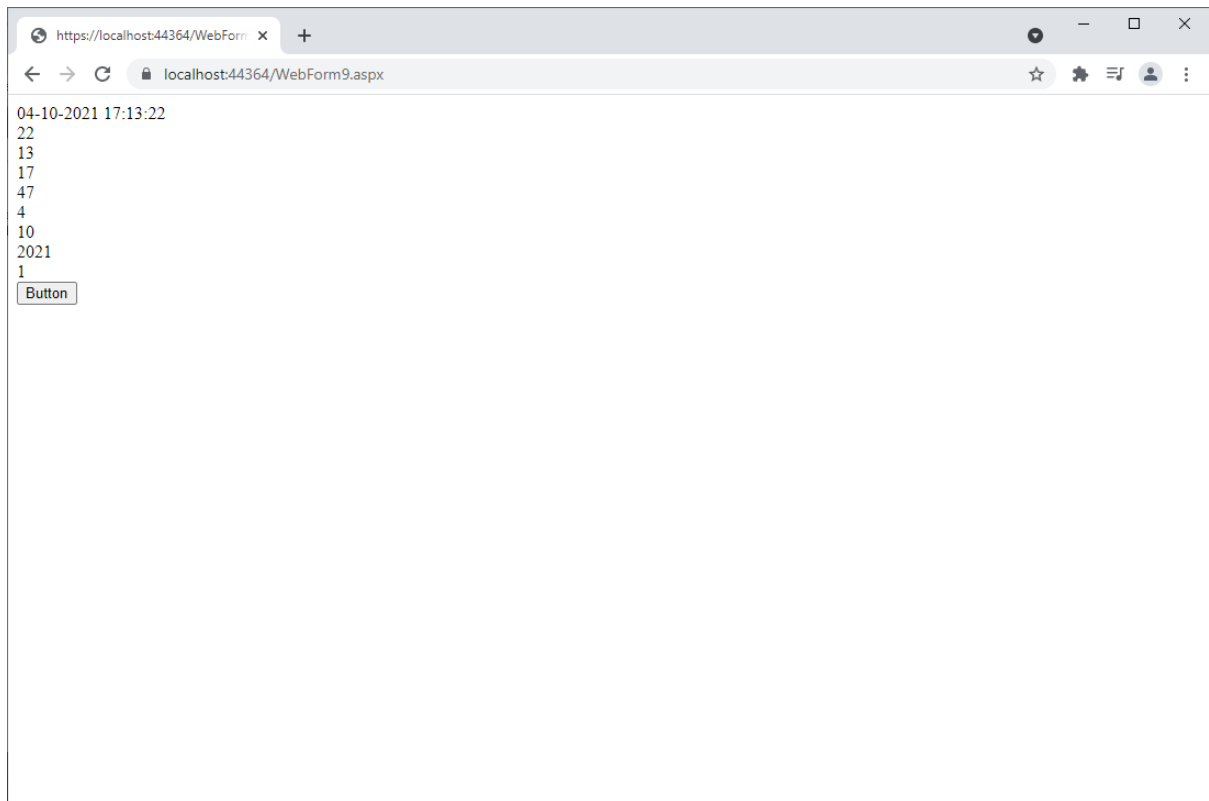
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            DateTime date = DateTime.Now;
            Response.Write(date + "<br>");
            Response.Write(date.Second + "<br>");
            Response.Write(date.Minute + "<br>");
            Response.Write(date.Hour + "<br>");
            Response.Write(date.Millisecond + "<br>");
            Response.Write(date.Day + "<br>");
            Response.Write(date.Month + "<br>");
            Response.Write(date.Year + "<br>");
            DateTime dt1 = new DateTime(2021, 10, 04);
            DateTime dt2 = new DateTime(2020, 10, 04);
            TimeSpan ts = dt1 - dt2;
            Response.Write(ts.TotalDays / 365);

        }
    }
}

```

Op



2)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm10.aspx.cs"
Inherits="slip1.WebForm10" %>
```

```
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:GridView ID="GridView1" runat="server">
            </asp:GridView>
        </div>
        <asp:DropDownList ID="DropDownList1" runat="server">
        </asp:DropDownList>
    </form>
</body>
</html>
```

Webform.aspx.cs

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

```

namespace slip1
{
    public partial class WebForm10 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            DataSet std = new DataSet();
            std.Tables.Add(new DataTable("students"));
            std.Tables["students"].Columns.Add(new DataColumn("rollno"));
            std.Tables["students"].Columns.Add(new DataColumn("name"));
            std.Tables["students"].Columns.Add(new DataColumn("class"));
            std.Tables["students"].Columns.Add(new DataColumn("phone"));
            std.Tables["students"].Columns.Add(new DataColumn("email"));

            DataRow dr = std.Tables["students"].NewRow();
            dr["rollno"] = "1";
            dr[1] = "sam";
            dr[2] = "IT";
            dr[3] = "123456789";
            dr[4] = "sam@sam.com";
            std.Tables["students"].Rows.Add(dr);
            dr = std.Tables["students"].NewRow();
            dr["rollno"] = "2";
            dr[1] = "tam";
            dr[2] = "IT";
            dr[3] = "123456789";
            dr[4] = "sam@sam.com";
            std.Tables["students"].Rows.Add(dr);

            GridView1.DataSource = std.Tables["students"];
            GridView1.DataBind();
            DropDownList1.DataSource = std.Tables["students"];
            DropDownList1.DataTextField = "name";
            DropDownList1.DataValueField = "rollno";
            DropDownList1.DataBind();
        }
    }
}

```

Op

https://localhost:44364/WebForm10.aspx

rollno	name	class	phone	email
1	sam	IT	123456789	sam@sam.com
2	tam	IT	123456789	sam@sam.com

sam ▼

1.	Create a simple web page to demonstrate all string operations.	20
2.	Design an asp.net webpage with 2 groups of Radio Buttons, DropDownList, label and TextBox to perform the following operations:- <ol style="list-style-type: none"> On click 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 same webpage show that, on selecting a country name from the dropdown list, its respective country code gets displayed in a textbox. 	20
3.	Viva	5
4.	Journal	5

1)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm11.aspx.cs"
Inherits="slip1.WebForm11" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<div>
```

```
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
```

```
</div>
```

```
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
```

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

Webform.aspx.cs

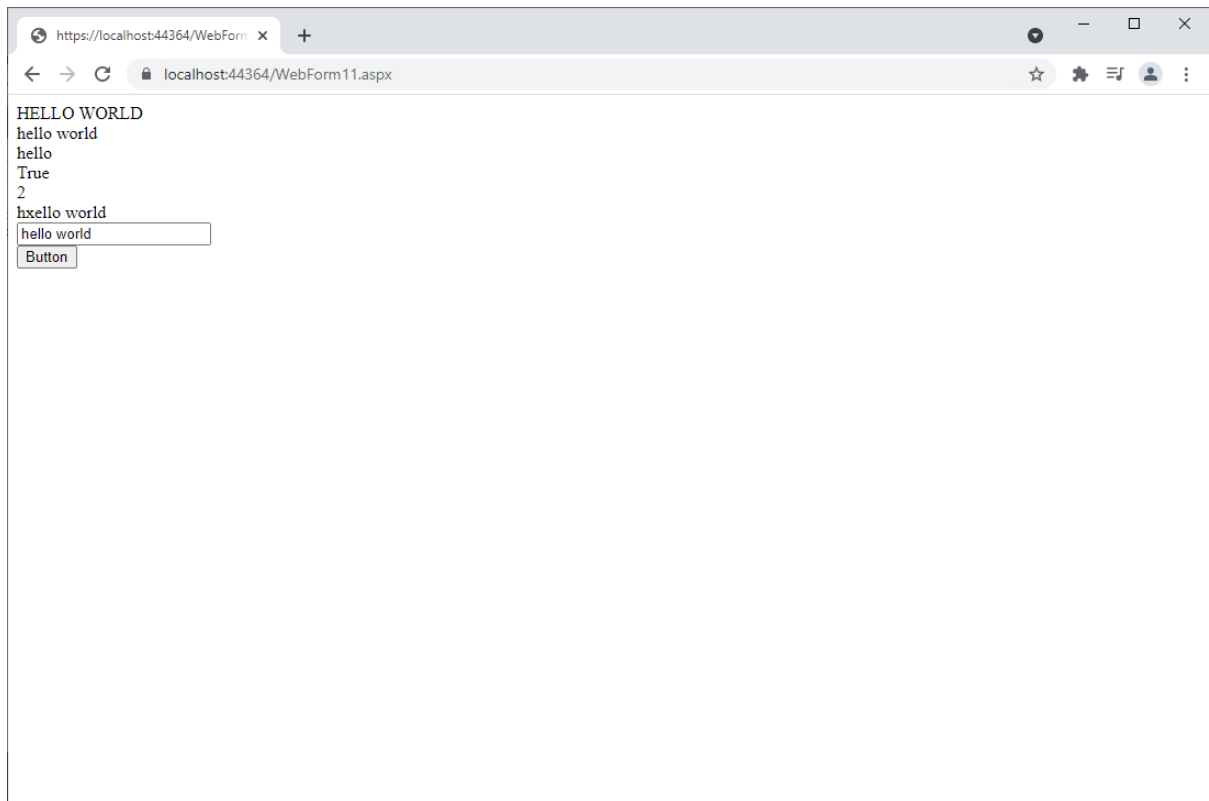
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace slip1
{
    public partial class WebForm11 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            string str = TextBox1.Text;
            Response.Write(str.ToUpper() + "<br>");
            Response.Write(str.ToLower() + "<br>");
            Response.Write(str.Substring(0,5) + "<br>");
            Response.Write(str.StartsWith("hel") + "<br>");
            Response.Write(str.IndexOf("llo") + "<br>");
            Response.Write(str.Insert(1, "x") + "<br>");
        }
    }
}
```

Op



2)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm12.aspx.cs"
Inherits="slip1.WebForm12" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<div>
```

```
<asp:RadioButton ID="RadioButton1" runat="server" AutoPostBack="True" GroupName="g1"
OnCheckedChanged="RadioButton1_CheckedChanged" Text="Edwardian Script ITC" />
```

```
<asp:RadioButton ID="RadioButton2" runat="server" AutoPostBack="True" Font-Names="Arial"
GroupName="g1" OnCheckedChanged="RadioButton1_CheckedChanged" Text="Arial" />
```

```
<asp:RadioButton ID="RadioButton3" runat="server" AutoPostBack="True" Font-Names="Algerian"
GroupName="g1" OnCheckedChanged="RadioButton1_CheckedChanged" Text="Algerian" />
```

```
</div>
```

```
<p>
```

```
<asp:RadioButton ID="RadioButton4" runat="server" AutoPostBack="True" GroupName="g2"
OnCheckedChanged="fontchange" Text="10" />
```

```
<asp:RadioButton ID="RadioButton5" runat="server" AutoPostBack="True" GroupName="g2"
OnCheckedChanged="fontchange" Text="15" />
```

```
<asp:RadioButton ID="RadioButton6" runat="server" AutoPostBack="True" GroupName="g2"
OnCheckedChanged="fontchange" Text="20" />
```

```
</p>
```

```
<p>
```

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

```
</p>
```

```

        <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged">
            <asp:ListItem Value="99">IND</asp:ListItem>
            <asp:ListItem Value="99">BAN</asp:ListItem>
            <asp:ListItem Value="98">CHI</asp:ListItem>
        </asp:DropDownList>
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    </form>
</body>
</html>

```

Webform.aspx.cs

```

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

namespace slip1
{
    public partial class WebForm12 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void RadioButton1_CheckedChanged(object sender, EventArgs e)
        {
            Label1.Font.Name = ((RadioButton)sender).Text;

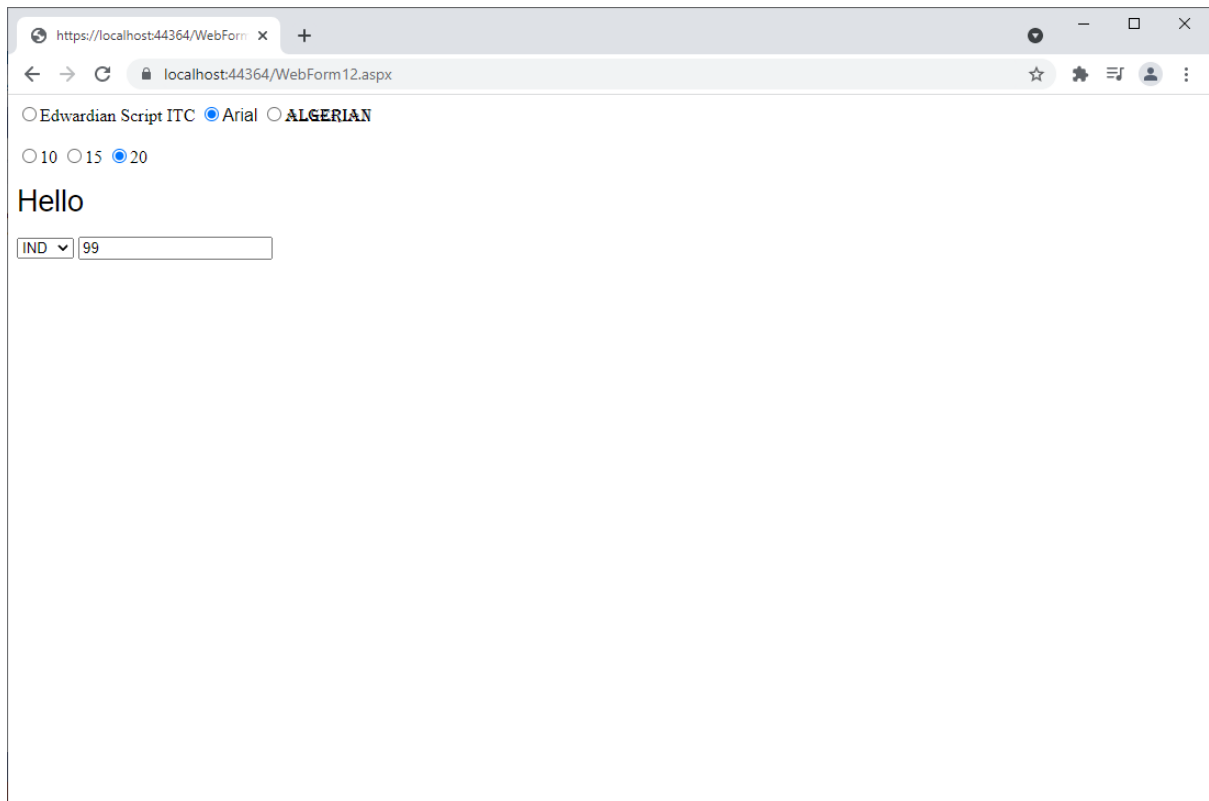
        }

        protected void fontchange(object sender, EventArgs e)
        {
            Label1.Font.Size = Convert.ToInt32(((RadioButton)sender).Text);
        }

        protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
        {
            TextBox1.Text = DropDownList1.SelectedValue.ToString();
        }
    }
}

Op

```



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester– V) (Practical) EXAMINATION
SECOND HALF 2018
Advanced Web Programming (USIT5P3)
Seat No. : _____ Max. Marks: 50

1.	Create a delegate del1. Create display1() and display2() static methods. Create a simple application to call these two methods by the through the delegate.	20
2.	Create a simple web page to show how to write and read a cookie from a client's computer.	20
3.	Viva	5
4.	Journal	5

1)

Webform.aspx.cs

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

namespace slip1
{
    public partial class WebForm13 : System.Web.UI.Page
    {
```



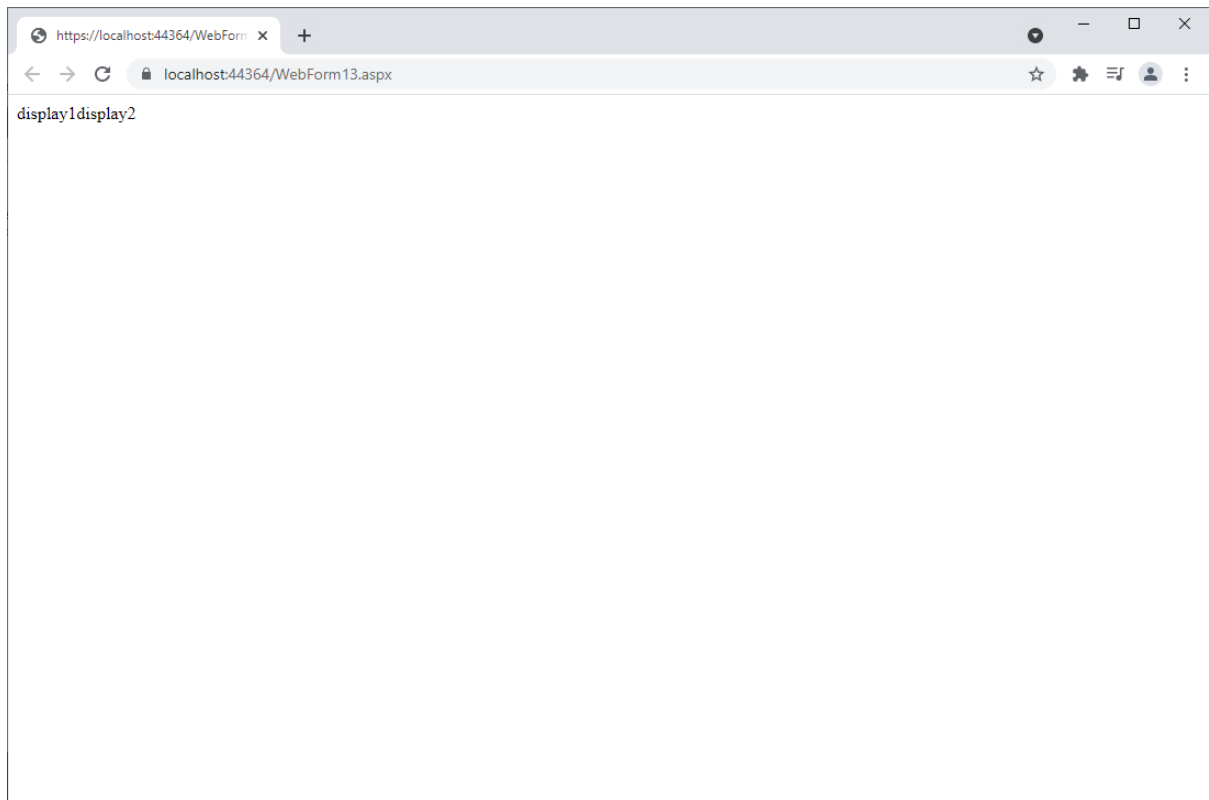
```

delegate string del1();

protected void Page_Load(object sender, EventArgs e)
{
    del1 d1 = new del1(display1);
    del1 d2 = new del1(display2);
    Response.Write(d1());
    Response.Write(d2());
}
public static string display1()
{
    return "display1";
}
public static string display2()
{
    return "display2";
}
}
}

```

Op



2)

Webform.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm14.aspx.cs"
Inherits="slip1.WebForm14" %>

<!DOCTYPE html>

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

```

```

<body>
  <form id="form1" runat="server">
    <div>
    </div>
    <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    <p>
      <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Write" />
    </p>
    <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Read" />
  </form>
</body>
</html>

```

Webform.aspx.cs

```

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

namespace slip1
{
    public partial class WebForm14 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

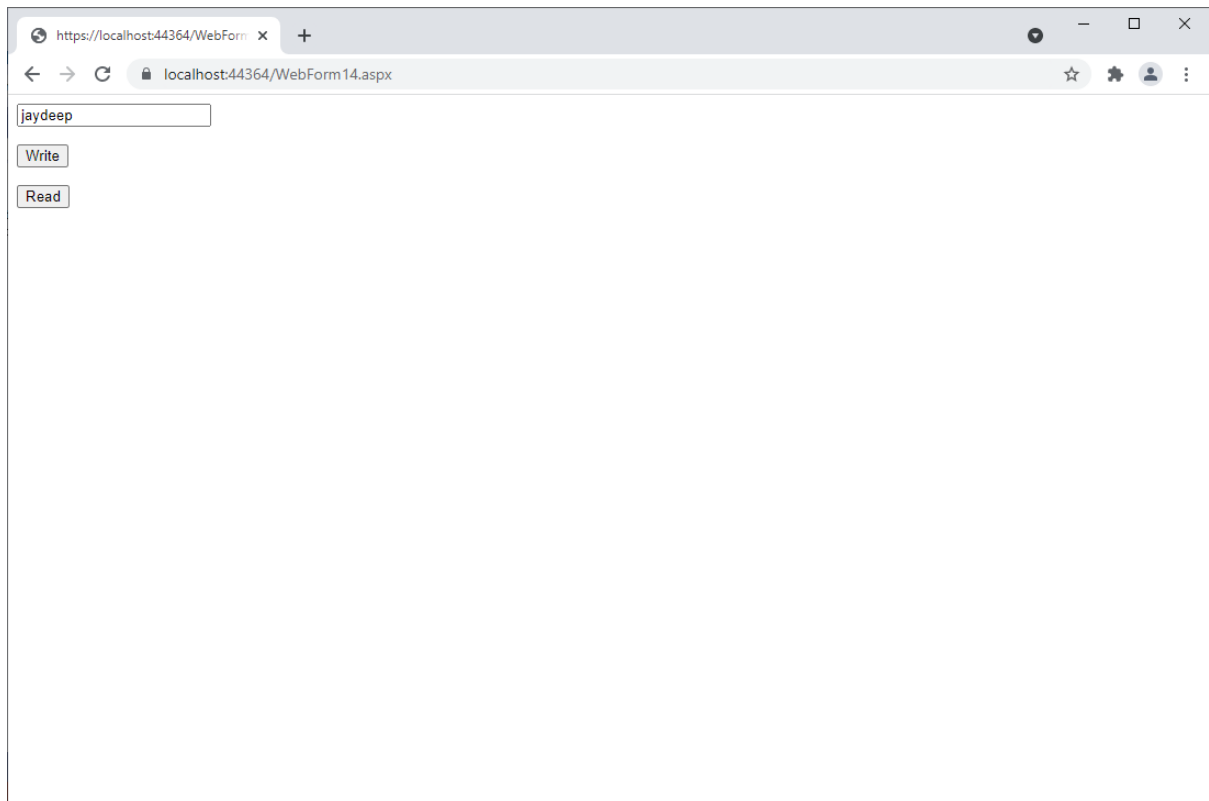
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            HttpCookie co = new HttpCookie("user1", TextBox1.Text);
            Response.Cookies.Add(co);
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            TextBox1.Text = Request.Cookies["user1"].Value;
        }
    }
}

```

Op



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester– V) (Practical) EXAMINATION
SECOND HALF 2018
Advanced Web Programming (USIT5P3)
Seat No. : _____ Max. Marks: 50

1.	Create a web application to demonstrate use of HtmlEditorExtender Ajax control.	20
2.	Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.	20
3.	Viva	5
4.	Journal	5

1)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm15.aspx.cs"
Inherits="slip1.WebForm15" %>
```

```
<%@ Register assembly="AjaxControlToolkit" namespace="AjaxControlToolkit" tagprefix="ajaxToolkit" %>
```

```
<!DOCTYPE html>
```

```
<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head runat="server">
```

```
<title></title>
```

```
</head>
```

```
<body>
```

```
<form id="form1" runat="server">
```

```
<div>
```

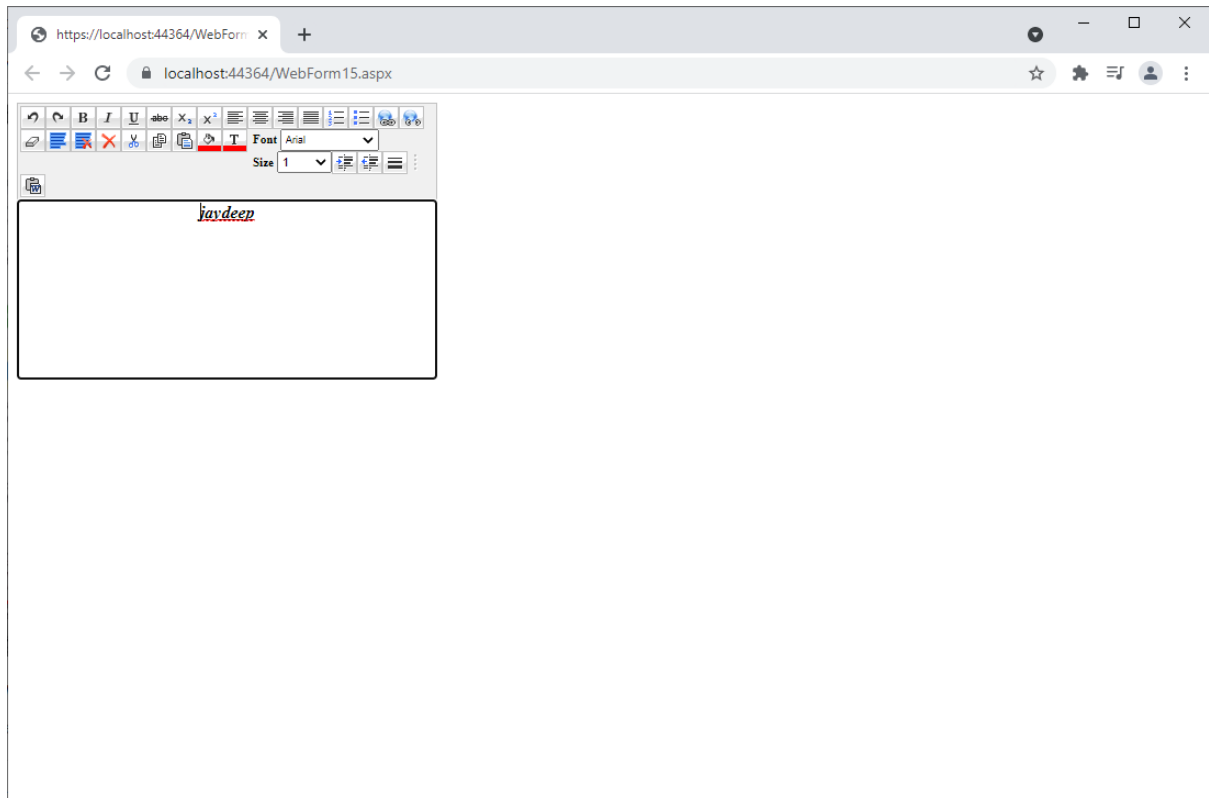
```
<asp:ScriptManager ID="ScriptManager1" runat="server">
```

```

        </asp:ScriptManager>
        <asp:TextBox ID="TextBox1" runat="server" Height="239px" TextMode="MultiLine"
Width="377px"></asp:TextBox>
        <ajaxToolkit:HtmlEditorExtender EnableSanitization="false" ID="TextBox1_HtmlEditorExtender"
runat="server" BehaviorID="TextBox1_HtmlEditorExtender" TargetControlID="TextBox1">
        </ajaxToolkit:HtmlEditorExtender>
    </div>
</form>
</body>
</html>

```

Op



2)

Webform5.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" MasterPageFile="~/Site1.master"
CodeBehind="WebForm5.aspx.cs" Inherits="practical5.WebForm5" %>

```

```

        <asp:Content ID="Content1" ContentPlaceHolderID="head" Runat="Server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" Runat="Server">
</asp:Content>

```

Site1.master

```

<%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs" Inherits="practical5.Site1"
%>

```

```

<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">

```

```
<head id="Head1" runat="server">
  <title>Master Page Demo</title>
  <link href="css/my.css" rel="stylesheet" />
  <asp:ContentPlaceHolder ID="head" runat="server">
  </asp:ContentPlaceHolder>
  <style type="text/css">
    .auto-style1 {
      position: absolute;
      top: 373px;
      left: 1028px;
      bottom: 303px;
    }

    .auto-style2 {
      position: absolute;
      top: 537px;
      left: 1016px;
      z-index: 1;
    }

    .style1 {
      width: 446px;
      height: 216px;
    }

    .style2 {
      width: 190px;
      height: 216px;
    }
  </style>
</head>
<body>
  <!DOCTYPE html>

  <form id="form1" runat="server">
    <style type="text/css">
      body {
    }
    #div {
      background-color: Aqua;
    }

    #header {
      color: blueviolet;
      text-align: center;
      font-size: 20px;
    }

    #nav {
      background-color: darkseagreen;
      padding: 5px;
    }

    ul {
      list-style-type: none;
    }

    li a {
      color: crimson;
      font-size: 30px;
      column-width: 5px;
    }
  </form>
</body>
</html>
```

```

li {
    display: inline;
    padding-left: 2px;
    column-width: 20px;
}

a {
    text-decoration: none;
    margin-left: 20px
}

li a:hover {
    background-color: aqua;
    color: coral;
    padding: 1%;
}

#side {
    text-align: center;
    float: right;
    width: 15%;
    padding-bottom: 79%;
    background-color: #F1FAEE;
}

#article {
    background-color: burlywood;
    padding: 10px;
    padding-bottom: 75%;
}

#footer {
    background-color: #C7EFCF;
    text-align: center;
    padding-bottom: 5%;
    font-size: 20px;
}

#con {
    border: double;
    border-color: red;
}

</style>

<div id="div1">
    <table>
        <tr>
            <td class="style2">
                </td>
            <td class="style1">
                <center>
                    <h1>welcome to website</h1>
                </center>
            </td>
        </tr>
    </table>
</div>
<div id="conn">
    <nav id="nav">
        <ul>
            <li><a href="home.aspx">HomePage</a></li>

```

```

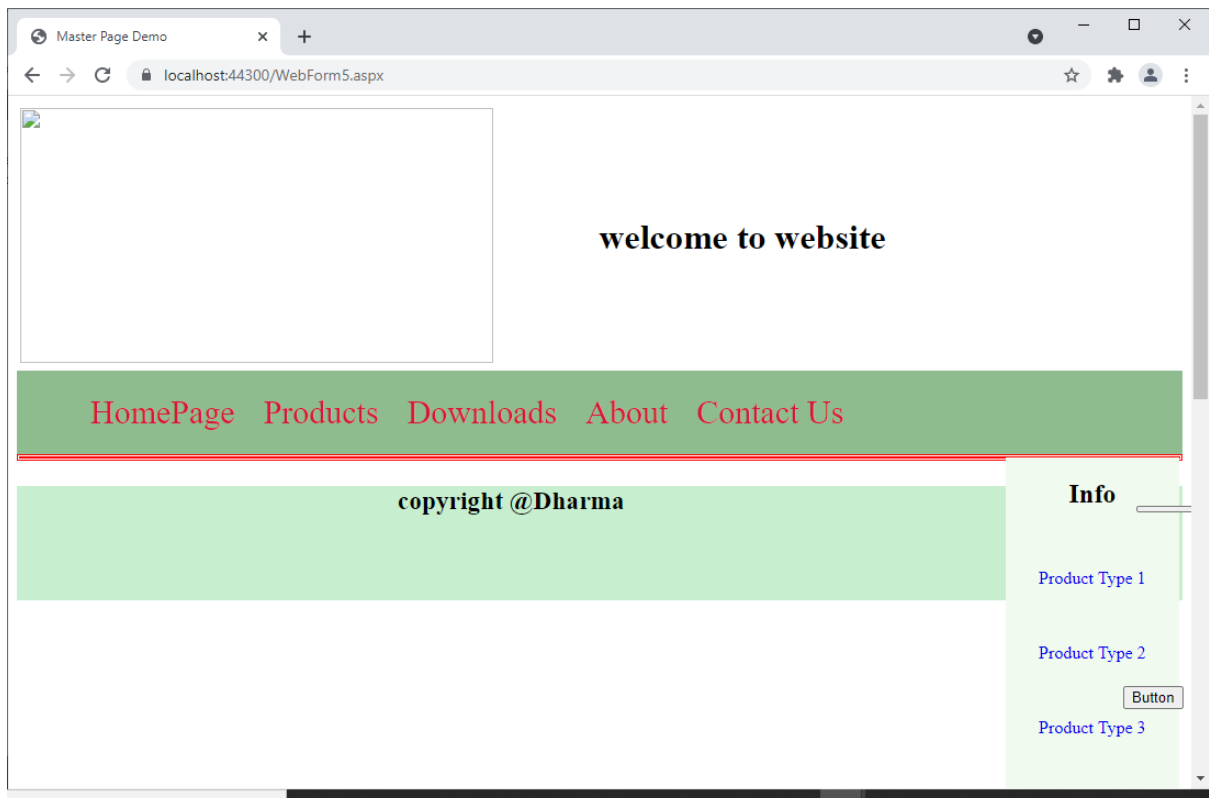
        <li><a href="#">Products</a></li>
        <li><a href="#">Downloads</a></li>
        <li><a href="#">About</a></li>
        <li><a href="#">Contact Us</a></li>
    </ul>
</nav>
</div>
<div id="con">
<aside id="side">
<h1>Info</h1>
<a href="#"><p>Product Type 1</p></a>
<a href="#"><p>Product Type 2</p></a>
<a href="#"><p>Product Type 3</p></a>
    <a href="#"><asp:ScriptManager ID="ScriptManager1" runat="server">
</asp:ScriptManager>
</a>
<asp:Button ID="Button2" runat="server" CssClass="auto-style1" style="z-index: 1" Text="Button" />
<asp:Button ID="Button1" runat="server" CssClass="auto-style2" Text="Button" />
</aside>
<asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
</asp:ContentPlaceHolder>
</div>
<div id="div">
<footer id="footer">
<h3>copyright @Dharma</h3>

</footer>
</div>
</form>

</body>
</html>

```

Output



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester– V) (Practical) EXAMINATION
SECOND HALF 2018

Advanced Web Programming (USIT5P3)

Seat No. : _____

Max. Marks: 50

1.	Create a web application to bind data in a multiline textbox by querying in another textbox.	20
2.	Write a program to create a DLL to print a factorial of a number.	20
3.	Viva	5
4.	Journal	5

1)

Webform1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Unit4.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
        </div>
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
        <br />
        <asp:TextBox ID="TextBox2" runat="server" TextMode="MultiLine"></asp:TextBox>
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
    </form>
</body>
</html>
```

Webform1.aspx.cs

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

namespace Unit4
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        SqlConnection cn = new SqlConnection(@"Data
Source=(LocalDB)\MSSQLLocalDB;AttachDbFilename=|DataDirectory|\Database1.mdf;Integrated Security=True");
        SqlCommand co = new SqlCommand();
```



```

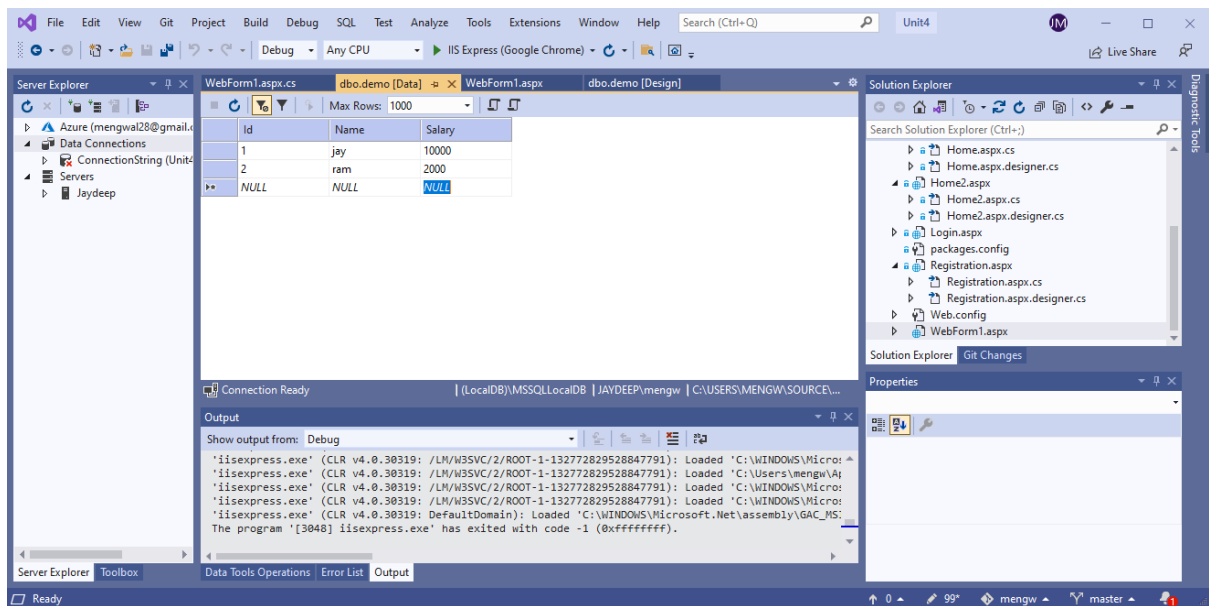
SqlDataReader ds;
protected void Page_Load(object sender, EventArgs e)
{
    cn.Open();
    co.Connection=cn;
}

protected void TextBox2_TextChanged(object sender, EventArgs e)
{
}

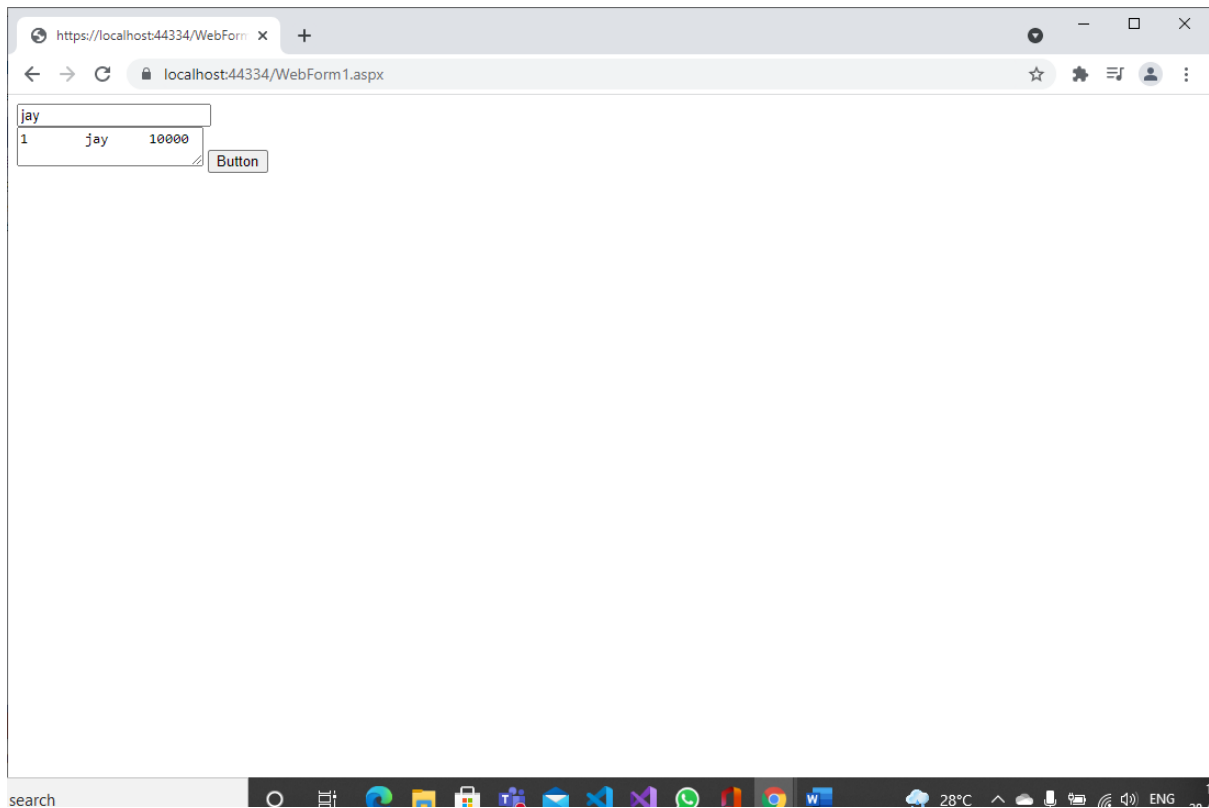
protected void TextBox2_TextChanged1(object sender, EventArgs e)
{
}

protected void Button1_Click(object sender, EventArgs e)
{
    co.CommandText="Select * from demo where Name='"+TextBox1.Text+"'";
    ds = co.ExecuteReader();
    while (ds.Read())
    {
        TextBox2.Text += ds[0].ToString() + "\t" + ds[1].ToString() + "\t" + ds[2].ToString() + "\n";
    }
}
}
}

```



Output



2)

Allmethods.cs

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

```
namespace slip1
{
    public class Allmethods
    {
        public string fact(int x)
        {
            int d = 1;
            for(int i = 1; i <= x; i++)
            {
                d = d * i;
            }
            return d.ToString();
        }
    }
}
```

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm16.aspx.cs"
Inherits="slip1.WebForm16" %>
```

```
<!DOCTYPE html>
```

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

```

<title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
    </div>
    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
    <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
  </form>
</body>
</html>

```

Webform.aspx.cs

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using slip1;
namespace slip1
{
    public partial class WebForm16 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

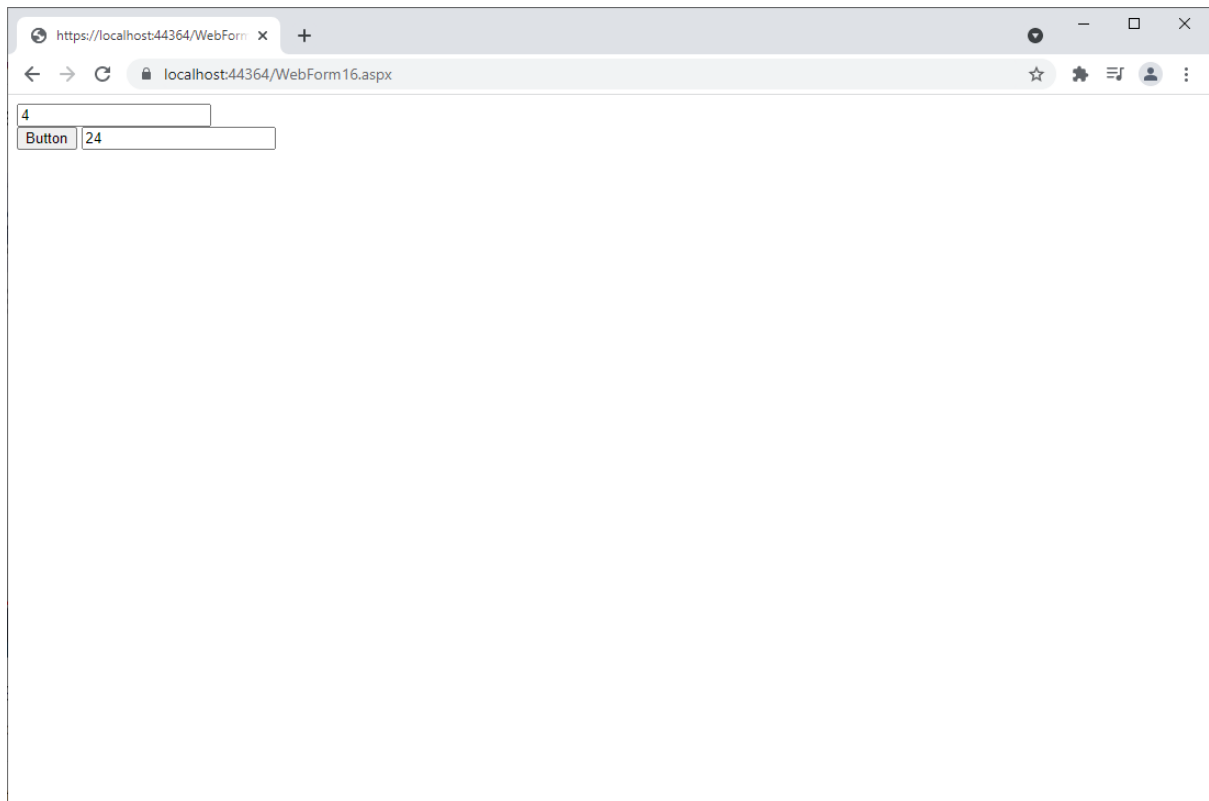
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Allmethods all = new Allmethods();
            TextBox2.Text=all.fact(Convert.ToInt32(TextBox1.Text));

        }
    }
}

```

Op



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester- V) (Practical) EXAMINATION
SECOND HALF 2018
Advanced Web Programming (USIT5P3)
Seat No. : _____ Max. Marks: 50

1.	Create a simple web page to demonstrate use of built in DivideByZeroException and IndexOutOfRangeException exceptions using textbox and label control.	20
2.	Create a simple web page to show data in Tree view control and datalist using web. Sitemap file containing navigation information.	20
3.	Viva	5
4.	Journal	5

1)webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm17.aspx.cs"
Inherits="slip1.WebForm17" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Button" />
        </div>
    </form>
</body>
</html>
```

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

Webform.aspx.cs

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

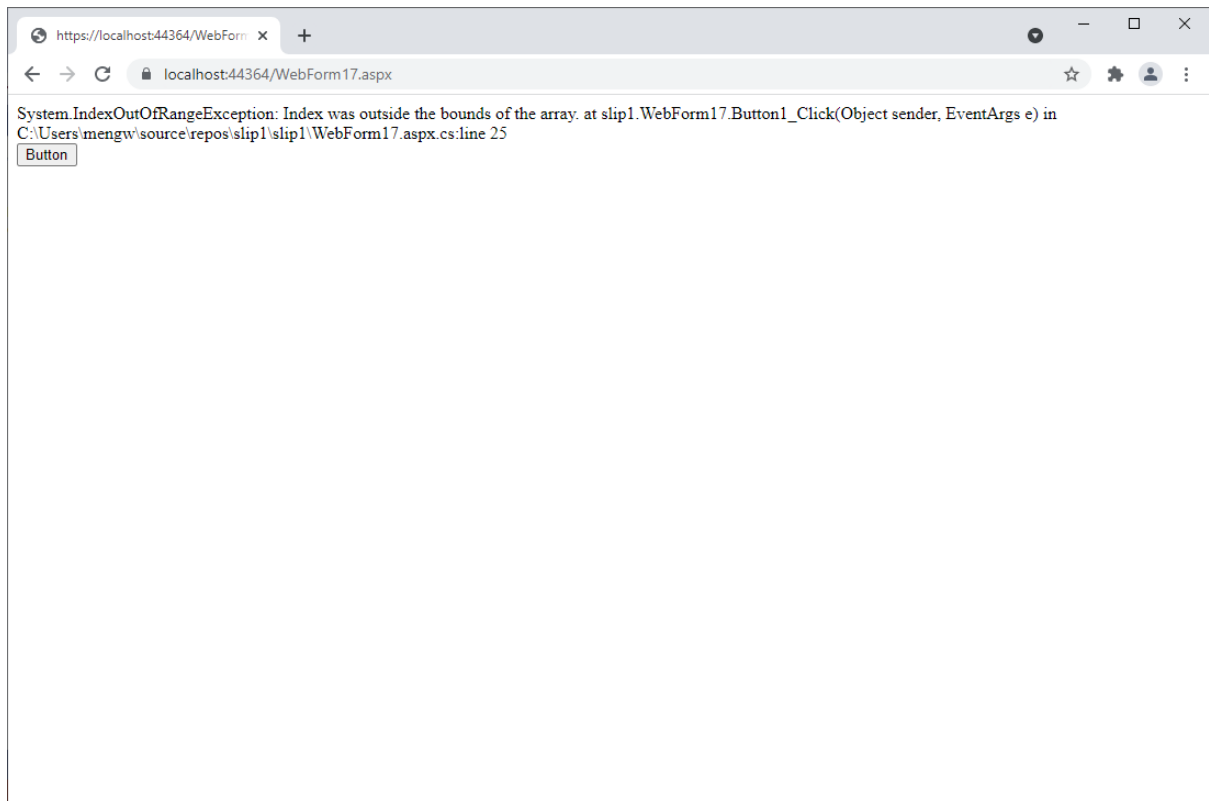
namespace slip1
{
    public partial class WebForm17 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            try
            {
                string[] arr = new string[3];
                arr[0] = "a";
                arr[1] = "b";
                arr[2] = "c";
                arr[3] = "d";
                int a = 0;
                int b = 0;
                int c = a / b;

            }
            catch (IndexOutOfRangeException ior)
            {
                Response.Write(ior.ToString());
            }
            catch (DivideByZeroException dvd)
            {
                Response.Write(dvd.ToString());
            }
        }
    }
}
```

Op



2)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm18.aspx.cs"
Inherits="slip1.WebForm18" %>

<!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" DataSourceID="SiteMapDataSource1">
            </asp:TreeView>
            <asp:SiteMapDataSource ID="SiteMapDataSource1" runat="server" />
        </div>
        <asp:DataList ID="DataList1" runat="server" BackColor="#DEBA84" BorderColor="#DEBA84"
BorderStyle="None" BorderWidth="1px" CellPadding="3" CellSpacing="2" DataSourceID="SiteMapDataSource1"
GridLines="Both">
            <FooterStyle BackColor="#F7DFB5" ForeColor="#8C4510" />
            <HeaderStyle BackColor="#A55129" Font-Bold="True" ForeColor="White" />
            <ItemStyle BackColor="#FFF7E7" ForeColor="#8C4510" />
            <ItemTemplate>
                Description:
                <asp:Label ID="DescriptionLabel" runat="server" Text="<%# Eval("Description") %>" />
                <br />
                Title:
                <asp:Label ID="TitleLabel" runat="server" Text="<%# Eval("Title") %>" />
                <br />
                Url:
                <asp:Label ID="UrlLabel" runat="server" Text="<%# Eval("Url") %>" />
            </ItemTemplate>
        </asp:DataList>
    </form>
</body>
</html>
```

```

        <br />
    </br />
    </ItemTemplate>
    <SelectedItemStyle BackColor="#738A9C" Font-Bold="True" ForeColor="White" />
    </asp:DataList>
</form>
</body>
</html>

```

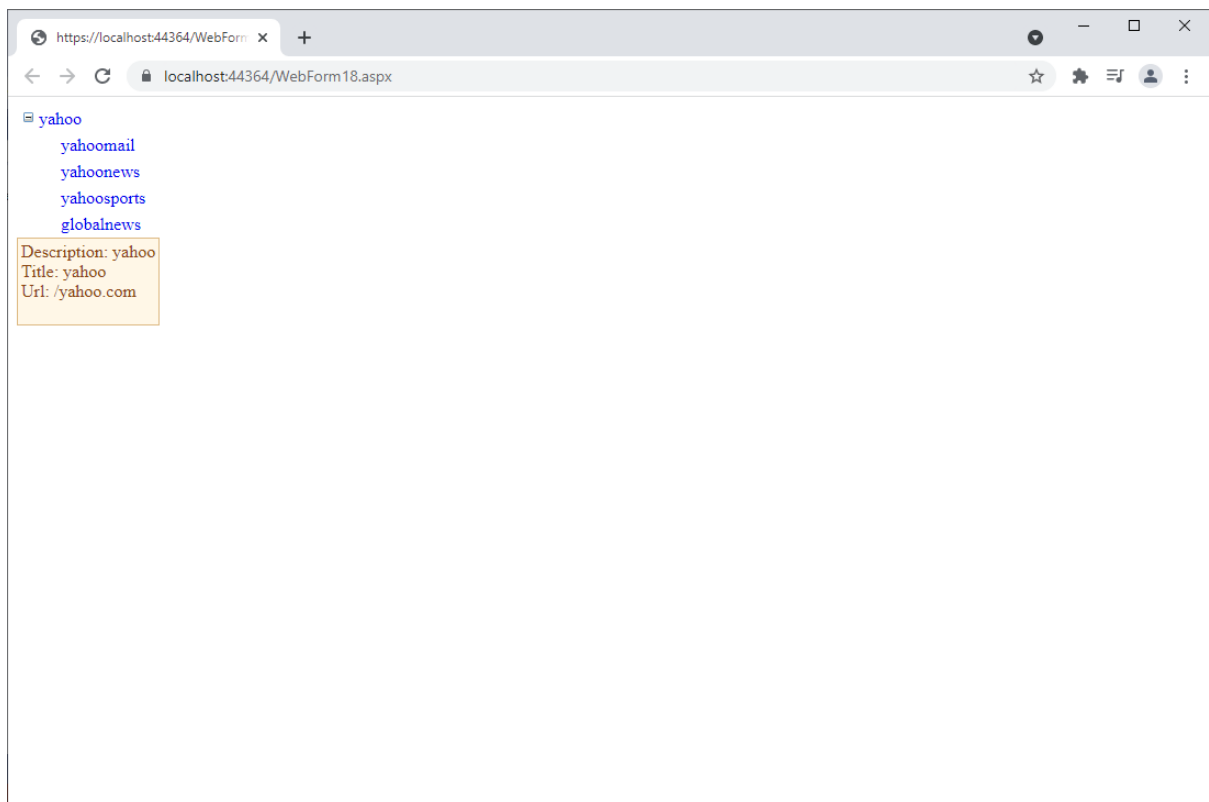
Web.sitemap

```

<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
  <siteMapNode url="yahoo.com" title="yahoo" description="yahoo">
    <siteMapNode url="yahoomail.com" title="yahoomail" description="mail" />
    <siteMapNode url="yahoonews.com" title="yahoonews" description="news" />
    <siteMapNode url="yahoosports.com" title="yahoosports" description="sports" />
    <siteMapNode url="globalnews.com" title="globalnews" description="global" />
  </siteMapNode>
</siteMap>

```

Op



Advanced Web Programming (CS11319)
Seat No. : _____ Max. Marks: 50

1.	Display the no. of visitors on a given web page.	20
2.	Create a registration form having text fields for accepting, Name, Age, Email, Address and Mobile number. Perform the following validations for the same: 1. All fields need to be filled compulsorily 2. Name should contain only alphabets and should not be more than 25 characters long 3. Validate email and mobile number appropriately 4. Age should be between 18 and 32 only. Include submit and cancel buttons. On click of submit button, open a new page and display all the information entered by the user and on click of cancel button, all text fields should be cleared.	20
3.	Viva	5
4.	Journal	5

1)

Webform.aspx.cs

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

namespace slip1
{
    public partial class WebForm19 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Response.Write(Application["usercount"].ToString());
        }
    }
}
```

Global.asax.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.SessionState;

namespace slip1
{
    public class Global : System.Web.HttpApplication
    {

        protected void Application_Start(object sender, EventArgs e)
        {

        }

        protected void Session_Start(object sender, EventArgs e)
        {
            Application.Lock();
            Application["usercount"] = Convert.ToInt32(Application["usercount"]) + 1;
            Application.UnLock();
        }
    }
}
```



```
protected void Application_BeginRequest(object sender, EventArgs e)
{

}

protected void Application_AuthenticateRequest(object sender, EventArgs e)
{

}

protected void Application_Error(object sender, EventArgs e)
{

}

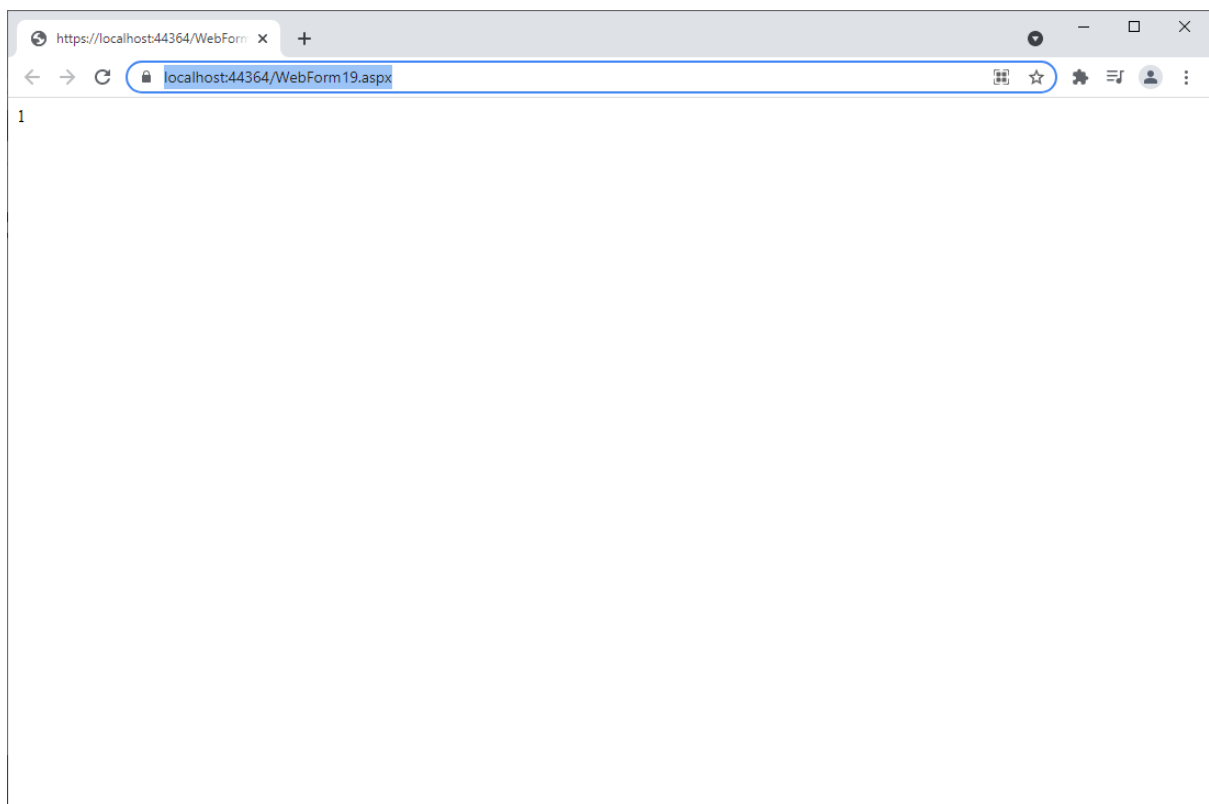
protected void Session_End(object sender, EventArgs e)
{

}

protected void Application_End(object sender, EventArgs e)
{

}
}
```

Op



2)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm20.aspx.cs"
Inherits="slip1.WebForm20" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
  <style type="text/css">
    .auto-style1 {
      height: 23px;
    }
  </style>
</head>
<body>
  <form id="form1" runat="server">
    <div>

      <br />
      <table style="width:100%;">
        <tr>
          <td>Name</td>
          <td>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="TextBox1" ErrorMessage="RequiredFieldValidator"
ForeColor="Red">*</asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
ControlToValidate="TextBox1" ErrorMessage="RegularExpressionValidator" ValidationExpression="[a-zA-Z]{5,25}">Only characters not mre than 25</asp:RegularExpressionValidator>
          </td>
          <td>&nbsp;</td>
        </tr>
        <tr>
          <td>Age</td>
          <td>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="TextBox2" ErrorMessage="RequiredFieldValidator"
ForeColor="Red">*</asp:RequiredFieldValidator>
            <asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="TextBox2"
ErrorMessage="18-25" MaximumValue="25" MinimumValue="18" Type="Integer"></asp:RangeValidator>
          </td>
          <td>&nbsp;</td>
        </tr>
        <tr>
          <td>Email</td>
          <td>
            <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="TextBox3" ErrorMessage="RequiredFieldValidator"
ForeColor="Red">*</asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator2" runat="server"
ControlToValidate="TextBox3" ErrorMessage="Invalid Email" ValidationExpression="\w+([-+.])(\w+)*@\w+([-+.])(\w+)*\.\w+([-+.])(\w+)*"></asp:RegularExpressionValidator>
          </td>
          <td>&nbsp;</td>
        </tr>
      </table>
    </div>
  </form>
</body>
</html>
```

```

        <td>Address</td>
        <td>
            <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ControlToValidate="TextBox4" ErrorMessage="RequiredFieldValidator"
ForeColor="Red">*</asp:RequiredFieldValidator>
        </td>
        <td>&nbsp;</td>
    </tr>
    <tr>
        <td class="auto-style1">Phone no</td>
        <td class="auto-style1">
            <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
ControlToValidate="TextBox5" ErrorMessage="RequiredFieldValidator"
ForeColor="Red">*</asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator3" runat="server"
ControlToValidate="TextBox5" ErrorMessage="Invalid Phone"
ValidationExpression="\d{10}"></asp:RegularExpressionValidator>
        </td>
        <td class="auto-style1"></td>
    </tr>
    <tr>
        <td>&nbsp;</td>
        <td>
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
            <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="Clear" />
        </td>
        <td>&nbsp;</td>
    </tr>
</table>

</div>
<p>
    &nbsp;</p>
</form>
</body>
</html>

```

Webform.aspx.cs

```

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

namespace slip1
{
    public partial class WebForm20 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("WebForm21.aspx?na="+TextBox1.Text+ "&ag=" + TextBox2.Text + "&em=" +
TextBox3.Text + "&ad=" + TextBox4.Text + "&ph=" + TextBox5.Text + "");
        }

        protected void Button2_Click(object sender, EventArgs e)

```

```

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

```

Webform2.aspx.cs

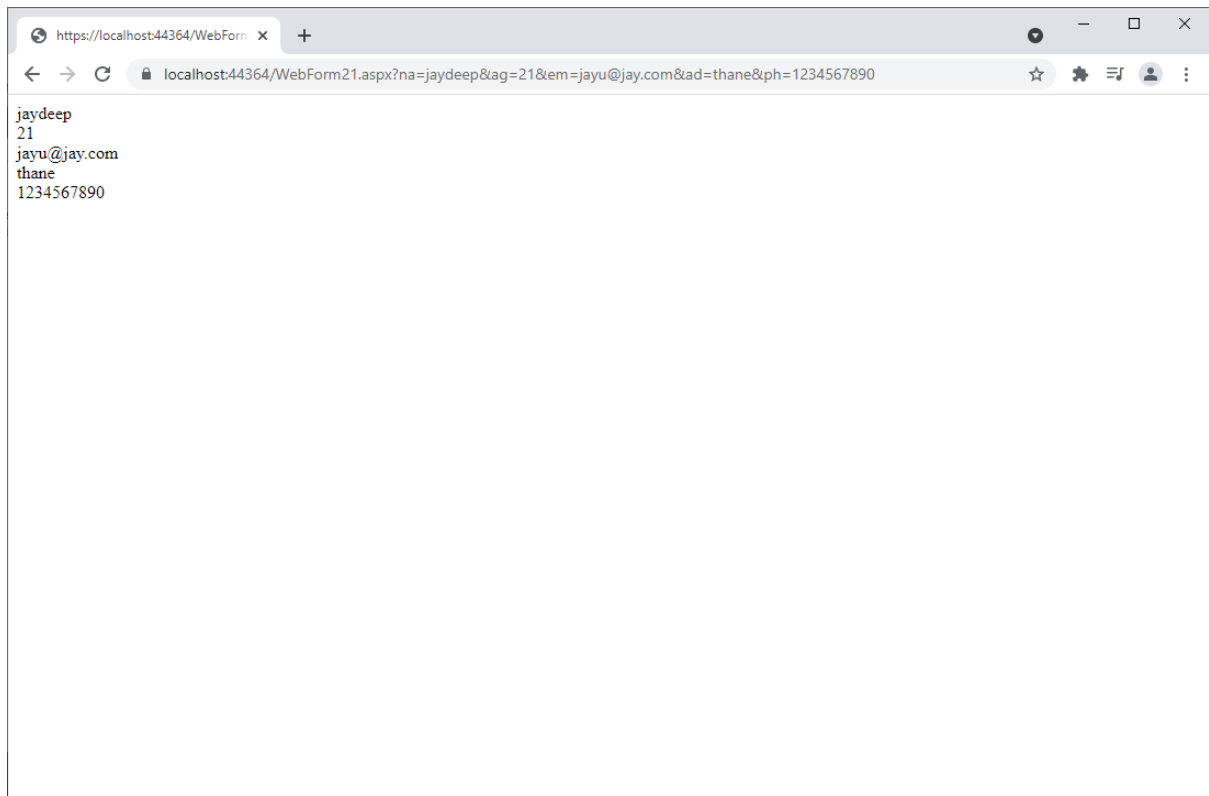
```

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

namespace slip1
{
    public partial class WebForm21 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            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>");
        }
    }
}

```

Op



UNIVERSITY OF MUMBAI
T.Y.B.Sc.(INFORMATION TECHNOLOGY) (Semester– V) (Practical) EXAMINATION
SECOND HALF 2018

Advanced Web Programming (USIT5P3)

Seat No. : _____

Max. Marks: 50

1.	Create a webpage with multiline textbox and two buttons, viz. saveContents and loadContents. On click of saveContents button, contents from the textbox should be retained and on click of loadContents button, the previously saved contents should be displayed back on the textbox.	20
2.	Store 3 objects of the furniture class having 3 data members (name, manufacturer, and cost) in 3 session objects. Display a panel to include a listbox displaying the names of all three furniture objects, and a button named "MoreInformation". On click of the button retrieve the selected object (from listbox) information and display it in a label.	20
3.	Viva	5
4.	Journal	5

1)

Webform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm22.aspx.cs"
Inherits="slip1.WebForm22" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:TextBox ID="TextBox1" runat="server" Height="100px" TextMode="MultiLine"
Width="175px"></asp:TextBox>
        </div>
        <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="SaveContent" />
        <asp:Button ID="Button2" runat="server" OnClick="Button2_Click" Text="LoadContent" />
    </form>
</body>
</html>
```

Webform.aspx.cs

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

namespace slip1
{
    public partial class WebForm22 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
```

```

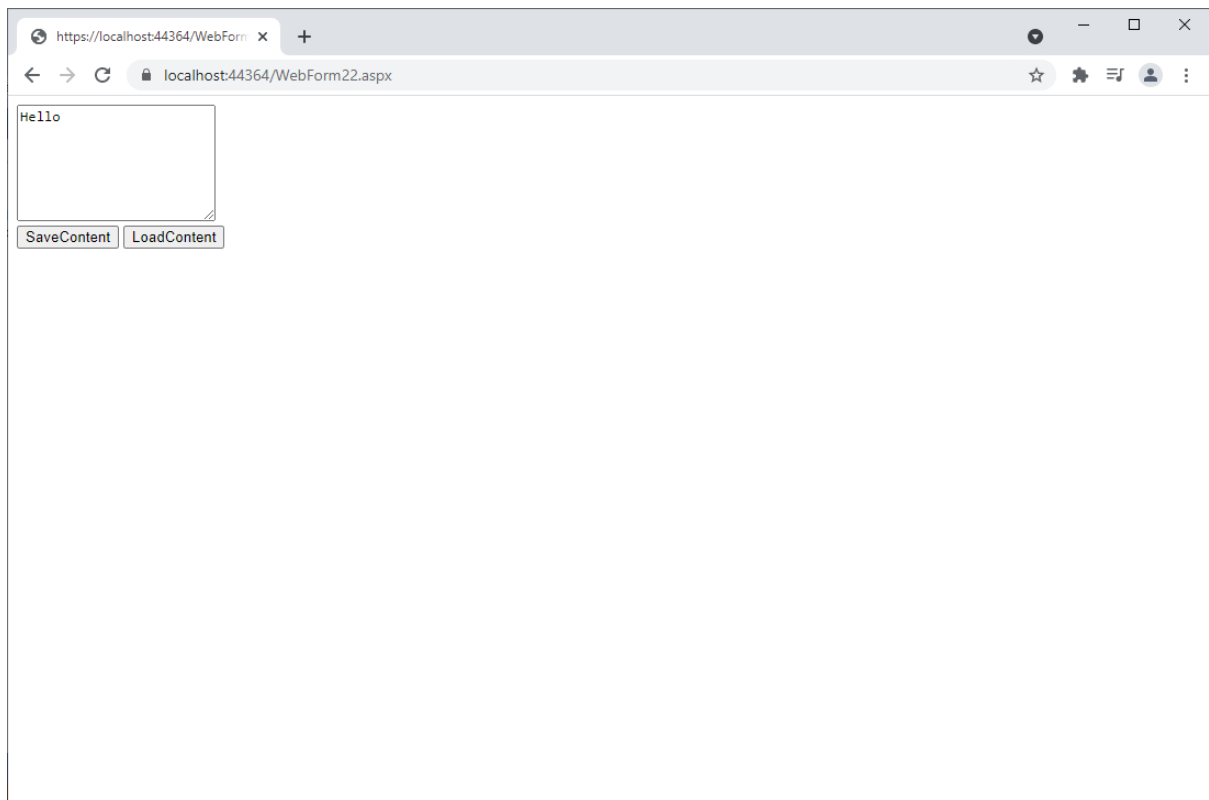
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        ViewState["data"] = TextBox1.Text;
        TextBox1.Text = "";
    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        TextBox1.Text = ViewState["data"].ToString();
    }
}
}

```

Op



2)

Webform.aspx

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm23.aspx.cs"
Inherits="slip1.WebForm23" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:ListBox ID="ListBox1" runat="server" Height="110px" Width="123px"></asp:ListBox>

```

```

</div>
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Show Info" />
<p>
    <asp:Label ID="Label1" runat="server"></asp:Label>
</p>
<asp:Label ID="Label2" runat="server"></asp:Label>
</form>
</body>
</html>

```

Webform.aspx.cs

```

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

namespace slip1
{
    public partial class WebForm23 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                Session["s1"] = new furniture("chair1", "xyz", "1000");
                Session["s2"] = new furniture("chair2", "abc", "2000");
                Session["s3"] = new furniture("chair3", "pqr", "3000");
                ListBox1.Items.Add(((furniture)Session["s1"]).name);
                ListBox1.Items.Add(((furniture)Session["s2"]).name);
                ListBox1.Items.Add(((furniture)Session["s3"]).name);
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            if (ListBox1.SelectedIndex != -1)
            {
                if (ListBox1.SelectedIndex == 0)
                {
                    Label1.Text = ((furniture)Session["s1"]).man;
                    Label2.Text = ((furniture)Session["s1"]).cost;
                }
                else if (ListBox1.SelectedIndex == 1)
                {
                    Label1.Text = ((furniture)Session["s2"]).man;
                    Label2.Text = ((furniture)Session["s2"]).cost;
                }
                else if (ListBox1.SelectedIndex == 2)
                {
                    Label1.Text = ((furniture)Session["s3"]).man;
                    Label2.Text = ((furniture)Session["s3"]).cost;
                }
            }
        }
    }
}

class furniture
{

```

```
public string name;  
public string man;  
public string cost;  
public furniture (string name,string man,string cost)  
{  
    this.name = name;  
    this.man = man;  
    this.cost = cost;  
}  
}
```

Op

