Practical No: 2(a)

Aim: Create simple application to perform following operations.
(i) Finding factorial value.

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class fact
{
    public int n,f;
    public fact()
    {
        f = 1;
    }
    public void cal()
    {
        int i;
        for (i = 1; i <= n; i++)
        {
            f = f * i;
        }
    }

}

namespace WebApplication39
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            fact f1 = new fact();
            f1.n = 5;
            f1.cal();
            Response.Write(f1.n + "!=" + f1.f);
        }
    }
}
```

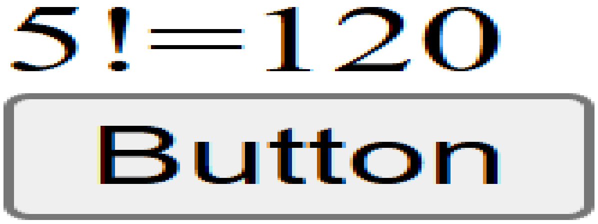
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication39.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:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



```
5!=120
```

Practical No: 2(a)

Aim: Create simple application to perform following operations.

(ii)Money conversion

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class Class1
{
    public double r, e, d;
    public Class1()
    {
        r = 0;
        e = 0;
        d = 0;
    }
    public void convertdtor()
    {
        double ev = 60;
        r = d * ev;
    }
    public void convertetor()
    {
        double ev = 80;
        r = d * ev;
    }
    public void convertrtod()
    {
        double ev = 65;
        d = r / ev;
    }
    public void convertrtoe()
    {
        double ev = 80;
        e = r / ev;
    }
}

namespace WebApplication40
{

    public partial class WebForm1 : System.Web.UI.Page
    {
        Class1 f1;
        protected void Page_Load(object sender, EventArgs e)
        {
            f1 = new Class1();
        }

        protected void RadioButton1_CheckedChanged(object sender, EventArgs e)
        {
            if (RadioButton1.Checked == true)
            {
                f1.d = Convert.ToInt16(TextBox1.Text);
                f1.convertdtor();
                Response.Write(f1.d + "Dollar" + "=Rs." + f1.r);
            }
        }

        protected void RadioButton2_CheckedChanged(object sender, EventArgs e)
        {
            if (RadioButton2.Checked == true)
            {
                f1.r = Convert.ToInt16(TextBox1.Text);
                f1.convertrtod();
                Response.Write(f1.r + "Rupee" + "=$" + f1.d);
            }
        }

        protected void RadioButton3_CheckedChanged(object sender, EventArgs e)
        {
            if (RadioButton3.Checked == true)
            {
                f1.e = Convert.ToInt16(TextBox1.Text);
                f1.convertetor();
                Response.Write(f1.e + "Euro" + "=Rs." + f1.r);
            }
        }

        protected void RadioButton4_CheckedChanged(object sender, EventArgs e)
        {
            if (RadioButton4.Checked == true)
            {
                f1.r = Convert.ToInt16(TextBox1.Text);
                f1.convertrtoe();
                Response.Write(f1.r + "Rs. to Euro" + f1.e);
            }
        }
    }
}
```

Source code:

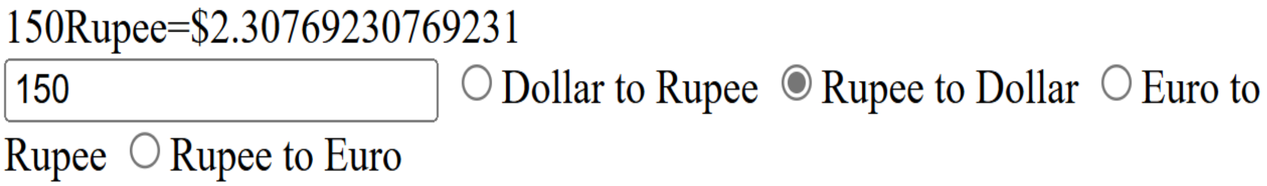
```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication40.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:RadioButton ID="RadioButton1" runat="server" AutoPostBack="True"
GroupName="C" OnCheckedChanged="RadioButton1_CheckedChanged" Text="Dollar to Rupee"
/>
```

```
            <asp:RadioButton ID="RadioButton2" runat="server" AutoPostBack="True"
GroupName="C" OnCheckedChanged="RadioButton2_CheckedChanged" Text="Rupee to Dollar"
/>
            <asp:RadioButton ID="RadioButton3" runat="server" AutoPostBack="True"
GroupName="C" OnCheckedChanged="RadioButton3_CheckedChanged" Text="Euro to Rupee" />
            <asp:RadioButton ID="RadioButton4" runat="server" AutoPostBack="True"
GroupName="C" OnCheckedChanged="RadioButton4_CheckedChanged" Text="Rupee to Euro" />
        </div>
    </form>
</body>
</html>
```

Output:



150Rupee=$2.30769230769231

150 ○ Dollar to Rupee ● Rupee to Dollar ○ Euro to Rupee ○ Rupee to Euro

Practical No: 2(a)

Aim: Create simple application to perform following operations.
(iii) Quadratic equation

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class Quadraticroots
{
    public double a, b, c, r1, r2;
    public double compute()
    {
        int m;
        double d1;
        d1 = b * b - 4 * a * c;
        if (d1 == 0)
        {
            r1 = r2 = (-b) / (2 * a);
            return d1;
        }
        else if (d1 > 0)
        {
            r1 = (-b + Math.Sqrt(d1)) / (2 * a);
            r2 = (-b - Math.Sqrt(d1)) / (2 * a);
            return d1;
        }
        else
        {
            r1 = (-b) / (2 * a);
            r2 = Math.Sqrt(-d1) / (2 * a);
            return d1;
        }
    }
}

namespace WebApplication41
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        Quadraticroots q;
        protected void Page_Load(object sender, EventArgs e)
        {
            q = new Quadraticroots();
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            q.a = Convert.ToInt16(TextBox1.Text);
            q.b = Convert.ToInt16(TextBox2.Text);
            q.c = Convert.ToInt16(TextBox3.Text);
            double d = q.compute();
            if (d == 0)
            {
                Response.Write("\n Roots are Real and Equal <br>");
                Response.Write("First root and Second root is " + q.r1);
            }
            else if (d > 0)
            {
                Response.Write("\n Roots are Real and distinct <br>");
                Response.Write("\n First root is" + q.r1 + "<br>");
                Response.Write("\n Second root is" + q.r2 + "<br>");
            }
            else
            {
                Response.Write("\n Roots are Imaginaray <br>");
                Response.Write("\n First root is" + q.r1 + "<br>");
                Response.Write("\n Second root is" + q.r2 + "<br>");
            }
        }
    }
}
```

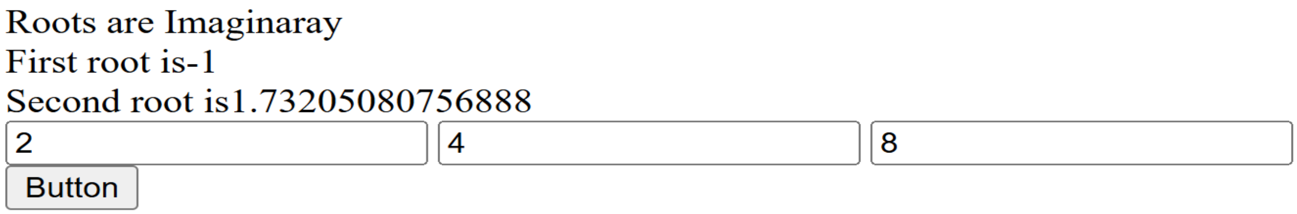
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication41.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:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



```
Roots are Imaginaray
First root is-1
Second root is1.73205080756888
```

2 | 4 | 8

Practical No: 2(a)

Aim: Create simple application to perform following operations.
(iv) Temperature Conversion.

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class converttemp
{
    public float celsius, faren;
    public converttemp()
    {
        celsius = 0;
        faren = 0;
    }
    public void converttofaren()
    {
        faren = ((celsius * 9.0f / 5.0f) + 32.0f);
    }
    public void converttocel()
    {
        celsius = (faren - 32) * (5.0f / 9.0f);

    }
}
namespace WebApplication43
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        converttemp c;
        protected void Page_Load(object sender, EventArgs e)
        {
            c = new converttemp();
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            char ch;
            ch = Convert.ToChar(TextBox1.Text);
            if (ch == 'c')
            {
                c.celsius = float.Parse(TextBox2.Text);
                c.converttofaren();
                Label1.Text = "Celsius to Farenheit" + c.faren;
            }
            else
            {
                c.faren = float.Parse(TextBox2.Text);
                c.converttocel();
                Label1.Text = "Farenheit to Celsius " + c.celsius;

            }
        }
    }
}
```

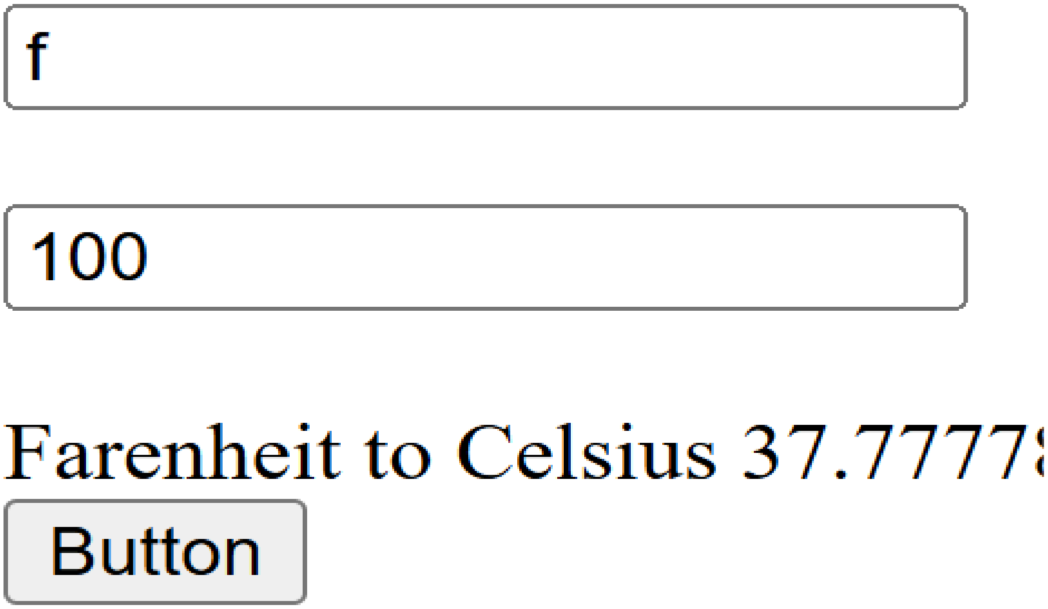
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication43.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:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <br />
            <br />
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



f

100

Farenheit to Celsius 37.7777

Practical No: 2(b)

Aim: Creating simple application to demonstrate use of the following concepts.
i. Function Overloading.

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class overloading
{
    public int sum(int a, int b)
    {
        int x;
        return x = a + b;
    }
    public int sum(int a, int b, int c)
    {
        int y;
        return y = a + b + c;
    }
    public float sum(float a, float b)
    {
        float u;
        return u = a + b;
    }
    public float sum(float a, float b, float c)
    {
        float v;
        return v = a + b + c;
    }
}

namespace WebApplication42
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        overloading o;
        protected void Page_Load(object sender, EventArgs e)
        {
            o = new overloading();
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = Convert.ToString(o.sum(10, 20));
            Label2.Text = Convert.ToString(o.sum(10,20,30));
            Label3.Text = Convert.ToString(o.sum(12.0f, 23.1f, 32.5f));
        }
    }
}
```

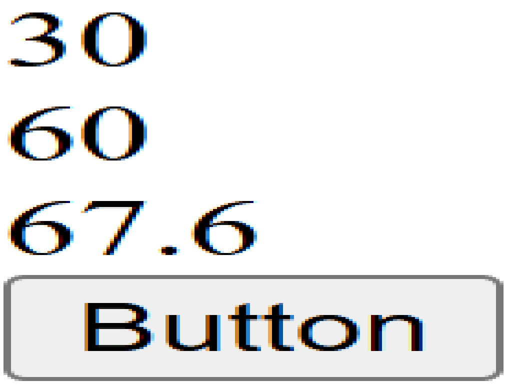
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication42.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <br />
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
            <br />
            <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
            <br />
            <asp:Label ID="Label3" runat="server" Text="Label"></asp:Label>
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



```
30
60
67.6
```

Practical No: 2(b)

Aim: Creating simple application to demonstrate use of the following concepts.
ii.Inheritance(All types)

➞ Single Inheritance

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class basec
{
    public int d;
    public string basemethod()
    {
        string p = "This is baseclass method";
        return p;
    }
}
public class Derived : basec
{
    public string derivedmethod()
    {
        string s = "This is derivedclassmethod";
        return s;
    }
}

namespace WebApplication44
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            basec b = new basec();
            Response.Write("Calling from base class object:" +b.basemethod());
            Derived d = new Derived();
            Response.Write("<br> Calling from derived class object:<br>" +
d.basemethod());
            Response.Write("<br>" + d.derivedmethod());



        }
    }
}
```

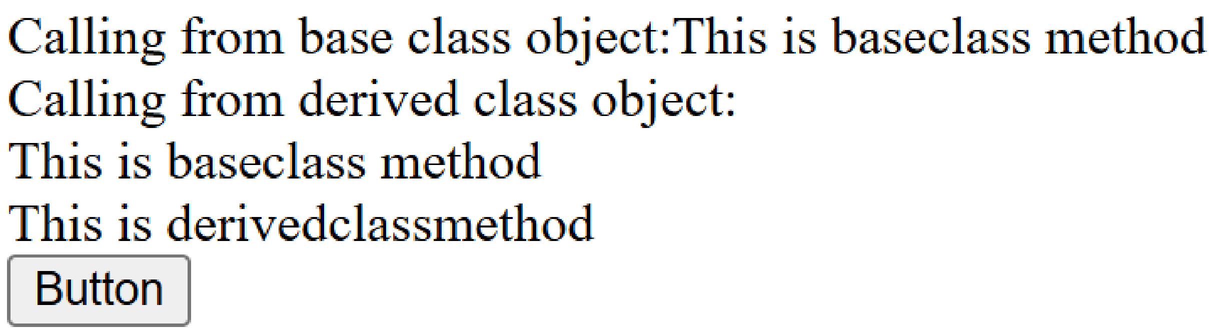
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication44.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:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



```
Calling from base class object:This is baseclass method
Calling from derived class object:
This is baseclass method
This is derivedclassmethod
```

→ Multi Level Inheritance

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class A
{
    public string show()
    {
        return ("First base class");
    }
}
class B : A
{
    public string display()
    {
        return ("Second base class");
    }
}
class C : B
{
    public string show1()
    {
        return "Child Class";
    }
}


namespace WebApplication45
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            C obj = new C();
            Response.Write(obj.show() + "<br>");
            Response.Write(obj.display() + "<br>");
            Response.Write(obj.show1() + "<br>");
        }
    }
}
```

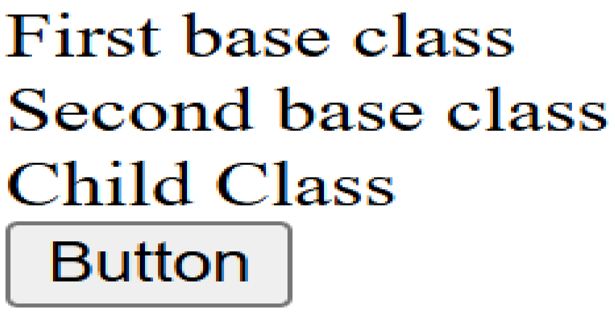
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication45.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:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



```
First base class
Second base class
Child Class
```

➞ Multiple Inheritance

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class Shape
{
    public int side;
    public void setSide(int s)
    {
        side = s;
    }

}
public interface Cost
{
    int getCost(int area);
}
class square : Shape, Cost
{
    public int getArea()
    {
        return (side * side);
    }
    public int getCost(int area)
    {
        return area * 10;
    }
}

namespace WebApplication46
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            square sq = new square();
            int area;
            sq.setSide(20);
            area = sq.getArea();
            Label1.Text = "Area: " + area;
            int c = sq.getCost(area);
            Label2.Text = "Cost is Rs:" + c;
        }
    }
}
```

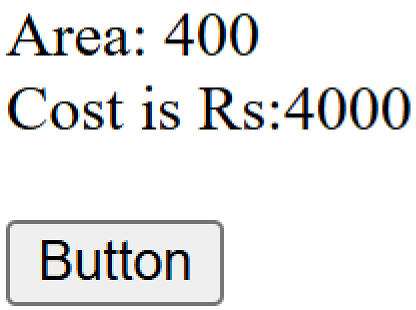
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication46.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            <asp:Label ID="Label1" runat="server" Text="Label"></asp:Label>
            <br />
            <asp:Label ID="Label2" runat="server" Text="Label"></asp:Label>
            <br />
            <br />
            <asp:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

Output:



```
Area: 400
Cost is Rs:4000
```

➞ Hierarchical Inheritance

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class A
{
    public string show()
    {
        return "Welcome";
    }
}
class B : A
{
    public string display()
    {
        return " to the world";
    }
}
class C : A
{
    public string show1()
    {
        return " of Possiblilities";
    }
}


namespace WebApplication47
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            C c1 = new C();
            B b1 = new B();
            string s = "" ;
            s += c1.show();
            s += b1.display();
            s += c1.show1();
            Label1.Text = s;
        }
    }
}
```

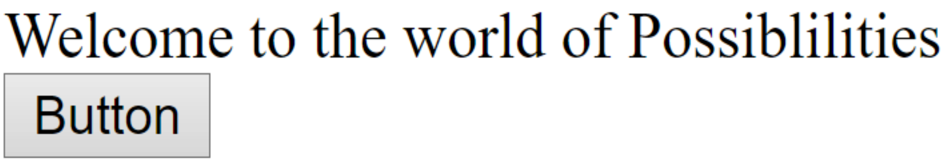
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication47.WebForm1" %>

<!DOCTYPE html>

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

Output:



Welcome to the world of Possiblilities

Practical No: 2(b)

Aim: Creating simple application to demonstrate use of the following concepts
iii. Constructor overloading

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class MarkSheet
{
    private float m1, m2, m3;
    string name;
     public MarkSheet()
    {
        m1 = 20;
        m2 = 40;
        m3 = 40;
    }
    public MarkSheet(float ms)
    {
        m1 = ms;
    }
    public MarkSheet(float ms1, float ms2)
    {
        m1 = ms1;
        m2 = ms2;

    }
    public MarkSheet(float ms1, float ms2, float ms3)
    {
        m1 = ms1;
        m2 = ms2;
        m3 = ms3;

    }
    public float tot()
    {
        float t = m1 + m2 + m3;
        return t;
    }
}

namespace WebApplication48
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            MarkSheet a = new MarkSheet();
            MarkSheet b = new MarkSheet(87);
            MarkSheet c = new MarkSheet(88,60);
            MarkSheet d = new MarkSheet(70,90,55);
            Response.Write("In marksheet 1:");
            Response.Write(a.tot() + "<br>");
            Response.Write("In marksheet 2:");
            Response.Write(b.tot() + "<br>");
            Response.Write("In marksheet 3:");
            Response.Write(c.tot() + "<br>");
            Response.Write("In marksheet 4:");
            Response.Write(d.tot() + "<br>");
        }
    }
}
```

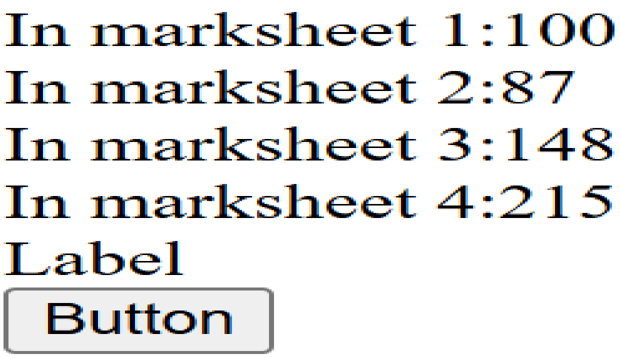
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication48.WebForm1" %>

<!DOCTYPE html>

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

Output:



```
In marksheet 1:100
In marksheet 2:87
In marksheet 3:148
In marksheet 4:215
Label
```

Practical No: 2(b)

Aim: Creating simple application to demonstrate use of the following concepts iv. Interface.

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public interface ITransaction
{
    string retcode();
    double amtfunc();
}
public class Transaction : ITransaction
{
    private string tCode;
    private double amount;
    public Transaction()
    {
        tCode = "";
        amount = 0.0;

    }
    public Transaction(string c, double a)
    {
        tCode = c;
        amount = a;
    }
    public double amtfunc()
    {
        return amount;
    }
    public string retcode()
    {
        return tCode;
    }
}


namespace WebApplication49
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Transaction t1 = new Transaction("Cr", 2828.00);
            Transaction t2 = new Transaction("Db", 5765.00);
            Response.Write("<br>Code" + t1.retcode());
            Response.Write("<br>Amount:" + t1.amtfunc());
            Response.Write("<br>Code" + t2.retcode());
            Response.Write("<br>Amount:" + t2.amtfunc());
        }
    }
}
```

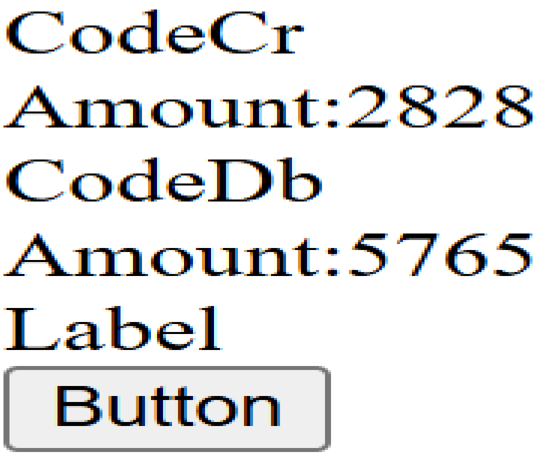
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication49.WebForm1" %>

<!DOCTYPE html>

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

Output:



```
CodeCr
Amount:2828
CodeDb
Amount:5765
Label
```

Practical No: 2(c)

Aim: Creating simple application to demonstrate use of the following concepts.
(i)Using Delegates and events

Code:

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




namespace WebApplication50
{
    public partial class WebForm1 : System.Web.UI.Page

    {
        public delegate void SimpleDelegate();
        public void callingFunction()
        {
            Response.Write("First function Called....<br>");
        }
        public void secfunction()
        {
            Response.Write("Second function Called....<br>");
        }


        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            SimpleDelegate sd = new SimpleDelegate(callingFunction);
            sd();
            sd += new SimpleDelegate(secfunction);
            sd();
        }
    }
}
```

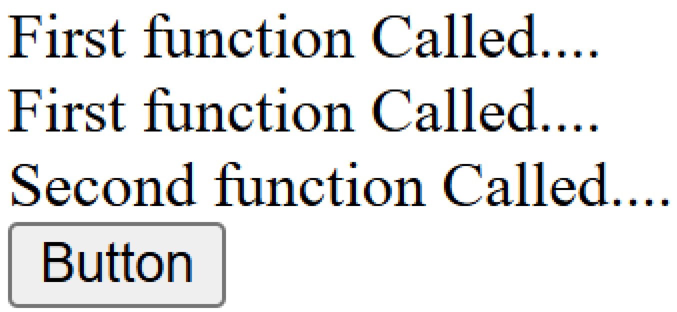
Source code:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication50.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:Button ID="Button1" runat="server" OnClick="Button1_Click"
Text="Button" />
        </div>
    </form>
</body>
</html>
```

<u>Output:</u>



```
First function Called....
First function Called....
Second function Called....
```

Practical No: 2(c)

Aim: Creating simple application to demonstrate use of the following concepts.
(ii) Exception Handling

Code:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
class NegativeException : Exception
{
    public NegativeException(string msg)
        : base(msg)
    {
    }
}

namespace WebApplication51
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            int num;
            try
            {
                num = int.Parse(TextBox1.Text);
                if (num < 0)
                    throw new NegativeException("Negative number");
                else
                    Console.WriteLine("Positive number");

            }
            catch (NegativeException en)
            {
                Response.Write(en.Message);
            }
        }
    }
}
```

Source code:

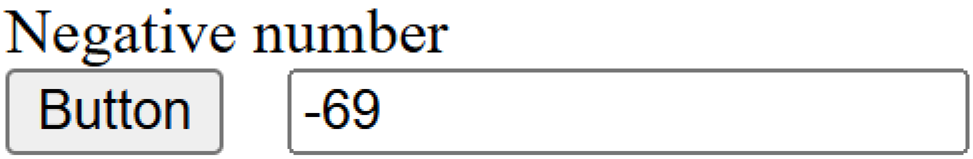
```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="WebApplication51.WebForm1" %>

<!DOCTYPE html>

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

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

<u>Output:</u>



Negative number

-69