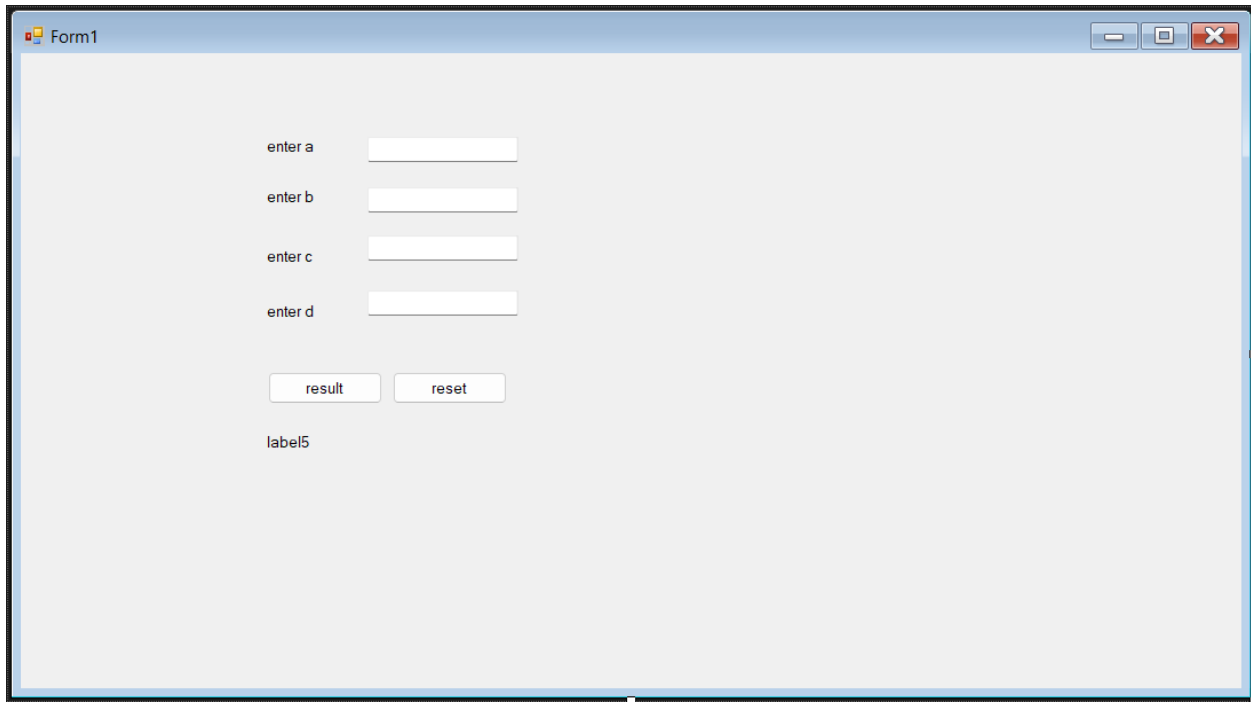


Practical 1: Working with basic C# and ASP.NET

Practical 1(a) : Creating an application that obtains four int values from the user and display the product.

A screenshot of a Windows application window titled "Form1". The window has a standard Windows title bar with minimize, maximize, and close buttons. The main area of the form is light gray. It contains four text input fields arranged vertically, each preceded by the text "enter a", "enter b", "enter c", and "enter d" respectively. Below these input fields are two buttons: "result" and "reset". At the bottom of the form, there is a label with the text "label5".

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace Pr1a
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            int r;
```

```

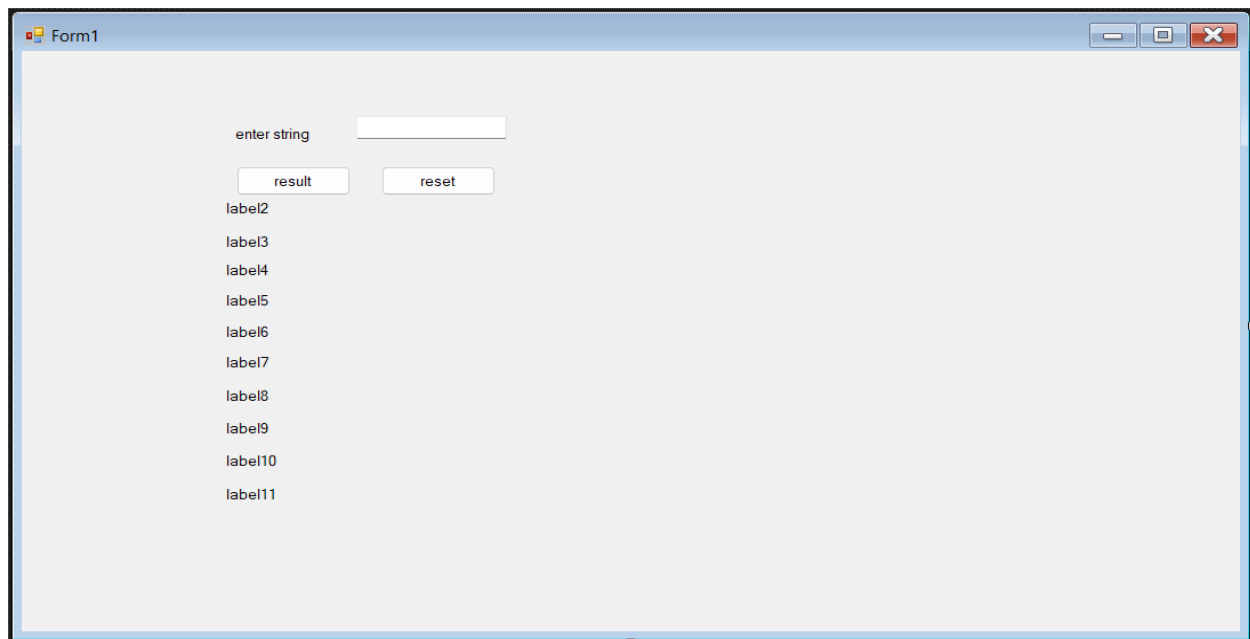
r=Convert.ToInt32(textBox1.Text)*Convert.ToInt32(textBox2.Text)*Convert.ToInt32(textBox3.Text)*Co
nvert.ToInt32(textBox4.Text);
    label5.Text = "Result:" + r.ToString();
}

private void button2_Click(object sender, EventArgs e)
{
    textBox1.Text = "";
    textBox2.Text = "";
    textBox3.Text = "";
    textBox4.Text = "";
    label5.Text = "";
}
}
}

```

The screenshot shows a Windows Form titled "Form1" with a light gray background. It contains four input fields, each preceded by a label: "enter a" with value 5, "enter b" with value 4, "enter c" with value 7, and "enter d" with value 3. Below these fields are two buttons: "result" (highlighted with a blue border) and "reset". At the bottom, the text "Result:420" is displayed.

Practical 1(b) : Creating an application to demonstrate string operation.



```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace Pra1b
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void label3_Click(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            string s = textBox1.Text;
```

```

label2.Text = "String length: " + s.Length;
label3.Text = "substring: " + s.Substring(4, 3);
label4.Text="upper string: "+s.ToUpper();
label5.Text = "lower string: " + s.ToLower();
string rev = "";
for(int i = s.Length - 1; i >= 0; i--)
{
    rev=rev+s[i];
}
label6.Text = "reverse string: " + rev.ToString();
label7.Text = "replace 's' by 't' in string: " + s.Replace('s', 't');
label8.Text = "insert 'u' in string: " + s.Insert(3, "u");
label9.Text = "string truncate: "+s.Trim();
label10.Text = "remove string: " + s.Remove(4);
label11.Text = "index of string: " + s.IndexOf('e');
}

private void button2_Click(object sender, EventArgs e)
{
    label2.Text = "";
    label3.Text = "";
    label4.Text = "";
    label5.Text = "";
    label6.Text = "";
    label7.Text = "";
    label8.Text = "";
    label9.Text = "";
    label10.Text = "";
    label11.Text = "";
    textBox1.Text = "";
}
}

```

enter string: vinitchoughule

result reset

String length: 14

substring: tch

upper string: VINITCHOUGHULE

lower string: vinitchoughule

reverse string: eluhguohctiniv

replace 's' by 't' in string: vinitchoughule

insert 'u' in string: vinitchoughule

string truncate: vinitchoughule

remove string: vini

index of string: 13

Practical 1(c): Create an application that receives the (student ID, Student Name, Course Name, Date of Birth) information from a set of students. The application should also display the information of all the students once the data entered.

Student Id :

Student Name :

Course Name:

Date of Birth :

| October, 2022 | | | | | | |
|---------------|-----|-----|-----|-----|-----|-----|
| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 26 | 27 | 28 | 29 | 30 | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| 31 | 1 | 2 | 3 | 4 | 5 | 6 |

Today: 20-10-2022

show Reset

You entered :

Label

Label

Label

Label

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
```

```

using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

namespace WindowsFormsApp1
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void label2_Click(object sender, EventArgs e)
        {
        }

        private void label3_Click(object sender, EventArgs e)
        {
        }

        private void button1_Click(object sender, EventArgs e)
        {
            label6.Text = "Student Id :" + textBox1.Text;
            label7.Text = "Student Name :" + textBox2.Text;
            label8.Text = "Course Name :" + textBox3.Text;
            label9.Text = "Date of Birth :" + monthCalendar1.SelectionRange.Start.ToString();
        }

        private void button2_Click(object sender, EventArgs e)
        {
            label6.Text = "";
            label7.Text = "";
            label8.Text = "";
            label9.Text = "";
            textBox1.Text = "";
            textBox2.Text = "";
            textBox3.Text = "";
            monthCalendar1.SelectionRange.GetHashCode();
        }
    }
}

```

Form1

Student Id :

Student Name :

Course Name:

Date of Birth :

March, 2003

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

Today: 20-10-2022

You entered :

Student Id :7

Student Name :vinit

Course Name :BScIT

Date of Birth :06-03-2003 00:00:00

Practical 1(d): Create an application to demonstrate following operations:

- I. Generate Fibonacci series.
- II. Test for prime numbers.
- III. Test for vowels.
- IV. Use of foreach loop with arrays.
- V. Reverse a number and find the sum of digits of a number.
- VI.

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;

```

```

namespace AnkPract_1d
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }

        private void button1_Click(object sender, EventArgs e)
        {
            int a, b, c, i, n;
            a = 0;
            b = 1;

            Label6.Text = a.ToString() + b.ToString();
            n = Convert.ToInt32(textBox1.Text);
            for (i=1; i<=n;++i)

```



```

    {
        c = a + b;
        Label6.Text = Label1.Text + c.ToString();
        a = b;
        b = c;
    }
}

private void button2_Click(object sender, EventArgs e)
{
    int i, c = 0, j, num;
    num = Convert.ToInt32(textBox2.Text);
    for(j=1;j<=num;j++)
    {
        i = num % j;
        if(i==0)
        {
            c = c + 1;
        }
    }
    if (c == 2)
        label7.Text = "The given Number is Prime";
    else
        label7.Text = "The given Number is not Prime";
}

private void button3_Click(object sender, EventArgs e)
{
    long num, i, sum = 0;
    num = Convert.ToInt32(textBox3.Text);
    while (num > 0)
    {
        i = num % 10;
        sum = i + sum * 10;
        num = num / 10;
    }
    label8.Text = sum.ToString();
}

private void button4_Click(object sender, EventArgs e)
{
    long num, i, sum = 0;
    num = Convert.ToInt32(textBox4.Text);
    while(num>0)
    {

```

```

        i = num % 10;
        sum = i + sum;
        num = num / 10;
    }
    label9.Text = sum.ToString();
}

private void button5_Click(object sender, EventArgs e)
{
    char c = Convert.ToChar(textBox5.Text);
    switch(c)
    {
        case 'a':
            label10.Text = "a is vowel";
            break;
        case 'e':
            label10.Text = "e is vowel";
            break;
        case 'i':
            label10.Text = "i is vowel";
            break;
        case 'o':
            label10.Text = "o is vowel";
            break;
        case 'u':
            label10.Text = "u is vowel";
            break;
        default:
            label10.Text = "It is not Vowel";
            break;
    }
}

private void label12_Click(object sender, EventArgs e)
{
    label12.Text = "";
    string[] ColorNamer= new string[] { "Red", "Yellow", "Green", "Blue", "Pink" };
    foreach (string ColorName in ColorNamer)
    {
        label12.Text = label12.Text + " " + ColorName.ToString();
    }
}
}
}

```

Form1

| | | | |
|-----------------|--------|------------------------|-------------------------------|
| Enter Number | 7 | Fibonacci Series | Enter Number21 |
| Enter Number | 93 | Check Prime Number | The given Number is not Prime |
| Enter Number | 123456 | Reverse Number | 654321 |
| Enter Number | 123 | Sum of diait of Number | 6 |
| Enter Character | v | Check Vowel or not | It is not Vowel |

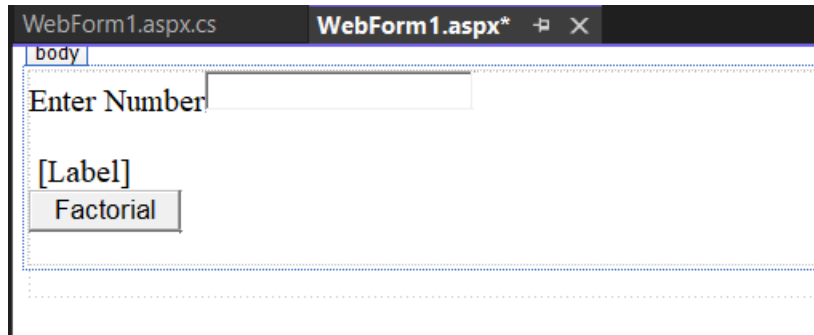
Reading array by using foreach loop:

red yellow green blue pink

Practical 2: Working with object Oriented C# and ASP.NET

Practical 2(a): Create simple application to perform following operations:

i) Finding factorial Value



```
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 Practical2ai
{
    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=int.Parse(TextBox1.Text);
```

```

        f1.cal();
        Label2.Text=f1.f.ToString();
    }
}
}

```

enter a number

5040

result

ii) Money conversion

WebForm1.aspx.cs WebForm1.aspx

body

Enter Amount in Rupees:

US dollar [Label11]

Euros [Label12]

British Pounds [Label13]

Japanese Yen [Label14]

```

using System;
using System.Collections.Generic;
using System.Drawing;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class curConv
{
    public double Dolr(Double r)
    {
        r = r * 0.015;
        return r;
    }
    public double Euros(double r)
    {

```

```

        r = r * 0.012;
        return r;
    }
    public double Pounds(double r)
    {
        r = r * 0.011;
        return r;
    }
    public double Yen(double r)
    {
        r = r * 1.64;
        return r;
    }
}

namespace Practical2aii
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button3_Click(object sender, EventArgs e)
        {
            curConv s = new curConv();
            double r = Convert.ToDouble(TextBox1.Text);
            double rate = s.Pounds(r);
            Label3.Text = rate.ToString();
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            curConv s = new curConv();
            double r = Convert.ToDouble(TextBox1.Text);
            double rate = s.Dolr(r);
            Label1.Text = rate.ToString();
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            curConv s = new curConv();
            double r = Convert.ToDouble(TextBox1.Text);
            double rate = s.Euros(r);
            Label2.Text = rate.ToString();
        }

        protected void Button4_Click(object sender, EventArgs e)
        {

```

```

        curConv s = new curConv();
        double r = Convert.ToDouble(TextBox1.Text);
        double rate = s.Yen(r);
        Label4.Text = rate.ToString();
    }
}
}

```

iii) Quadratic Equation

The Standard Form of a Quadratic Equation looks like this:

```

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

```

```

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

namespace Practical2aiii
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        public void demo()
        {
            double a, b, c, r1, r2, x;
            double det;
            a = Convert.ToInt32(TextBox1.Text);
            b = Convert.ToInt32(TextBox2.Text);
            c = Convert.ToInt32(TextBox3.Text);
            det = (b * b) - (4 * a * c);
            if (det > 0)
            {
                x = Math.Sqrt(det);
                r1 = (-b + x) / (2 * a);
                r2 = (-b - x) / (2 * a);
                Label1.Text = "There are two roots::";
                Label2.Text = r1.ToString();
                Label3.Text = r2.ToString();
            }
            else if (det == 0)
            {
                x = Math.Sqrt(det);
                r1 = (-b + x) / (2 * a);
                Label1.Text = "There are only one root::";
                Label2.Text = r1.ToString();
            }
            else
            {
                Label1.Text = "There is no root!!";
            }
        }
        protected void Page_Load(object sender, EventArgs e)
        {
        }

        protected void TextBox1_TextChanged(object sender, EventArgs e)
        {
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            demo();
        }
    }
}

```


}

Enter a 2

Enter b 5

Enter c -3

Result Reset

There are two roots::
0.6 -1

iv) Temperature Conversion

Temprature Conversion

Enter Value Celsius Celsius to Fahrenheit [Label1]Fahrenheit

Enter Value Fahrenheit Fahrenheit to Celsius [Label2]celsius

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class tempConv
{
    public double ctof(double temp)
    {
        temp = 9.0 / 5.0 * temp + 32;
        return temp;
    }
    public double ftoc(double temp)
    {

```

```

        temp = (temp-32)*5/9;
        return temp;
    }
}

namespace Practical2aiv
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button3_Click(object sender, EventArgs e)
        {
            tempConv s=new tempConv();
            double n=Convert.ToDouble(TextBox2.Text);
            double x=s.ftoc(n);
            Label2.Text = x.ToString();
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            tempConv s=new tempConv();
            double n=Convert.ToDouble(TextBox1.Text);
            double x=s.ctof(n);
            Label1.Text = x.ToString();
        }
    }
}

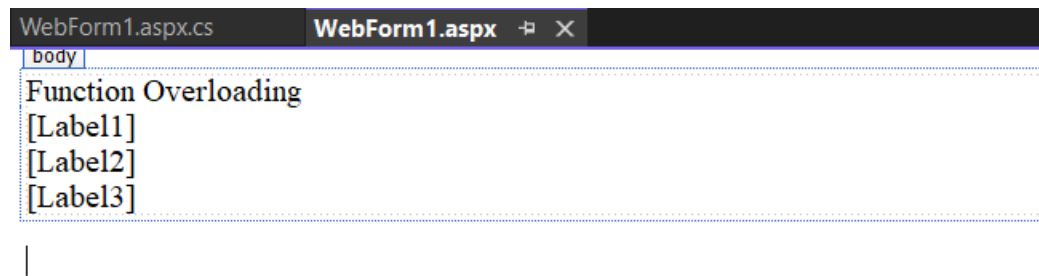
```

Temperature Conversion

| | | | |
|------------------------|---------------------------------|--|---------------|
| Enter Value Celsius | <input type="text" value="5"/> | <input type="button" value="Celsius to Fahrenheit"/> | 41 Fahrenheit |
| Enter Value Fahrenheit | <input type="text" value="41"/> | <input type="button" value="Fahrenheit to Celsius"/> | 5 celsius |

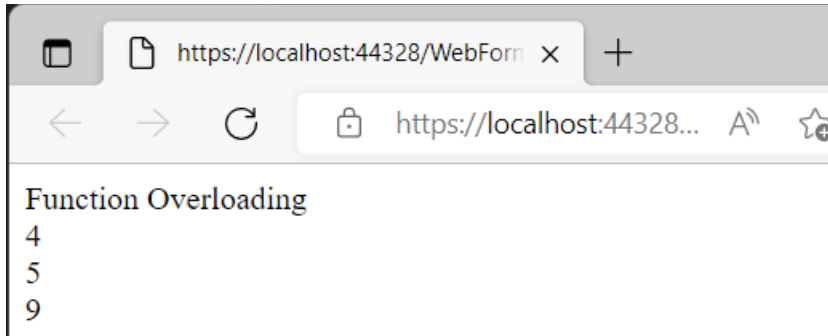
Practical 2(b): Create simple application to demonstrate use of following concepts:

i) Function Overloading



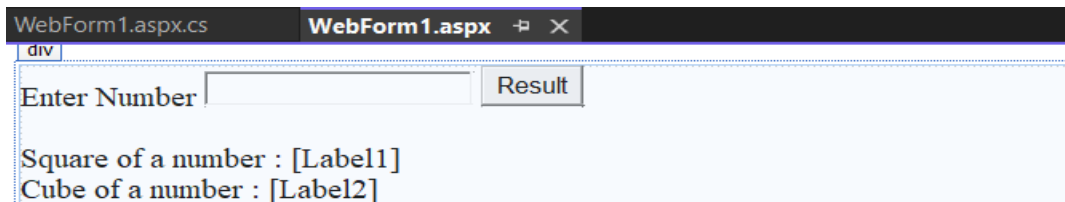
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace Practical2bi
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        public int add(int a)
        {
            return a + a;
        }
        public int add(int a,int b)
        {
            return a + b;
        }
        public int add(int a,int b,int c)
        {
            return a + b + c;
        }
        protected void Page_Load(object sender, EventArgs e)
        {
            int x, y, z;
            x = add(2);
            y = add(2,3);
            z = add(2,3,4);
            Label1.Text=x.ToString();
            Label2.Text=y.ToString();
            Label3.Text=z.ToString();
        }
    }
}
```



ii) Inheritance (all types)

1. Single Inheritance



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class A
{
    public int sqr(int Val1)
    {
        return Val1 * Val1;
    }
}
public class B : A
{
    public int cub(int Val1)
    {
        int v1=sqr(Val1);
        return v1*Val1;
    }
}

namespace Practical2bii1
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

```

```

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        B s=new B();
        int n = Convert.ToInt32(TextBox1.Text);
        int x=s.sqr(n);
        int y=s.cub(n);
        Label1.Text= x.ToString();
        Label2.Text=y.ToString();
    }
}
}

```

Enter Number

Square of a number : 49
Cube of a number : 343

2. Multilevel Inheritance

```

WebForm1.aspx.cs | WebForm1.aspx


Enter Number :  
  

    Number is power of 2 :[Label1]
    Number is power of 3 :[Label2]
    Number is power of 4 :[Label3]


```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class A
{
    public int pow2(int Val1)
    {
        return Val1 * Val1;
    }
}

```

```

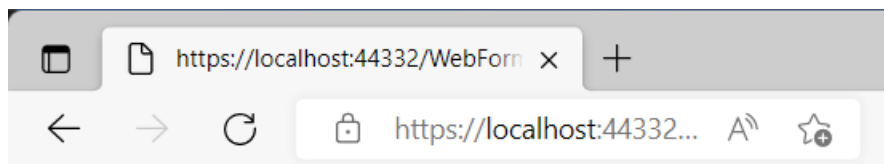
public class B : A
{
    public int pow3(int Val1)
    {
        int v1 = pow2(Val1);
        return v1*Val1;
    }
}
public class C : B
{
    public int pow4(int Val1)
    {
        int v1 = pow3(Val1);
        return v1 * Val1;
    }
}

namespace Practical2bii2
{
    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 s=new C();
            int n=Convert.ToInt32(TextBox2.Text);
            int x=s.pow2(n);
            int y=s.pow3(n);
            int z=s.pow4(n);
            Label1.Text = x.ToString();
            Label2.Text=y.ToString();
            Label3.Text=z.ToString();
        }
    }
}

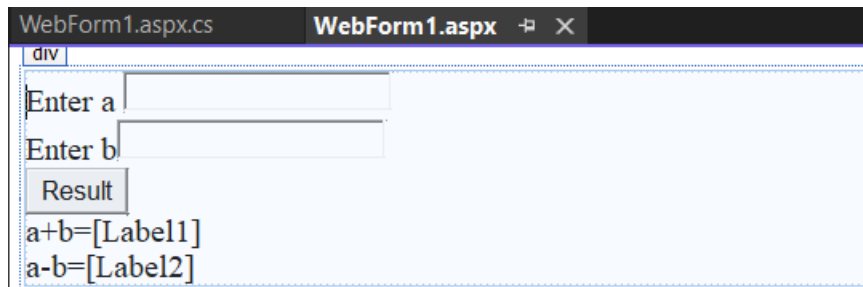
```



Enter Number :

Number is power of 2 :49
 Number is power of 3 :343
 Number is power of 4 :2401

3. Hierarchical Inheritance



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class A
{
    public int a;
    public int b;
}
public class B:A
{
    public int add(int Val1,int Val2)
    {
        a = Val1;
        b = Val2;
        return a+b;
    }
}
public class C : A
{
    public int sub(int Val1, int Val2)
    {
        a = Val1;
        b = Val2;
        return a - b;
    }
}

namespace Practical2bii3
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

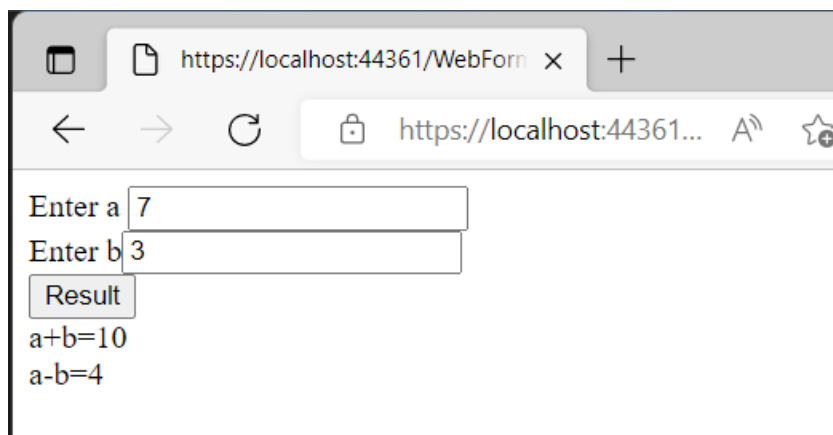
        }

        protected void Button1_Click(object sender, EventArgs e)
```

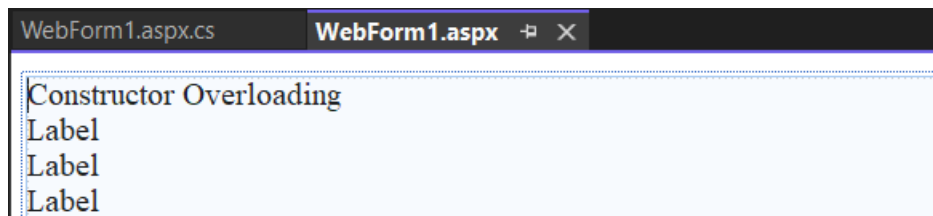
```

    {
        B s1=new B();
        C s2=new C();
        int m = Convert.ToInt32(TextBox1.Text);
        int n = Convert.ToInt32(TextBox2.Text);
        int x=s1.add(m, n);
        int y=s2.sub(m, n);
        Label1.Text = x.ToString();
        Label2.Text=y.ToString();
    }
}
}

```



iii) constructor Overloading



```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public class add
{
    public int r;
    public add(int a)

```



```

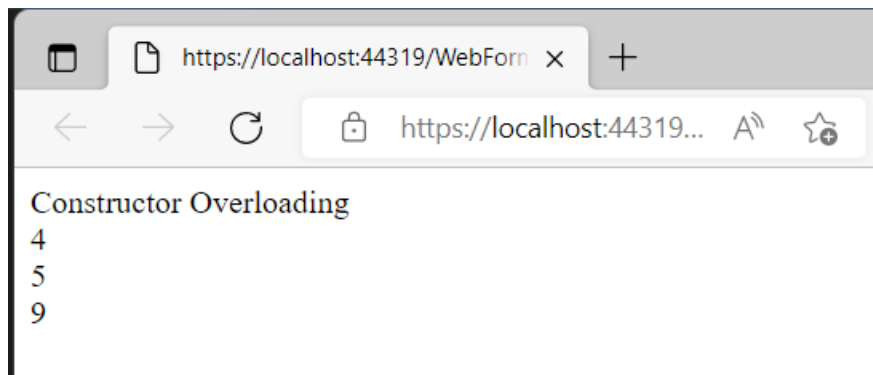
    {
        r = a + a;
    }
    public add(int a,int b)
    {
        r = a + b;
    }
    public add(int a,int b,int c)
    {
        r = a + b + c;
    }
}

```

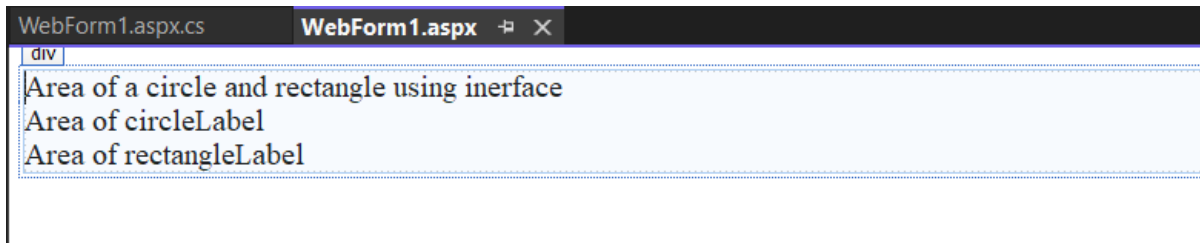
```

namespace Practical2biii
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            add obj1 = new add(2);
            add obj2 = new add(2,3);
            add obj3 = new add(2,3,4);
            Label1.Text=obj1.r.ToString();
            Label2.Text=obj2.r.ToString();
            Label3.Text=obj3.r.ToString();
        }
    }
}

```

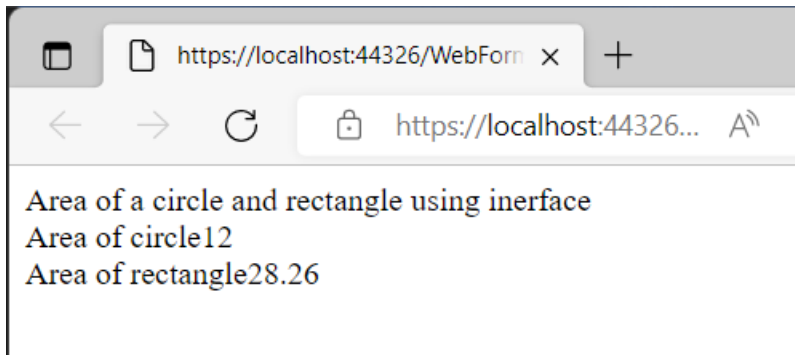


iv) Interfaces



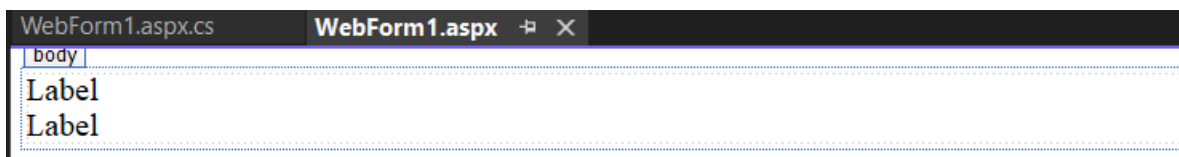
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
interface Area
{
    double show(double s, double t);
}
class Rect:Area
{
    public double show(double s,double t)
    {
        return s*t;
    }
}
class Circle : Area
{
    public double show(double s,double t)
    {
        return (3.14 * s * s);
    }
}

namespace Practical2biv
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Rect r1=new Rect();
            double x = r1.show(3, 4);
            Circle c1=new Circle();
            double y = c1.show(3, 4);
            Label1.Text=x.ToString();
            Label2.Text=y.ToString();
        }
    }
}
```



Practical 2(c): Create simple application to demonstrate use of following concepts.

i) Using Delegates and events



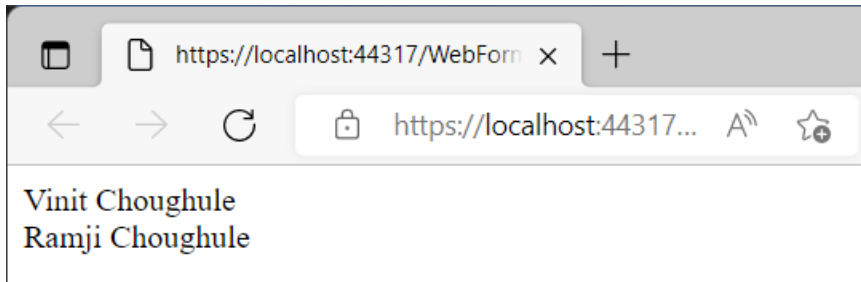
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public delegate string dele();

namespace Practical2ci
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        public static string display1()
        {
            string s1 = "Vinit Choughule";
            return s1;
        }
        public static string display2()
        {
            string s2 = "Ramji Choughule";
            return s2;
        }
        protected void Page_Load(object sender, EventArgs e)
        {
            dele d1 = new dele(display1);
            d1();
            dele d2=new dele(display2);
            d2();
            Label1.Text = d1();
            Label2.Text = d2();
        }
    }
}
```

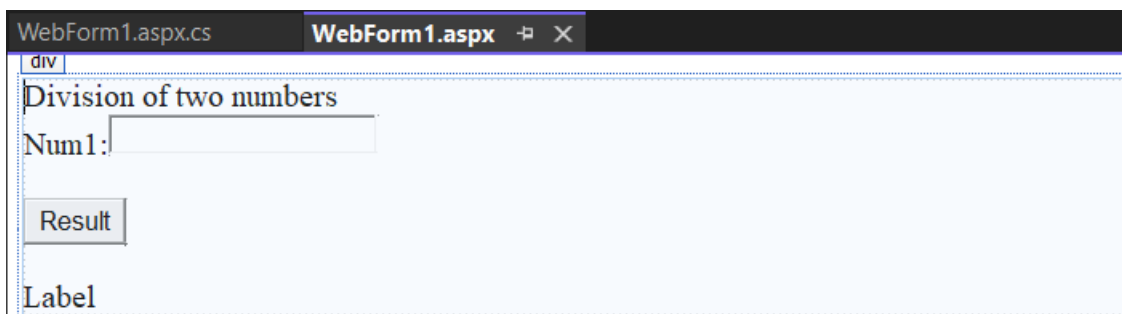
```

    }
}
}

```



ii) Exception handling



```

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

namespace Practical2cii
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

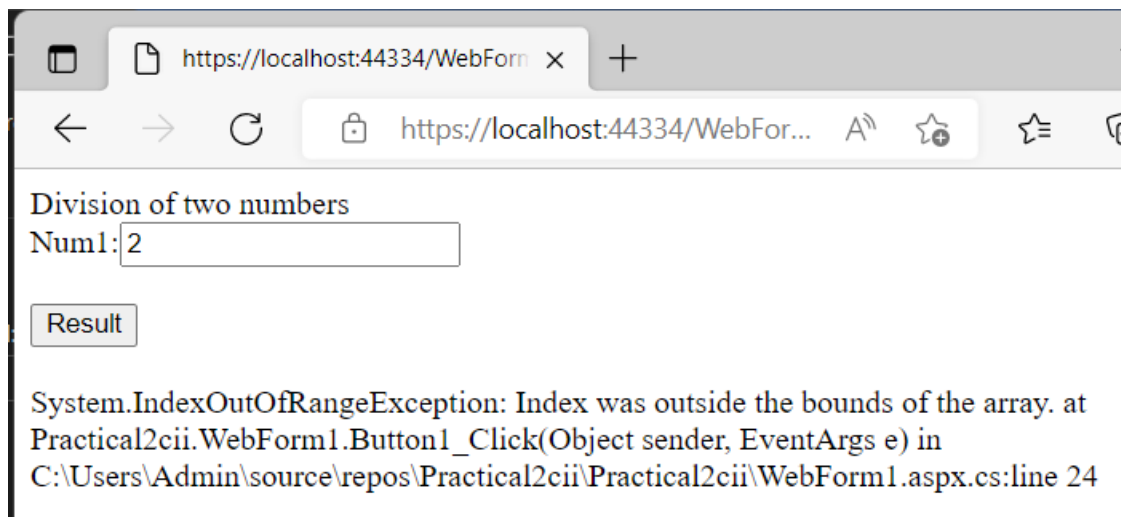
        protected void Button1_Click(object sender, EventArgs e)
        {
            try
            {
                int a = Convert.ToInt32(TextBox1.Text);
                int[] b = { 12, 23, 33 };
                int resultVal;
                resultVal = (b[3] / a);
                Label2.Text="The result is "+resultVal.ToString();
            }
        }
    }
}

```

```

        catch(DivideByZeroException ex)
        {
            Label2.Text = ex.ToString();
        }
        catch(System.IndexOutOfRangeException ex)
        {
            Label2.Text = ex.ToString();
        }
    }
}
}

```



Practical 3(a): Working with web Form and Controls

Practical 3(a): Create a simple web Page with various server controls to demonstrate setting and use of their properties.

viewState Data[Label1]

Get Data

c

c#

c++

java

Show

Select Color ☐ red ☐ green ☐ blue

Select Speical Formatting ☐ bold ☐ italic ☐ underline

select Size 10

Select Name Yash Mane

output

Photo



WebForm1.aspx.cs

```

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

namespace practi3a
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                string str = "vinit choughule";
                if (ViewState["name"] == null)
                {
                    ViewState["name"] = str;
                }
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = ViewState["name"].ToString();
        }
    }
}

```

```

    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        TextBox1.Text = "";
        for(int i=0;i<ListBox1.Items.Count;i++)
        {
            if (ListBox1.Items[i].Selected==true)
            {
                TextBox1.Text = TextBox1.Text + "" + ListBox1.Items[i].Text + "\n";
            }
        }
    }

    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
    {
        Label2.Text = DropDownList1.SelectedItem.Text;
    }

    protected void DropDownList2_SelectedIndexChanged(object sender, EventArgs e)
    {
        Label2.Font.Size = int.Parse(DropDownList2.SelectedItem.Text);
    }

    protected void RadioButton1_CheckedChanged(object sender, EventArgs e)
    {
        Label2.BackColor = System.Drawing.Color.Red;
    }

    protected void RadioButton2_CheckedChanged(object sender, EventArgs e)
    {
        Label2.BackColor=System.Drawing.Color.Green;
    }

    protected void RadioButton3_CheckedChanged(object sender, EventArgs e)
    {
        Label2.BackColor = System.Drawing.Color.Blue;
    }

    protected void CheckBox1_CheckedChanged(object sender, EventArgs e)
    {
        Label2.Font.Bold = true;
    }

    protected void CheckBox2_CheckedChanged(object sender, EventArgs e)
    {
        Label2.Font.Italic = true;
    }

    protected void CheckBox3_CheckedChanged(object sender, EventArgs e)
    {
        Label2.Font.Underline = true;
    }
}

```

OUTPUT:

Practical 4: Working with Form Controls

Practical 4(a): Create a Registration form a demonstrated use of various Validation controls.

ValidationPract.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Practical4a.WebForm1" %>

<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <script runat="server">
        void ValidateBtn_OnClick(object sender,EventArgs e)
        {
            if(Page.IsValid)
            {
                Label1.Text = "Thank You";
            }
            else
            {
                Label1.Text = "the text must be exactly 8 Character Long!";
            }
        }
        void ServerValidation(object source,ServerValidateEventArgs e)
        {
            if (e.Value.Length == 8)
                e.IsValid = true;
            else
                e.IsValid = false;
        }
    </script>
</head>
<body>
    <form id="form1" runat="server">
        <div>
            Enter your Name:<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server" ErrorMessage="Please Enter
Your Name" ControlToValidate="TextBox1" ForeColor="Red"></asp:RequiredFieldValidator>
            <br />
            Enter Your Age:<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
            <asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="TextBox2"
ErrorMessage="Not Valid Age" ForeColor="Red" MaximumValue="100" MinimumValue="18"
Type="Integer"></asp:RangeValidator>
            <br />
            Enter Password:<asp:TextBox ID="TextBox3" runat="server" TextMode="Password"></asp:TextBox>
            <br />
            ReEnter Password:<asp:TextBox ID="TextBox4" runat="server" TextMode="Password"></asp:TextBox>
            <asp:CompareValidator ID="CompareValidator1" runat="server" ControlToCompare="TextBox3"
ControlToValidate="TextBox4" ErrorMessage="Password Should Match!" ForeColor="Red"
Operator="LessThan" Type="Integer"></asp:CompareValidator>
            <br />
            Email ID:<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
```



```

        <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
ControlToValidate="TextBox5" ErrorMessage="Please Enter Valid Email Address" ForeColor="Red"
ValidationExpression="\w+([-+.'\w+)*@\w+([-.'\w+)*\.w+([-.'\w+)*"]></asp:RegularExpressionValidator>
        <br />
        Custom Text:<asp:TextBox ID="TextBox6" runat="server"></asp:TextBox>
        <asp:CustomValidator ID="CustomValidator1" runat="server"
ClientValidationFunction="SeverValidation" ControlToValidate="TextBox6" ErrorMessage="CustomValidator"
ForeColor="Red"></asp:CustomValidator>
        <asp:Label ID="Label1" runat="server" ForeColor="Red"></asp:Label>
        <br />
        <asp:Button ID="Button1" runat="server" Text="Validate" />
        <br />
        <asp:ValidationSummary ID="ValidationSummary1" runat="server" />
    </div>
</form>
</body>
</html>

```

Web.config

```

<?xml version="1.0" encoding="utf-8"?>
<!--
    For more information on how to configure your ASP.NET application, please visit
    https://go.microsoft.com/fwlink/?LinkId=169433
-->
<configuration>
    <appSettings>
        <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"/>
    </appSettings>
    <system.web>
        <compilation debug="true" targetFramework="4.7.2" />
        <httpRuntime targetFramework="4.7.2" />
    </system.web>
    <system.codedom>
        <compilers>
            <compiler language="c#;cs;csharp" extension=".cs"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.CSharpCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default
/nowarn:1659;1699;1701" />
            <compiler language="vb;vbs;visualbasic;vbscript" extension=".vb"
type="Microsoft.CodeDom.Providers.DotNetCompilerPlatform.VBCodeProvider,
Microsoft.CodeDom.Providers.DotNetCompilerPlatform, Version=2.0.1.0, Culture=neutral,
PublicKeyToken=31bf3856ad364e35" warningLevel="4" compilerOptions="/langversion:default /nowarn:41008
/define:_MYTYPE=\\"Web\\"; /optionInfer+ " />
        </compilers>
    </system.codedom>
</configuration>

```

Output

https://localhost:44399/WebForm x +

localhost:44399/WebForm1.aspx

Enter your Name: Please Enter Your Name

Enter Your Age: Not Valid Age

Enter Password:

ReEnter Password: Password Should Match!

Email ID: Please Enter Valid Email Address

Custom Text:

- Please Enter Your Name
- Not Valid Age
- Password Should Match!
- Please Enter Valid Email Address

Practical 4(b): Create Web Form to demonstrate use of Adrotator Control.

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Pract4b.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:AdRotator ID="AdRotator1" runat="server" DataSourceID="XmlDataSource1" Height="300px"
Width="400px" />
<asp:XmlDataSource ID="XmlDataSource1" runat="server"
DataFile="~/XMLFile1.xml"></asp:XmlDataSource>
</div>
</form>
</body>
</html>
```

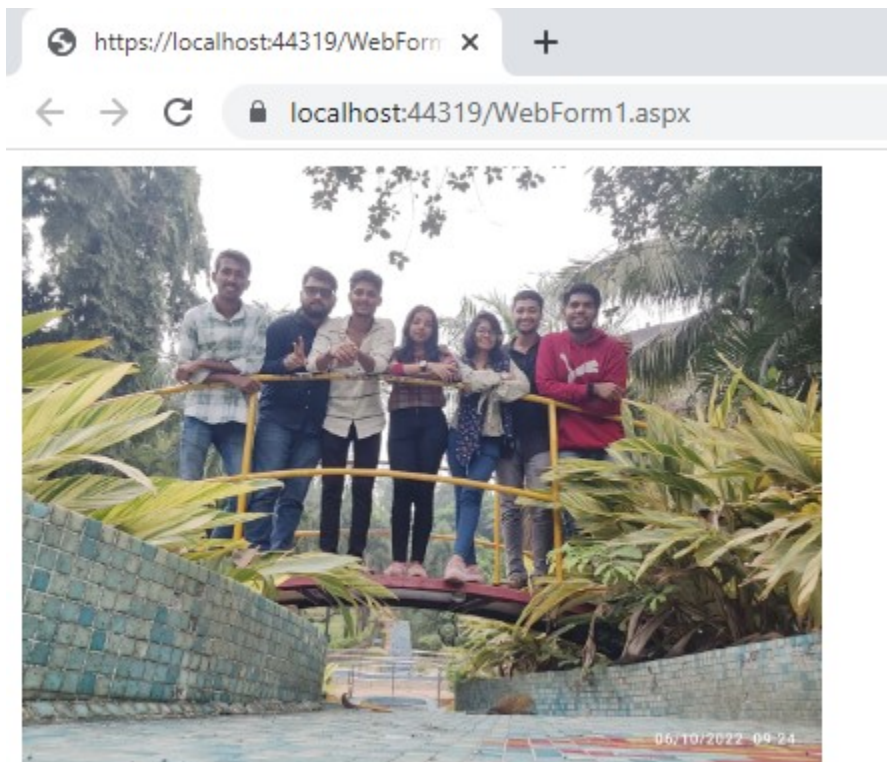
Web.config

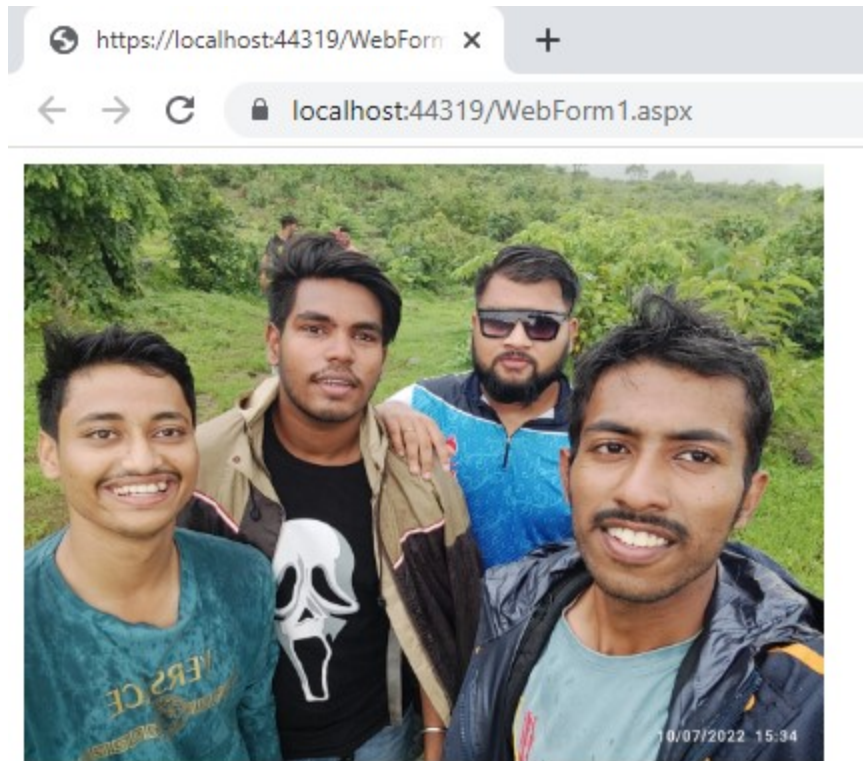
```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
<Ad>
<ImageUrl>v1.jpg</ImageUrl>
<NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>
```

```

    <AlternateText>Order roses and flowers</AlternateText>
    <Impressions>20</Impressions>
    <Keyword>gifts</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>v2.jpg</ImageUrl>
    <NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>
    <AlternateText>Order</AlternateText>
    <Impressions>20</Impressions>
    <Keyword>gifts</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>v3.jpg</ImageUrl>
    <NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>
    <AlternateText>flowers</AlternateText>
    <Impressions>20</Impressions>
    <Keyword>gifts</Keyword>
  </Ad>
  <Ad>
    <ImageUrl>v4.jpg</ImageUrl>
    <NavigateUrl>http://www.babybouquets.com.au</NavigateUrl>
    <AlternateText>cars</AlternateText>
    <Impressions>20</Impressions>
    <Keyword>gifts</Keyword>
  </Ad>
</Advertisements>

```





Practical 4(c): Create Web Form to demonstrate user Controls.

footer.ascx

```
<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="footer.ascx.cs" Inherits="Pract4c.footer"
%>
<table>
  <tr>
    <td align="center" style="font-family: Cambria; background-color: #00CCFF;
font-size: 14px; text-decoration: blink color: #FF0000; font-weight: bold;">
      Vinit Choughule</td>
  </tr>
</table>
```

Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Pract4c.WebForm1" %>

<%@ Register src="footer.ascx" tagname="footer" tagprefix="uc1" %>

<!DOCTYPE html>

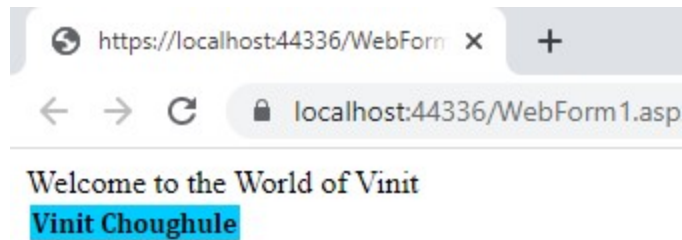
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
```

```

<form id="form1" runat="server">
    <div>
        <asp:Label ID="Label1" runat="server" Text="Welcome to the World of Vinit"></asp:Label>
    </div>
    <uc1:footer ID="footer1" runat="server" />
</form>
</body>
</html>

```

OUTPUT:



Practical 6a: Create a web application to bind data in a multiline textbox by querying in another textbox

```

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

```

```

namespace Practical6atrial1

```

```

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

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            try
            {
                //establishing connection
                String str = WebConfigurationManager.ConnectionStrings["c1"].ConnectionString;
                SqlConnection con=new SqlConnection(str);
            }
        }
    }
}

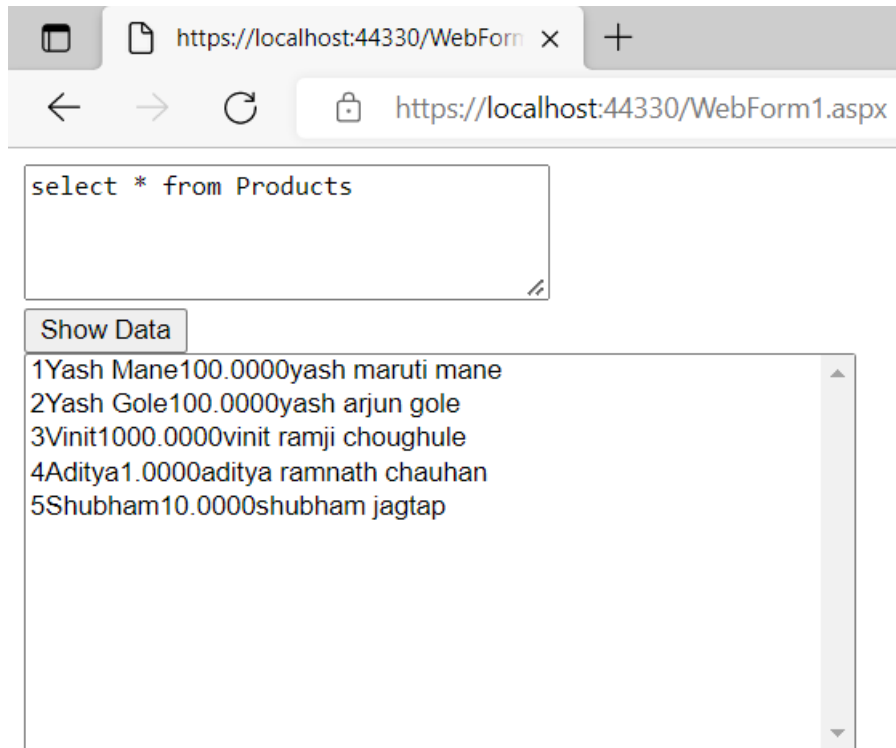
```

```

//open connection
con.Open();
//create sqlcommand
SqlCommand cmd = new SqlCommand(textBox1.Text, con);
//execute query
SqlDataReader dr = cmd.ExecuteReader();
//clear a listbox
ListBox1.Items.Clear();
//adding result in listbox
while (dr.Read())
{
    String itemstr = "";
    for(int i = 0; i < dr.FieldCount; i++)
    {
        itemstr=itemstr + dr[i].ToString();
    }
    ListBox1.Items.Add(itemstr);
}
//close connectkion
con.Close();
}
catch(Exception ex)
{
    ListBox1.Items.Clear();
    ListBox1.Items.Add("Invalid Query"+ex.Message);
}
}
}
}

```

output



Practical6b: Create a web application to display records by using database.

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

namespace Pract6btrial
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            String connStr = ConfigurationManager.ConnectionStrings["connStr"].ConnectionString;
            SqlConnection con = new SqlConnection(connStr);
            SqlCommand cmd = new SqlCommand("Select FirstName,Phone from Customer", con);
            con.Open();
            SqlDataReader reader = cmd.ExecuteReader();
            while (reader.Read())
            {

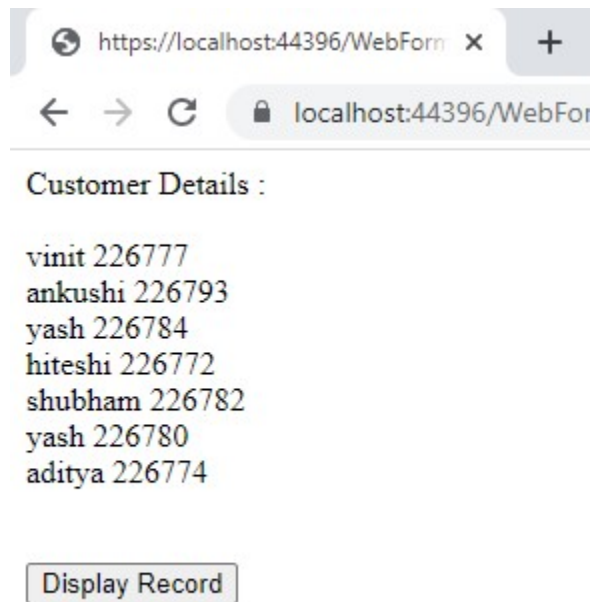
```

```

        Label2.Text += reader["FirstName"].ToString() + " " + reader["Phone"].ToString() + "<br>";
    }
    reader.Close();
    con.Close();
}
}
}

```

output



Practical 6c: Demonstrate the use of datalist link control

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Pract6c.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:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%"$
ConnectionStrings:you2ConnectionString %>" SelectCommand="SELECT * FROM
[Customer]"></asp:SqlDataSource>

```

```

            <br />

```

```

            <asp:DataList ID="DataList1" runat="server" BackColor="LightGoldenrodYellow" BorderColor="Tan"
BorderWidth="1px" CellPadding="2" DataKeyField="Id" DataSourceID="SqlDataSource1" ForeColor="Black">

```

```

                <AlternatingItemStyle BackColor="PaleGoldenrod" />

```

```

                <FooterStyle BackColor="Tan" />

```

```

                <HeaderStyle BackColor="Tan" Font-Bold="True" />

```

```

                <ItemTemplate>

```

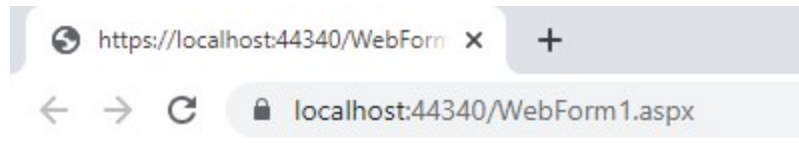


```

Id:
<asp:Label ID="IdLabel" runat="server" Text="<%# Eval("Id") %>" />
<br />
FirstName:
<asp:Label ID="FirstNameLabel" runat="server" Text="<%# Eval("FirstName") %>" />
<br />
LastName:
<asp:Label ID="LastNameLabel" runat="server" Text="<%# Eval("LastName") %>" />
<br />
City:
<asp:Label ID="CityLabel" runat="server" Text="<%# Eval("City") %>" />
<br />
Country:
<asp:Label ID="CountryLabel" runat="server" Text="<%# Eval("Country") %>" />
<br />
Phone:
<asp:Label ID="PhoneLabel" runat="server" Text="<%# Eval("Phone") %>" />
<br />
<br />
</ItemTemplate>
<SelectedItemStyle BackColor="DarkSlateBlue" ForeColor="GhostWhite" />
</asp:DataList>
</div>
</form>
</body>
</html>

```

output



Id: 1
FirstName: vinit
LastName: choughule
City: kailas nagar
Country: india
Phone: 226777

Id: 2
FirstName: ankushi
LastName: sachan
City: model college
Country: india
Phone: 226793

Id: 3
FirstName: yash
LastName: mane
City: chinchpada
Country: india
Phone: 226784

Id: 4
FirstName: hiteshi
LastName: bhajani
City: vijay nagar
Country: india
Phone: 226772

Id: 5
FirstName: shubham
LastName: jagtap
City: murbad
Country: india
Phone: 226782

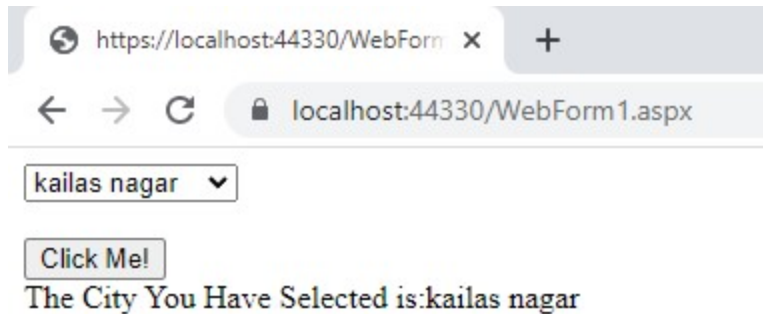
PRACTICAL7A: create a web application to display databinding using dropdownlist control.

CODE OF C# CODE BEHIND FILE

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

namespace practical7a
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if(!IsPostBack)
            {
                try
                {
                    string conStr = WebConfigurationManager.ConnectionStrings["c1"].ConnectionString;
                    SqlConnection con = new SqlConnection(conStr);
                    con.Open();
                    SqlCommand cmd = new SqlCommand("select * from Customer", con);
                    SqlDataReader dr = cmd.ExecuteReader();
                    DropDownList1.DataSource = dr;
                    DropDownList1.DataTextField = "City";
                    this.DataBind();
                } catch (Exception ex)
                {
                    Label1.Text = ex.Message;
                }
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = "The City You Have Selected is:" + DropDownList1.SelectedValue;
        }
    }
}
```



Practical7b:create a web application for to display no of customer using database.

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

namespace Pract7b
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                try
                {
                    string conStr = WebConfigurationManager.ConnectionStrings["c1"].ConnectionString;
                    SqlConnection con = new SqlConnection(conStr);
                    con.Open();
                    SqlCommand cmd = new SqlCommand("select * from Customer", con);
                    SqlDataReader dr = cmd.ExecuteReader();
                    DropDownList1.DataSource = dr;
                    DropDownList1.DataTextField = "FirstName";
                    DropDownList1.DataValueField = "Phone";
                    this.DataBind();
                }
                catch (Exception ex)
                {
                    Label1.Text = ex.Message;
                }
            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {

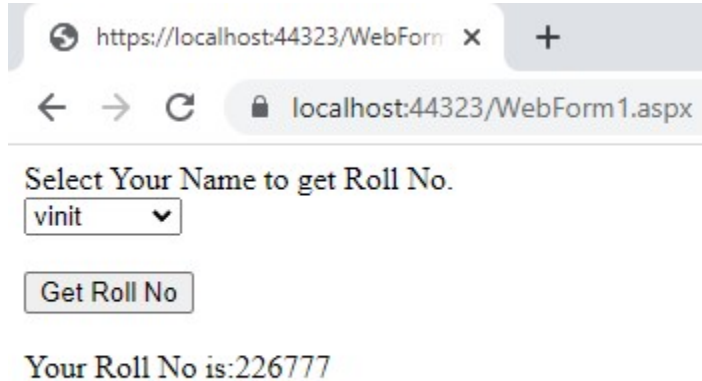
```

```

        Label1.Text = "Your Roll No is:" + DropDownList1.SelectedValue;
    }
}
}

```

output



Practical 7c: Create a web application for inserting and deleting record from a database.

```

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

namespace Practocal7c
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            try
            {
                string c1 =
WebConfigurationManager.ConnectionStrings["c1"].ConnectionString;
                SqlConnection con = new SqlConnection(c1);
                string InsertQuery = "insert into customer
values(@fname,@lname,@city,@country,@phone)";
                SqlCommand cmd = new SqlCommand(InsertQuery, con);
                cmd.Parameters.AddWithValue("@fname", TextBox1.Text);
                cmd.Parameters.AddWithValue("@lname", TextBox2.Text);
                cmd.Parameters.AddWithValue("@city", TextBox3.Text);
            }
            catch
            {

            }
        }
    }
}

```

```

        cmd.Parameters.AddWithValue("@country", TextBox4.Text);
        cmd.Parameters.AddWithValue("@phone", TextBox5.Text);
        con.Open();
        cmd.ExecuteNonQuery();
        Label11.Text = "Record Inserted Sucessfully";
        con.Close();
    }
    catch (Exception ex)
    {
        Label11.Text = ex.Message;
    }
}

protected void Button2_Click(object sender, EventArgs e)
{
    try
    {
        string c1 =
WebConfigurationManager.ConnectionStrings["c1"].ConnectionString;
        SqlConnection con = new SqlConnection(c1);
        SqlCommand cmd = new SqlCommand("delete from customer where
FirstName=@fname", con);
        cmd.Parameters.AddWithValue("@fname", TextBox1.Text);
        con.Open();
        cmd.ExecuteNonQuery();
        Label11.Text = "Record Deleted Succesfully";
        con.Close();
    }
    catch(Exception ex)
    {
        Label11.Text = ex.Message;
    }
}
}
}

```

output

Enter Customer First Name:

Enter Customer Last Name:

Enter Customer City:

Enter Customer Country:

Enter Customer Phone:

Record Inserted Sucessfully

Enter Customer First Name:

Enter Customer Last Name:

Enter Customer City:

Enter Customer Country:

Enter Customer Phone:

Invalid column name 'FirstName'.

Practical8(c): Create a web application to display using Disconnected Data Access and databinding using GridView.

```
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;
using System.Data;
```

```
namespace Practical8c
{
```

```

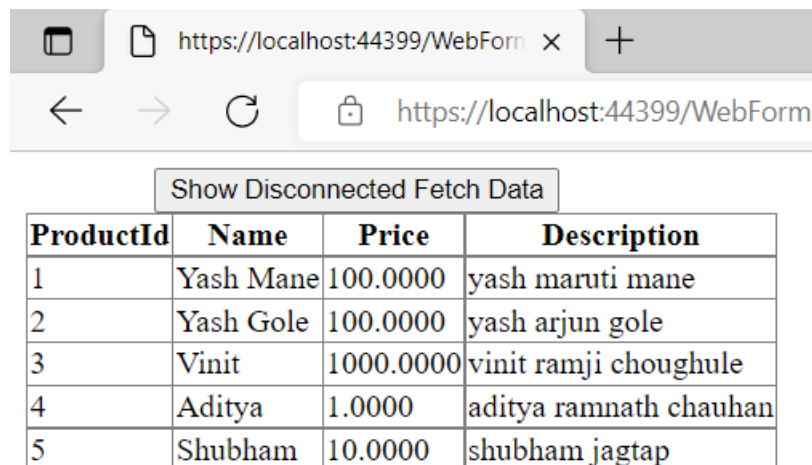
public partial class WebForm1 : System.Web.UI.Page
{
    SqlConnection con=new SqlConnection("Data Source=LAPTOP-NIQ8RJ1U\\SQLEXPRESS;Initial
Catalog=you2;Integrated Security=True");
    SqlDataAdapter da;
    DataSet ds=new DataSet();
    protected void Page_Load(object sender, EventArgs e)
    {

    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        da = new SqlDataAdapter("select * from Products", con);
        da.Fill(ds, "Name");
        GridView1.DataSource=ds;
        GridView1.DataBind();
    }
}

```

Output:



The screenshot shows a web browser window with the address bar displaying 'https://localhost:44399/WebForm'. Below the browser window, there is a button labeled 'Show Disconnected Fetch Data'. Below the button is a table with 4 columns: ProductId, Name, Price, and Description. The table contains 5 rows of data.

| ProductId | Name | Price | Description |
|-----------|-----------|-----------|------------------------|
| 1 | Yash Mane | 100.0000 | yash maruti mane |
| 2 | Yash Gole | 100.0000 | yash arjun gole |
| 3 | Vinit | 1000.0000 | vinit ramji choughule |
| 4 | Aditya | 1.0000 | aditya ramnath chauhan |
| 5 | Shubham | 10.0000 | shubham jagtap |

Practical 9a: Create a web application to demonstrate use of GridView control template and GridView hyperlink

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Practical9a.WebForm1" %>

```

```

<!DOCTYPE html>

```

```

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

```

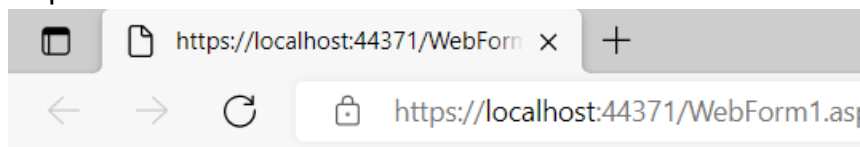


```

<form id="form1" runat="server">
  <div>
    <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
DataKeyNames="ProductId" DataSourceID="SqlDataSource1">
      <Columns>
        <asp:HyperLinkField DataNavigateUrlFields="ProductId"
DataNavigateUrlFormatString="~/WebForm2.aspx?Productid={0}" DataTextField="ProductId"
DataTextFormatString="{0}" HeaderText="Product Id" NavigateUrl="~/WebForm2.aspx" />
        <asp:BoundField DataField="Name" HeaderText="Name" SortExpression="Name" />
        <asp:BoundField DataField="Price" HeaderText="Price" SortExpression="Price" />
        <asp:BoundField DataField="Description" HeaderText="full name" SortExpression="Description" />
      </Columns>
      <EmptyDataTemplate>
        no record found
      </EmptyDataTemplate>
    </asp:GridView>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%"$
ConnectionStrings:you2ConnectionString %" SelectCommand="SELECT * FROM
[Products]"></asp:SqlDataSource>
  </div>
</form>
</body>
</html>

```

output



| Product Id | Name | Price | full name |
|-------------------|-----------|-----------|------------------------|
| 1 | Yash Mane | 100.0000 | yash maruti mane |
| 2 | Yash Gole | 100.0000 | yash arjun gole |
| 3 | Vinit | 1000.0000 | vinit ramji choughule |
| 4 | Aditya | 1.0000 | aditya ramnath chauhan |
| 5 | Shubham | 10.0000 | shubham jagtap |

Practical 9B: Create web application to demonstrate use of GridView button and GridView events.

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Practical9b.WebForm1" %>

```

```

<!DOCTYPE html>

```

```

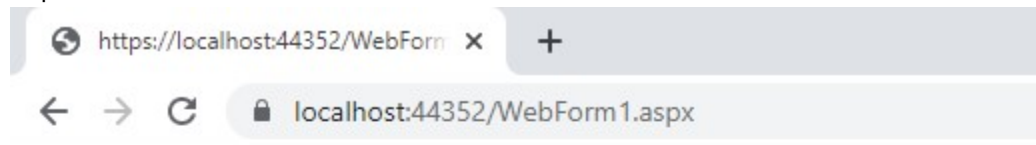
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">

```

```

<div>
    <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False" DataKeyNames="Id"
DataSourceID="SqlDataSource1" OnRowCommand="GridView1_RowCommand">
        <Columns>
            <asp:BoundField DataField="Id" HeaderText="Id" ReadOnly="True" SortExpression="Id" />
            <asp:BoundField DataField="FirstName" HeaderText="FirstName" SortExpression="FirstName" />
            <asp:BoundField DataField="LastName" HeaderText="LastName" SortExpression="LastName" />
            <asp:BoundField DataField="City" HeaderText="City" SortExpression="City" />
            <asp:BoundField DataField="Country" HeaderText="Country" SortExpression="Country" />
            <asp:BoundField DataField="Phone" HeaderText="Phone" SortExpression="Phone" />
            <asp:ButtonField CommandName="b1" Text="Button" />
        </Columns>
    </asp:GridView>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%%$
ConnectionStrings:you2ConnectionString %>" SelectCommand="SELECT * FROM
[Customer]"></asp:SqlDataSource>
</div>
</form>
</body>
</html>
output

```



| Id | FirstName | LastName | City | Country | Phone | |
|----|-----------|-----------|---------------|---------|--------|------------------------|
| 1 | vinit | choughule | kailas nagar | india | 226777 | |
| 2 | ankushi | sachan | model college | india | 226793 | Button |
| 3 | yash | mane | chinchpada | india | 226784 | Button |
| 4 | hiteshi | bhajani | vijay nagar | india | 226772 | Button |
| 5 | shubham | jagtap | murbad | india | 226782 | Button |
| 6 | yash | gole | saket college | india | 226780 | Button |
| 7 | aditya | chauhan | nandivali | india | 226774 | Button |

Practical 9C

```

<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="Practical9c.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:GridView ID="GridView1" runat="server" AllowPaging="True" AutoGenerateColumns="False"
      BackColor="White" BorderColor="#999999" BorderStyle="Solid" BorderWidth="1px" CellPadding="3"
      DataKeyNames="Name" DataSourceID="SqlDataSource1" ForeColor="Black" GridLines="Vertical">
      <AlternatingRowStyle BackColor="#CCCCCC" />
      <Columns>
        <asp:BoundField DataField="Name" HeaderText="Name" ReadOnly="True"
SortExpression="Name" />
        <asp:BoundField DataField="Club" HeaderText="Club" SortExpression="Club" />
        <asp:BoundField DataField="Country" HeaderText="Country" SortExpression="Country" />
        <asp:BoundField DataField="Position" HeaderText="Position" SortExpression="Position" />
        <asp:BoundField DataField="Points" HeaderText="Points" SortExpression="Points" />
      </Columns>
      <FooterStyle BackColor="#CCCCCC" />
      <HeaderStyle BackColor="Black" Font-Bold="True" ForeColor="White" />
      <PagerStyle BackColor="#999999" ForeColor="Black" HorizontalAlign="Center" />
      <SelectedRowStyle BackColor="#000099" Font-Bold="True" ForeColor="White" />
      <SortedAscendingCellStyle BackColor="#F1F1F1" />
      <SortedAscendingHeaderStyle BackColor="#808080" />
      <SortedDescendingCellStyle BackColor="#CAC9C9" />
      <SortedDescendingHeaderStyle BackColor="#383838" />
    </asp:GridView>
    <asp:SqlDataSource ID="SqlDataSource1" runat="server" ConnectionString="<%=
ConnectionStrings:you2ConnectionString %>" SelectCommand="SELECT * FROM
[football]"></asp:SqlDataSource>
  </div>
</form>
</body>
</html>

```



| Name | Club | Country | Position | Points |
|--------------------|-------------------|-------------|----------|--------|
| Alphonso Davies | Bayern Munich | Canada | LB | 94 |
| Antony Matheus | Manchester United | Brazil | RW | 98 |
| Benjamin Pavard | Bayern Munich | France | RB | 92 |
| Bukayo Saka | Arsenal | England | RM | 99 |
| Erling Haaland | Manchester City | Norway | ST | 100 |
| Federico Valverde | Real Madrid | Uruguay | RM | 92 |
| Gabriel Martinelli | Arsenal | Brazil | CAM | 96 |
| Granit Xhaka | Arsenal | Switzerland | CM | 95 |
| Jack Grealish | Manchester City | England | LW | 97 |
| Jamal Musiala | Bayern Munich | Germany | CAM | 96 |
| 1 2 3 | | | | |

https://localhost:44389/WebForm1.aspx

| Name | Club | Country | Position | Points |
|-----------------|-----------------|-----------|----------|--------|
| Joao Cancelo | Manchester City | Portugal | RB | 99 |
| Joshua Kimich | Bayern Munich | Germany | CDM | 95 |
| Junior Neymar | PSG | Brazil | LW | 96 |
| Karim Benzema | Real Madrid | France | ST | 92 |
| Kevin De Bruyne | Manchester City | Belgium | CAM | 99 |
| Kylian Mbappe | PSG | France | ST | 93 |
| Leroy Sane | Bayern Munich | Germany | LW | 94 |
| Lionel Messi | PSG | Argentina | RW | 97 |
| Marco Verratti | PSG | Argentina | CM | 92 |
| Martin Odegaard | Arsenal | Norway | CAM | 92 |
| 1 2 3 | | | | |

https://localhost:44389/WebForm1.aspx

| Name | Club | Country | Position | Points |
|-----------------|-----------------|----------|----------|--------|
| Mohamed Salah | Liverpool | Egypt | LW | 93 |
| Rodri | Manchester City | Portugal | CDM | 97 |
| Sergio Busquets | FC Barcelona | Spain | CDM | 93 |
| Vinicius Junior | Real Madrid | Brazil | LW | 96 |
| 1 2 3 | | | | |