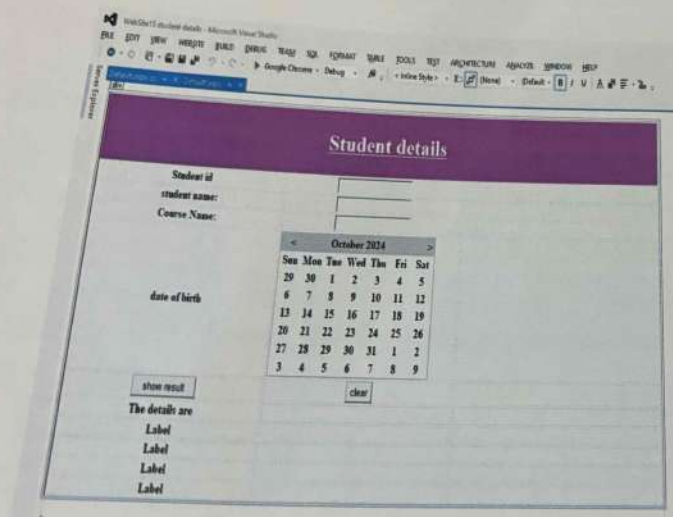
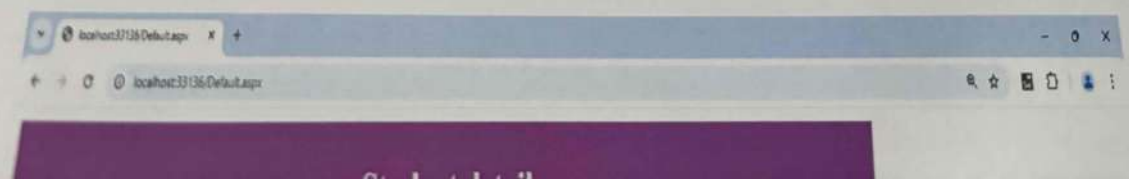
once the data is enters.

DE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
 protected void Page_Load(object sender, EventArgs e)
 {
 }
 protected void Button1_Click(object sender, EventArgs e)
 {
  Label5.Text = "student id = " + TextBox1.Text;
  Label6.Text = "student name = " + TextBox2.Text;
  Label7.Text = "student course = " + TextBox3.Text;
  Label8.Text = "date of birth = " + Calendar1.SelectedDate.
     ToString();
 }
protected void Button2_Click(object sender, EventArgs e)
{
  TextBox1.Text = "";
  TextBox2.Text = "";
```


Student details
Student id
student name:
Course Name:
October 2024
Sun Mon Tue Wed Thu Fri Sat
date of birth
show result
clear
The details are
Label
Label
Label
Label


localhost:33136/Default.aspx
localhost:33136/Default.aspx

Write an application to demonstrate the following operation 1] Fibonacci series 2] Test for Prime Number 3] Test for vowel 4] Sum of digit number 5] Reverse the number 6] use of for each loop with array.

CODE:-
```
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.
Page
{
  protected void Page_Load(object sender,
  EventArgs e)
  {
  }
  protected void Button1_Click(object sender,
  EventArgs e)
  { int a,b,c,i,n;
    a=0; b=1;
    Label1.Text =a.ToString()+b.ToString();
    n=Convert.ToInt32(TextBox1.Text);
    for(i=1; i<=n; i++)
    { c=a+b;
      Label1.Text=Label1.Text+c.ToString();
      a=b;
      b=c;
  }}
```

FOR EDUCATIONAL USE

```
protected void Button2_Click(object sender,
 EventArgs e)
{ char c = Convert.ToChar(TextBox2.Text);
 switch (c)
 { case 'a':
      Label2.Text = "a is a vowel";
      break;
  case 'e':
      Label2.Text = "e is a vowel";
      break;
  case 'i':
      Label2.Text = "i is a vowel";
      break;
  case 'o':
      Label2.Text = "o is a vowel";
      break;
  case 'u':
      Label2.Text = "u is a vowel";
      break;
  case 'A':
      Label2.Text = "A is a vowel";
      break;
  case 'E':
      Label2.Text = "E is a vowel";
      break;
  case 'I':
      Label2.Text = "I is a vowel";
      break;
```

FOR EDUCATIONAL USE

```
        case 'O':
            Label2.Text ="O is a vowel";
            break;
        case 'U':
            Label2.Text ="U is a vowel";
            break;
        default:
            Label2.Text = "is not a vowel";
            break; }}
protected 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;
  } Label3.Text = sum.ToString(); }
protected void Button4_Click1(Object sender,EventArgs e)
{ long num, i, sum = 0;
  num = Convert.ToInt32(TextBox3.Text);
  while (num >0)
  { i = num % 10;
    sum = i + sum;
    num = num /10; }
  Label4.Text = sum.ToString();
  }
}
protected void Button5_Click(Object sender,EventArgs e)
```

FOR EDUCATIONAL USE

```
{
  int n, i, s =0;
n= Convert.ToInt32(TextBox1.Text);
if(n==0||n==1)
s=1;
for(i=2;i<=n/2;++i)
{
s=1;
break;
}
}
if(s==0)
Label5.Text="The given number is prime";
else
Label5.Text="The given number is not prime";
}
```

FOR EDUCATIONAL USE

Default.aspx.cs Default.aspx

OPERATIONS ON VALUE

Enter a number		fibonacci series	Label
Enter a alphabet		check for vowels	Label
Enter a number		reverse no	Label
Sum of numbers		sum	Label

String must be exactly one cha localhost55949/Default.aspx

localhost55949/Default.aspx

OPERATIONS ON VALUE

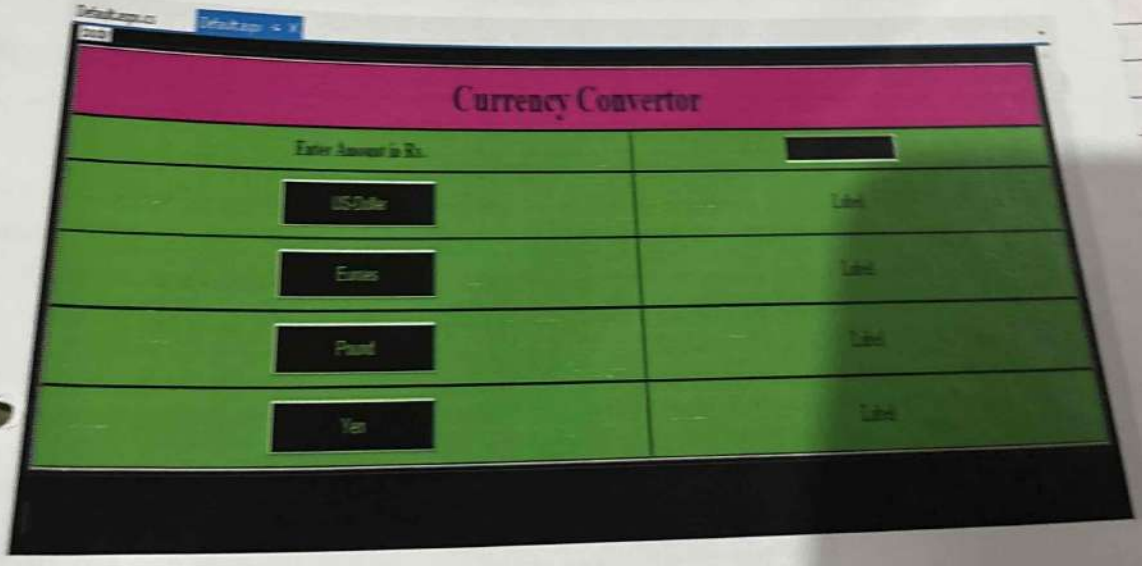
Enter a number	2	fibonacci series	0112
Enter a alphabet	abhinav	check for vowels	Label
Enter a number	234	reverse no	432
Sum of numbers	567	sum	18

Practical No.: 02

a) Aim: Create an application to perform money conversion operation.

CODE:
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default:System.Web.UI.Page
{
  protected void Page_Load(object sender, EventArgs e)
  {
  }
  protected void Button1_Click(object sender, EventArgs e)
  {
    double x = Convert.ToDouble(TextBox1.Text);
    x = x * 0.015;
    Label1.Text = Convert.ToString(x);
  }
  protected void Button2_Click(object sender, EventArgs e)
  {
    double x = Convert.ToDouble(TextBox1.Text);
    x = x * 0.012;
    Label2.Text = Convert.ToString(x);
  }
```

```
protected void Button3_Click(object sender, EventArgs e)
{
 double x = Convert.ToDouble(TextBox1.Text);
 x = x * 0.011;
 Label3.Text = Convert.ToString(x);
}

protected void Button4_Click(object sender, EventArgs e)
{
 double x = Convert.ToDouble(TextBox1.Text);
 x = x * 0.164;
 Label4.Text = Convert.ToString(x);
}
}
```


Currency Convertor
Enter Amount in Rs.
US Dollar
Euros
Pound
Yen

Currency Convertor

B] Aim:- Create an application for temperture conversion.

CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{

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

  protected void Button1_Click(object sender, EventArgs e)
  {

    double x = Convert.ToDouble(TextBox1.Text);
    x = 9.0/5.0 * x + 32;
    Label1.Text = Convert.ToString(x);
  }

  protected void Button2_Click(object sender, EventArgs e)
  {

    double x = Convert.ToDouble(TextBox2.Text);
    x = (x-32) * 5/9;
    Label2.Text = Convert.ToString(x);
  }
}
```

Default.aspx.cs Default.aspx

td.auto-style6

Temperature Conversion

Enter Value in Celsius		Celsius To Fahrenheit	Result
Enter value in Fahrenheit		Fahrenheit To Celsius	Result

c) Aim:- Create an application to demonstrate function overloading.

CODE:-
```
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.WebUI;
using System.Web.UI.WebControls;
public partial class _Default: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();
  }
}
```

FOR EDUCATIONAL USE

Default.aspx.cs Default.aspx

body

Function overloading

Label

Label

Label

localhost:8021/Default.aspx

localhost:8021/Default.aspx

Function overloading

4

50

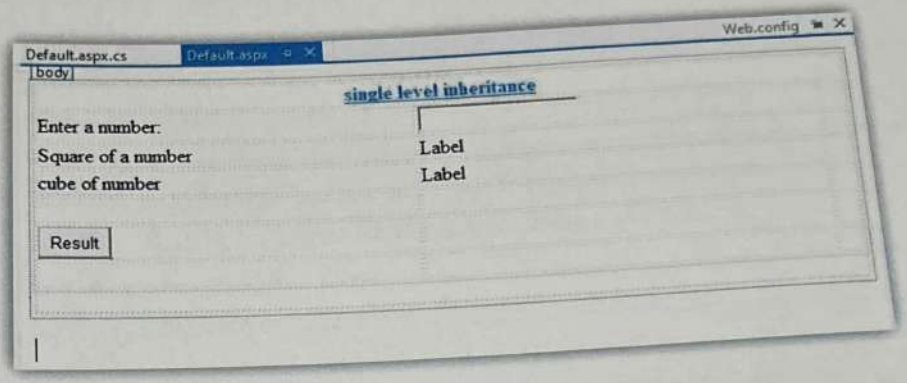
70

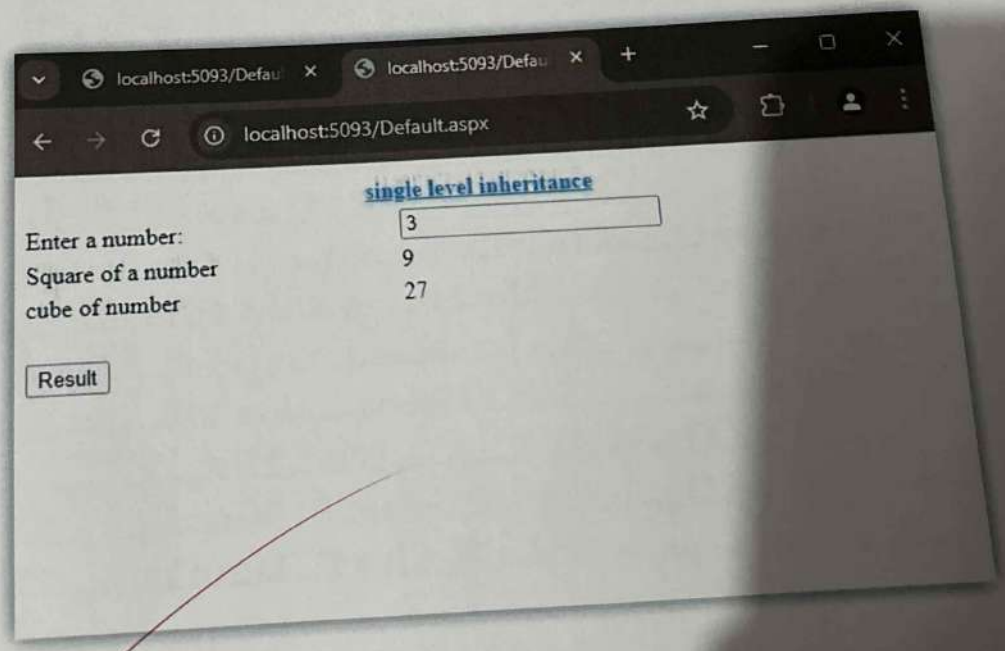
D] Aim:- Create an application to implement single inheritance.

CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{ protected void Page_Load(object sender, EventArgs e)
  {}
 protected void Button2_Click(object sender, EventArgs e)
 { B s = new B();
     int n = Convert.ToInt32(TextBox1.Text);
     int x = s.sqr(n);
     int y = s.cube(n);
     Label1.Text = x.ToString();
     Label2.Text = y.ToString();}}
public class A
{
  public int sqr(int val1)
  {
    return val1 * val1;
  }
}
```

FOR EDUCATIONAL USE

```
public class B : A
{
 public int cube(int val1)
 {
   int v1 = sqr(val1);
   return v1 * val1;
 }
}
```


Default.aspx.cs
Default.aspx
Web.config
body
single level inheritance
Enter a number:
Square of a number
cube of number
Label
Label
Result


localhost:5093/Defau
localhost:5093/Defau
localhost:5093/Default.aspx
single level inheritance
Enter a number:
Square of a number
cube of number
3
9
27
Result

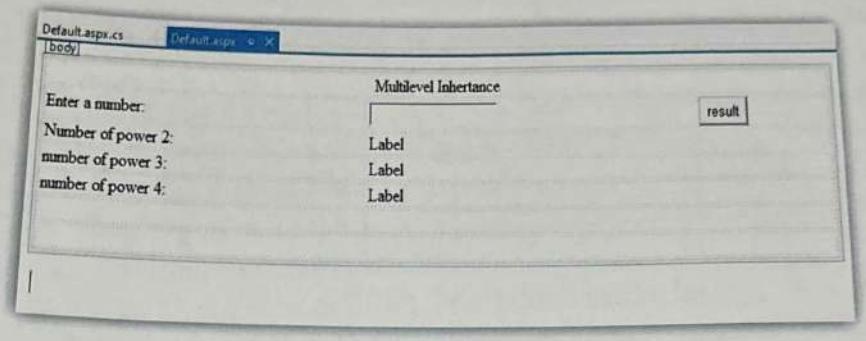
E] Aim:- Create an application to implement multilevel inheritance.

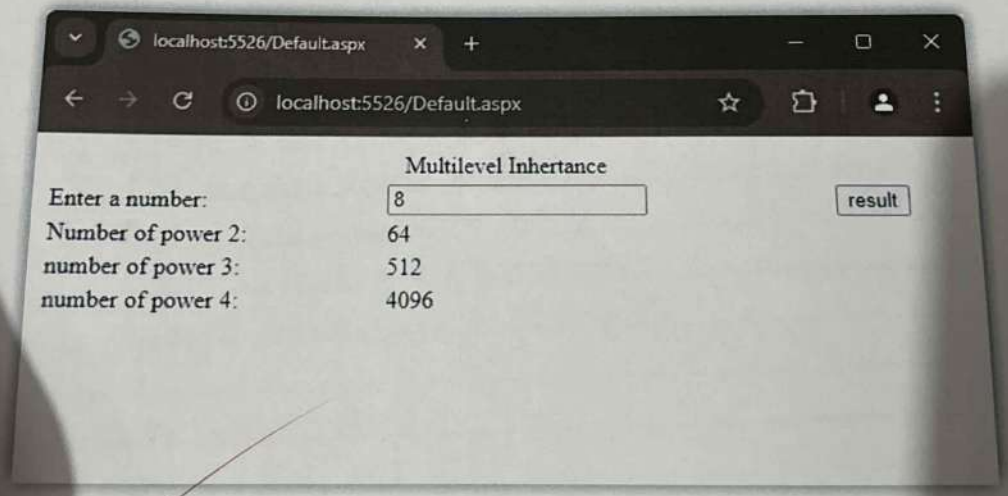
CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{ protected void Page_Load(object sender, EventArgs e)
  {
  }
protected void Button2_Click(object sender, EventArgs e)
{ C s = new C();
      int n = Convert.ToInt32(TextBox1.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();
  }
}

public class A
{
```

FOR EDUCATIONAL USE

Sundaram

```
    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;
  }
}
```


Default.aspx.cs
Default.aspx
body
Multilevel Inhertance
Enter a number:
result
Number of power 2:
Label
number of power 3:
Label
number of power 4:
Label


localhost:5526/Default.aspx
localhost:5526/Default.aspx
Multilevel Inhertance
Enter a number:
8
result
Number of power 2:
64
number of power 3:
512
number of power 4:
4096

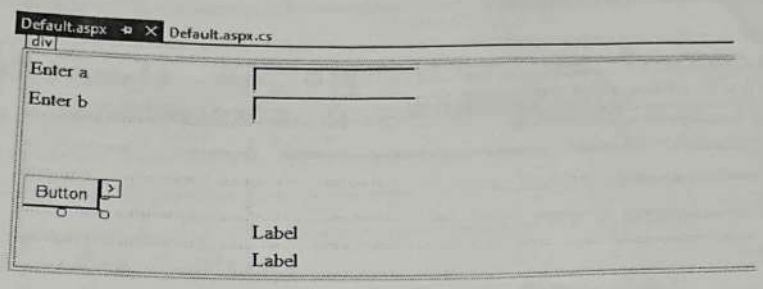
E] Aim:- Create an Application to demonstrate hierarchical inheritance.

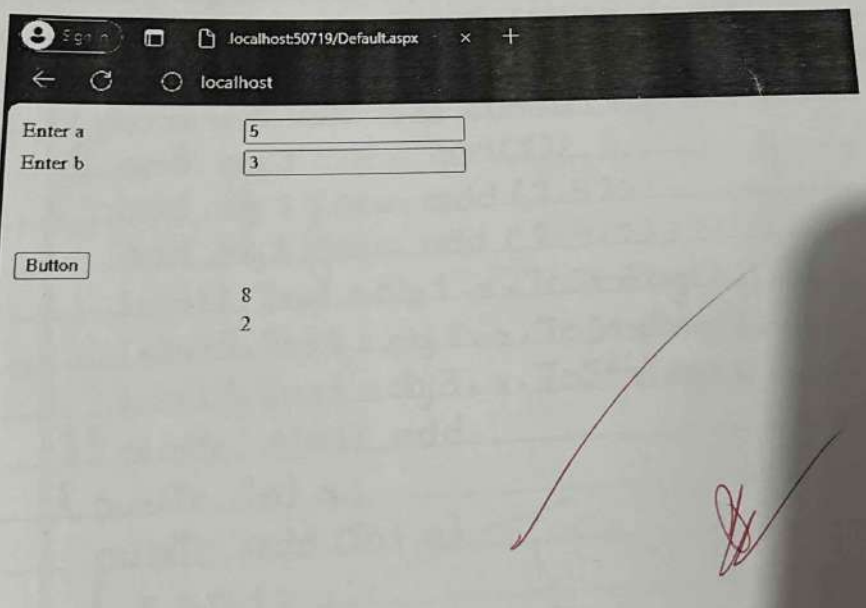
CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{ protected void page_Load (object sender, EventArgs e)
  { }
  protected void Button1_Click (object 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();
  }}
public class A
{ public int a;
  public int b; }
public class B:A
{ public int add (int val1, int val2)
```

FOR EDUCATIONAL USE

Sundaram

```
    {
        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;
 }
}
```


Default.aspx
Default.aspx.cs
div
Enter a
Enter b
Button
Label
Label


localhost:50719/Default.aspx
localhost
Enter a
5
Enter b
3
Button
8
2

6] Aim:- Create an application to implement constructor overloading

CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{ protected void Page_Load (object sender, EventArgs e)
{ add obj1 = new add(2);
  add obj2 = new add (2,4);
  add obj3 = new add (2,4,7);
  Label1.Text = obj1.r.ToString();
  Label2.Text = obj2.r.ToString();
  Label3.Text = obj3.r.ToString();
}} 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;
  }}
```

FOR EDUCATIONAL USE

Default.aspx.cs Default.aspx

body

Constructor Overloading

value of first constructor	Label
value of second constructor	Label
value of third constructor	Label

localhost:49740/Default.aspx

localhost:49740/Default.aspx

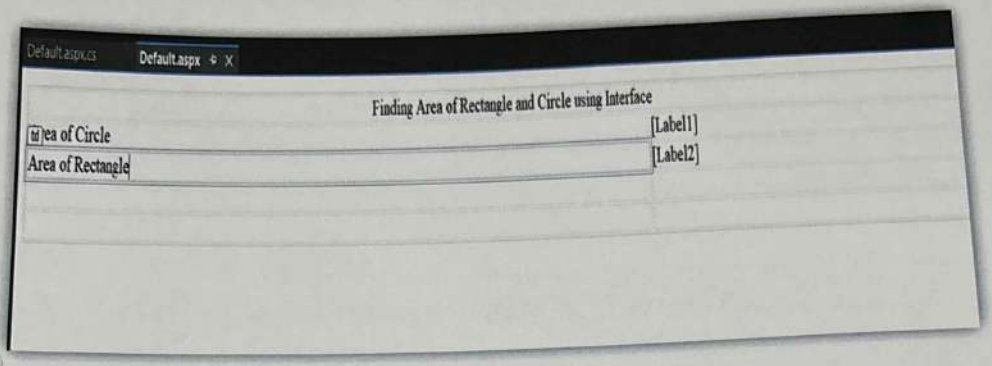
Constructor Overloading

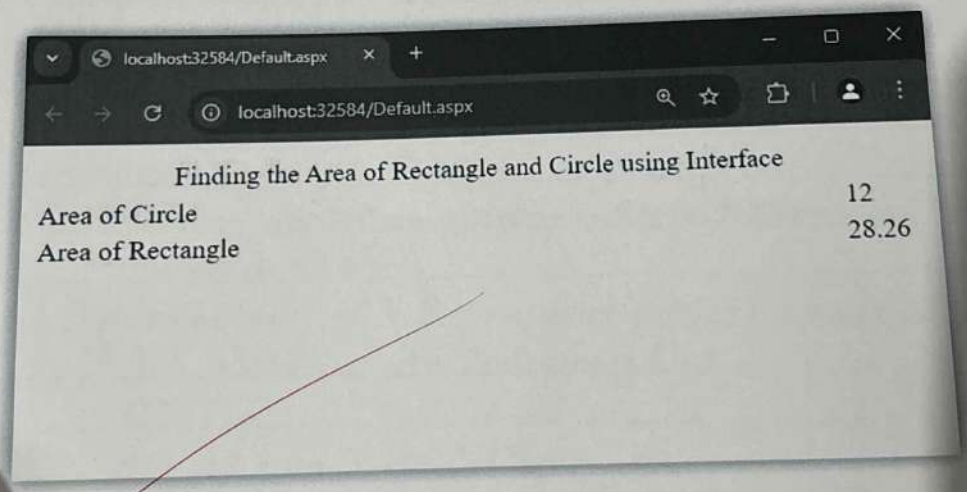
value of first constructor	4
value of second constructor	7
value of third constructor	15

H] Aim:- Create an application to implement interface.

CODE:-
```
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)
  { retur s*t;
  }}
class circle : area
{ public double show(double s, double t)
  { return (3.14*s*s);
  }}
public partial class _Default : 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(3,3);
   Lable1.Text = x.ToString();
   Label2.Text = y.ToString(); }}
```

FOR EDUCATIONAL USE


Default.aspx.cs
Default.aspx
Finding Area of Rectangle and Circle using Interface
ea of Circle
[Label1]
Area of Rectangle
[Label2]

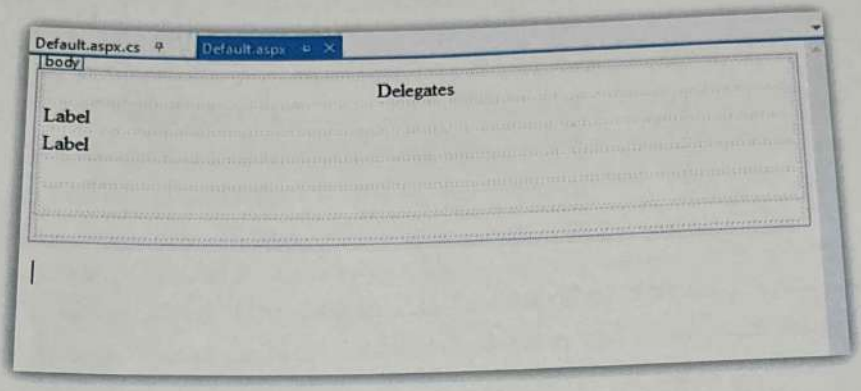

localhost:32584/Default.aspx
localhost:32584/Default.aspx
Finding the Area of Rectangle and Circle using Interface
Area of Circle
12
Area of Rectangle
28.26

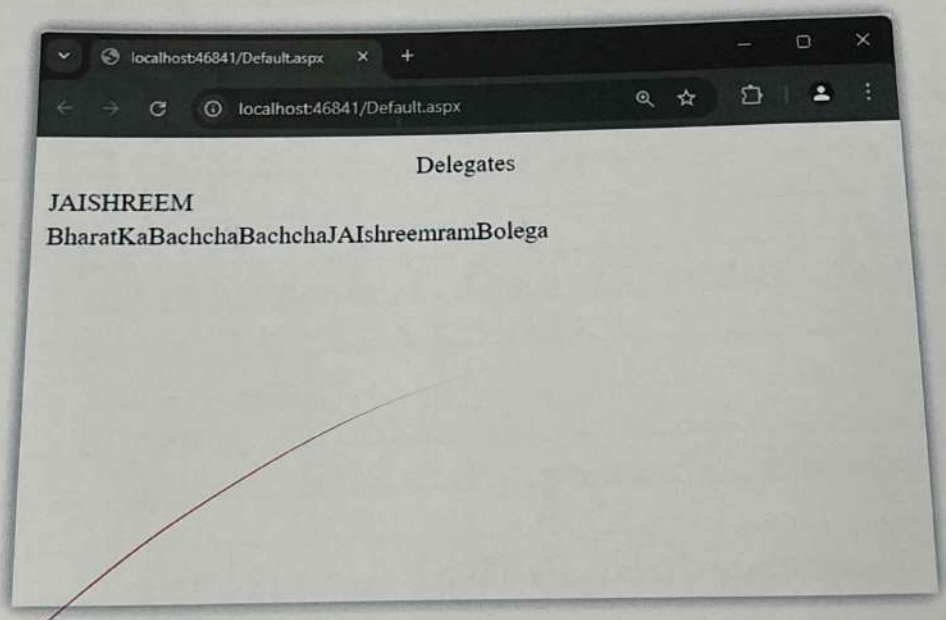
Practical No. :- 03

A) Aim:- Create an application to demonstrate use of delegates an events.

CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public delegate string del();
public partial class _Default : System.Web.UI.Page
{ public static string display1()
  { string s1 = "JAISHREERAM";
    return s1 ; }
  public static string display2()
  { string s2 = "BharatkaBachaBachaJaiShreeRamBolega";
    return s2 ; }
  protected void Page_Load(object sender, EventArgs e)
  { del d1 = new del(display1);
    d1();
    del d2 = new del(display2);
    d2();
    Label1.Text=d1();
    Label2.Text=d2();
  }
}
```

FOR EDUCATIONAL USE


Default.aspx.cs
Default.aspx
body
Delegates
Label
Label


localhost:46841/Default.aspx
localhost:46841/Default.aspx
Delegates
JAISHREEM
BharatKaBachchaBachchaJAIshreemramBolega

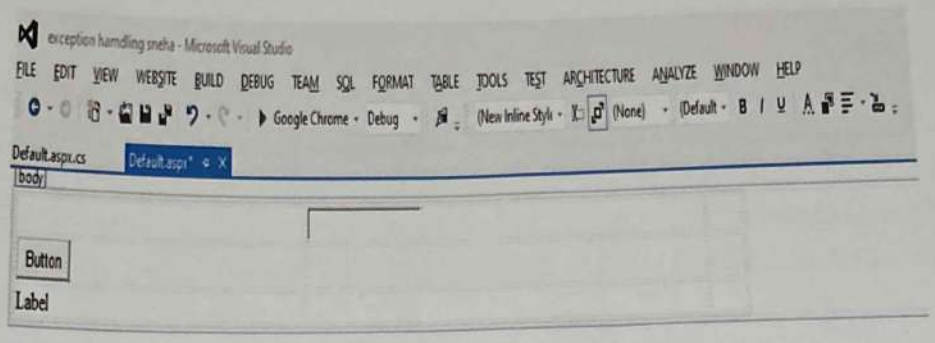
B] Aim:- Create an application to demonstrate use of exception handling.

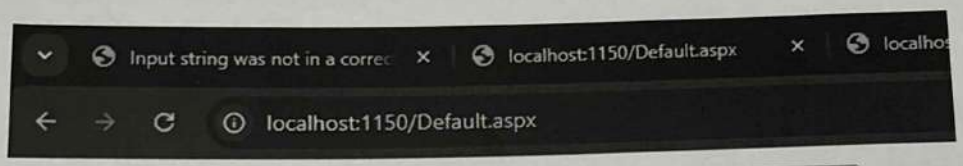
CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
 protected void Page_Load(object sender, EventArgs e)
 {
 }
 protected void Button1_Click(object sender, EventArgs e)
 {
  try
  {
   int a = Convert.ToInt32(TextBox1.Text);
   int[] b = {12, 23, 44};
   int result;
   result =(b[3]/a);
   Label1.Text ="the result is" + result.ToString();
  }
  catch(System.DivideByZeroException ex)
  {
   Label1.Text = ex.ToString();
  }
```


Sundaram

```
catch(System.IndexOutOfRangeException ex)
{
    label1.Text = ex.ToString();
}
}
}
```

FOR EDUCATIONAL USE





20

Button

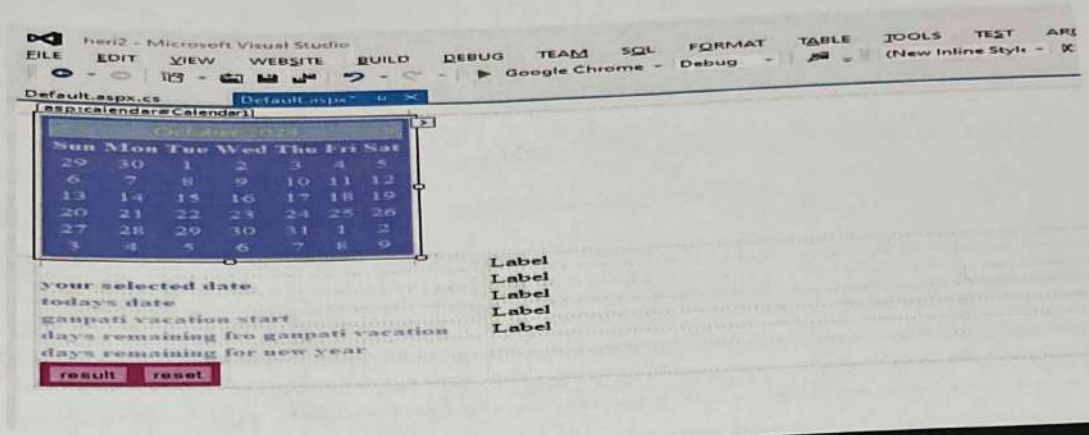
System.IndexOutOfRangeException: Index was outside the bounds of the array. at _Default.Button1_Click(Object sender, EventArgs e) in c:\Users\Admin\Documents\Visual Studio 2012\exception hamdling sneha\Default.aspx.cs:line 21

D) Aim:- Demonstrate the use of calender control to perform the following operation 1) display message in the celender control 2) Display vaction in the calender control 3) Selected date in the calender control using style 4) Different between to calenders dates.

CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        Calendar1.Caption = "Sneha Chaurasiya";
        Calendar1.FirstDayOfWeek = FirstDayOfWeek.Sunday;
        Calendar1.NextPrevFormat = NextPrevFormat.ShortMonth;
        Calendar1.TitleFormat = TitleFormat.Month;
        Label1.Text = Calendar1.SelectedDate.Date.ToString();
        Label2.Text = Calendar1.TodaysDate.ToShortDateString();
        Label3.Text = "7-9-2024";
        TimeSpan d = new DateTime(2024,9,13)-DateTime.Now;
        Label4.Text = d.Days.ToString();
        TimeSpan d1 = new DateTime(2024,12,31) - DateTime.Now;
```


Sundaram

```
    Label5.Text = d1.Days.ToString();
}
protected void Calendar1_DayRender(Object sender,
    DayRenderEventArgs e)
{
if (e.Day.Date.Day == 5 && e.Day.Date.Month == 9)
{
e.Cell.BackColor = System.Drawing.Color.Yellow;
Label Id = new Label();
Id.Text = "<br>Teachers day";
e.Cell.Controls.Add(Id);
Image g = new Image();
g.ImageUrl="http://localhost:62855/yubi.jpeg";
g.Height = 20;
g.Width = 20;
e.Cell.Controls.Add(g);
}
if (e.Day.Date.Day == 7 && e.Day.Date.Month == 9)
{
Calendar1.SelectedDate = new DateTime(2024, 9, 8);
Calendar1.SelectedDates.SelectRange(Calendar1.
SelectedDate, Calendar1.SelectedDate.AddDays(10));
Label1 Idd = new Label();
Idd.Text = "<br>ganpati";
e.Cell.Controls.Add(Idd);
}
}
}
```



your selected date 08-10-2024 00:00:00
todays date 08-10-2024
ganpati vacation start 7-9-2024
days remaining fro ganpati vacation -25
days remaining for new year 83

result reset

your selected date 08-10-2024 00:00:00
todays date 08-10-2024
ganpati vacation start 7-9-2024
days remaining fro ganpati vacation -25
days remaining for new year 83

result reset

Practical No.:- 04

A) Aim:- Create a registration form to demonstrate use of various validation control.

CODE:-
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{
  protected void Page_Load(object sender, EventArgs e)
  {
  }
  protected void Button1_Click(object sender, EventArgs e)
  {
    Label1.Text = TextBox1.Text + TextBox2.Text +
      TextBox3.Text + TextBox4.Text + TextBox5.Text;
  }
  protected void Button2_Click(object sender, EventArgs e)
  {
    TextBox1.Text = "";
    TextBox2.Text = "";
    TextBox3.Text = "";
    TextBox4.Text = "";
    TextBox5.Text = "";
```

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```
        Label1.Text="";
    }
}
```

Web.config File

```
<?xml version="1.0"?>
<configuration>
  <appSettings>
    <add key="ValidationSettings:UnobtrusiveVal
        idationMode" value="None"/>
  </appSettings>
  <system.web>
    <compilation debug="true" targetFramework
        ="4.5"/>
    <httpRuntime targetFarmework="4.5"/>
  </system.web>
</configuration>
```

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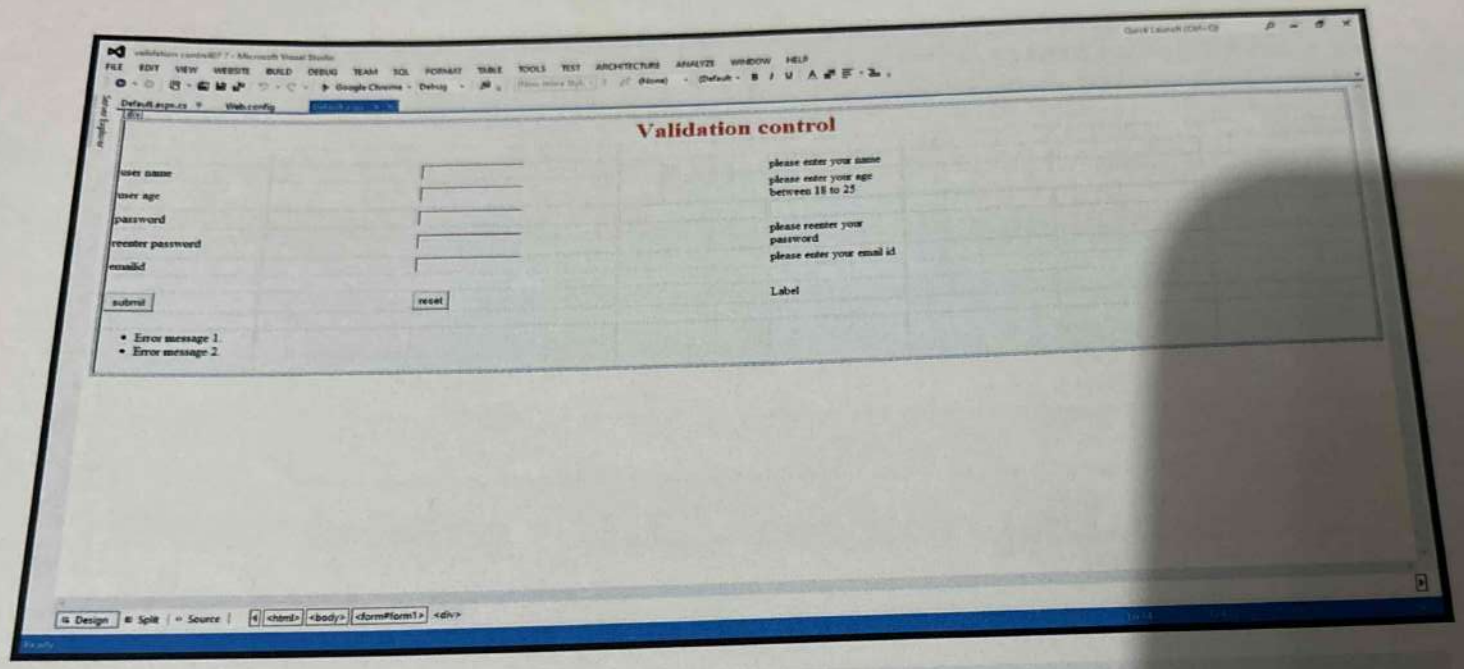
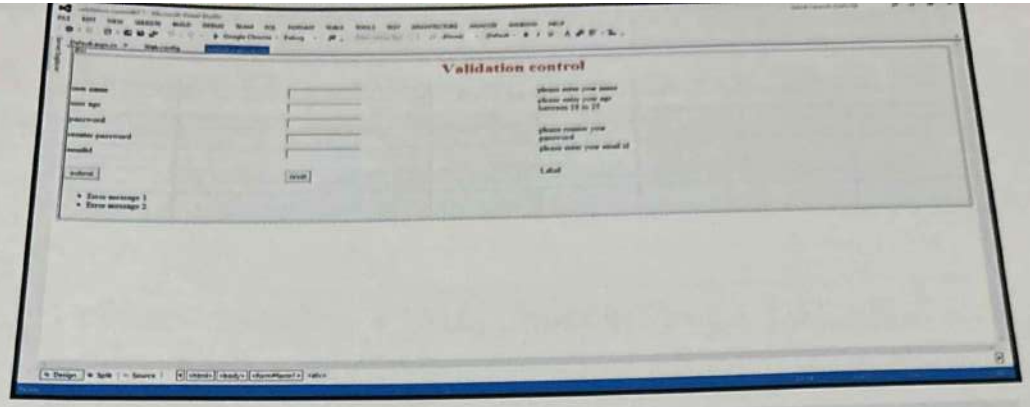


Default.aspx.cs | Web.config | Default.aspx

```xml
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
  <appSettings>
    <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"/>
  </appSettings>
  <system.web>
    <compilation debug="true" targetFramework="4.5"/>
    <httpRuntime targetFramework="4.5"/>
  </system.web>
</configuration>
```



Default.aspx.cs | Web.config | Default.aspx

```xml
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
  <appSettings>
    <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"/>
  </appSettings>
  <system.web>
    <compilation debug="true" targetFramework="4.5"/>
    <httpRuntime targetFramework="4.5"/>
  </system.web>
</configuration>
```

localhost:33794/Default.aspx

Validation control

user name	sneha
user age	19
password	123
reenter password	123
emailid	snehachaurasiya1232@gm

submit reset

sneha19123123snehachaurasiya1232@gmail.com

B) Aim:- Create web form to demonstrate use of adrotator control.

CODE:-

```
<?xml version="1.0" encoding="utf-8"?>
<Advertisements>
  <Ad>
    <ImgeUrl>http://localhost:23850/yuhjuijhyu.
        jpeg</ImageUrl>
    <NavigateUrl>http://localhost:23850/Default2.
        aspx</NavigateUrl>
    <AlternateText>my page</AlternateText>
    <Impressions>1</Impressions>
    <Keyword>Computer</Keyword>
  </Ad>
</Advertisements>
```

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adrotator07 - Microsoft Visual Studio

FILE EDIT VIEW WEBSITE BUILD DEBUG TEAM SQL FORMAT TABLE TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Google Chrome · Debug · (New Inline Styl · (None) · (Default

Default2.aspx XMLFile.xml Default.aspx*

Server Explorer

body

adrotator

localhost:23850/Default.aspx

localhost:23850/Default.aspx

adrotator

localhost:23850/Default2.aspx

localhost:23850/Default2.aspx

hello how are you????????

Default2.aspx XMLFile.xml Default.aspx*

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
  <Ad>
    <ImageUrl>http://localhost:23850/yuhjuijhyu.jpeg</ImageUrl>
    <NavigateUrl>http://localhost:23850/Default2.aspx</NavigateUrl>
    <AlternateText>my page</AlternateText>
    <Impressions>1</Impressions>
    <Keyword>computer</Keyword>
  </Ad>
</Advertisements>
```

WebSite6(1) - Microsoft Visual Studio

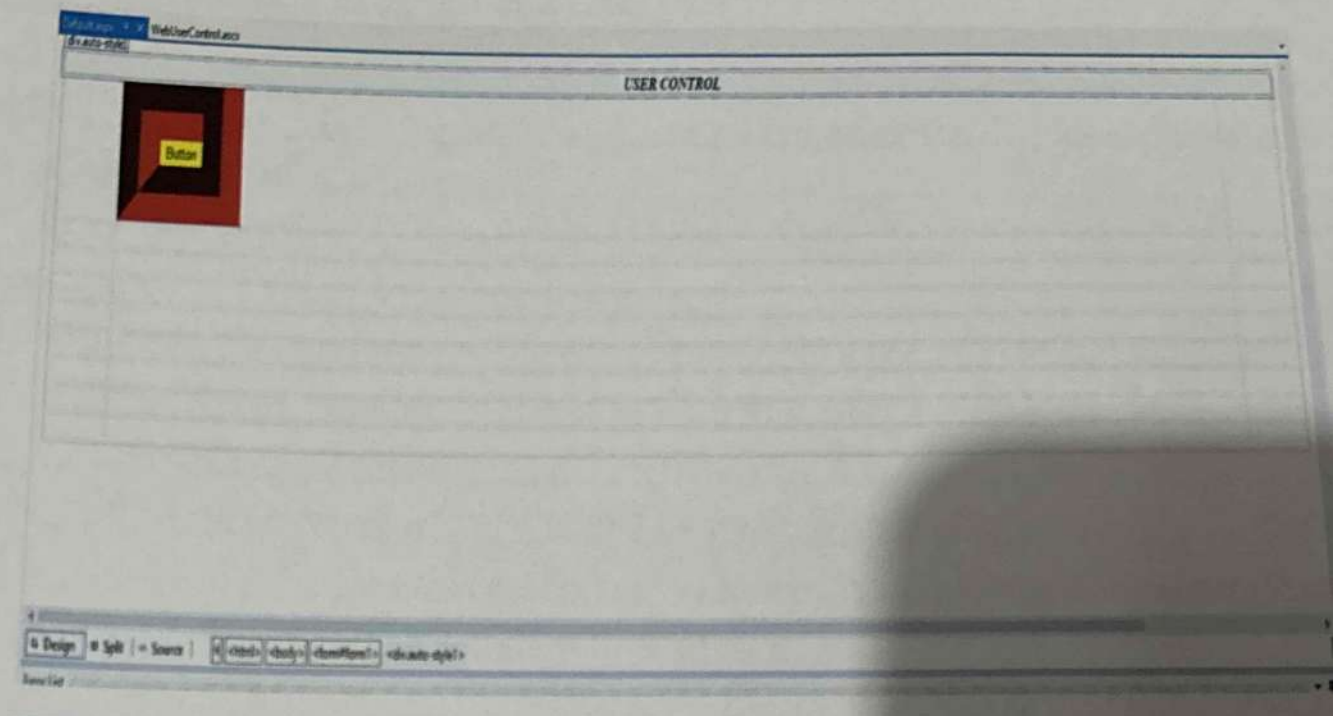
FILE EDIT VIEW WEBSITE BUILD DEBUG TEAM SQL FORMAT TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

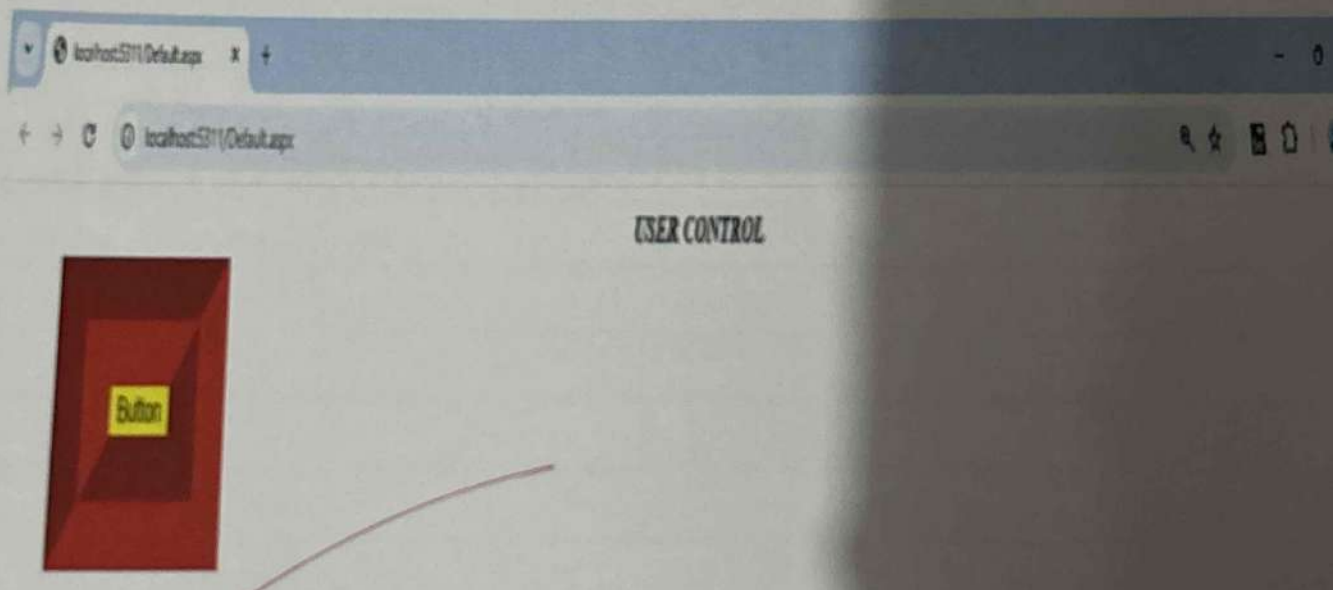
Google Chrome · Debug · DOCTYPE: XHTML5

WebUserControl.ascx | Solution Explorer | Default.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default.aspx.cs" Inherits="_Default" %>
<%@ Register Src="~/WebUserControl.ascx" TagName="mystyle" TagPrefix="my"%>
<!DOCTYPE html>

<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
</head>
<body>
    <form id="form1" runat="server">
    <div>
    <my:mystyle ID="hhhhh12" runat="server"/>
    </div>
    </form>
</body>
</html>
```


WebUserControl.ascx
USER CONTROL
Button
Design
Split
Source


localhost:5311/Default.aspx
localhost:5311/Default.aspx
USER CONTROL
Button

Practical No. :- 05

A) Aim:- Create a use of navigation control and side. map.

CODE:-

```
<?XML version="1.0" encoding="utf-8"?>
<SiteMap xmls="http://schemas.MicroSoft.com/
  AspNet/SiteMap-file-1.0">
<SiteMapNode Url="Department.aspx" title="Depart
    ment" Description="Here is Department Section">
<SiteMapNode Url="bcom.aspx" title="B.Com"
  description="BCom Department">
<SiteMapNode Url="bsc.it.aspx" title=B.S.C.IT
  description "BSC.It Department"/>
</siteMapNode>
</siteMap>
```

Google Chrome Debug

Default3.aspx | Default2.aspx | Default1.aspx | Web.sitemap

div

maleup ▸

SiteMapDataSource - SiteMapDataSource1

localhost:53202/Default1.aspx

localhost:53202/Default1.aspx

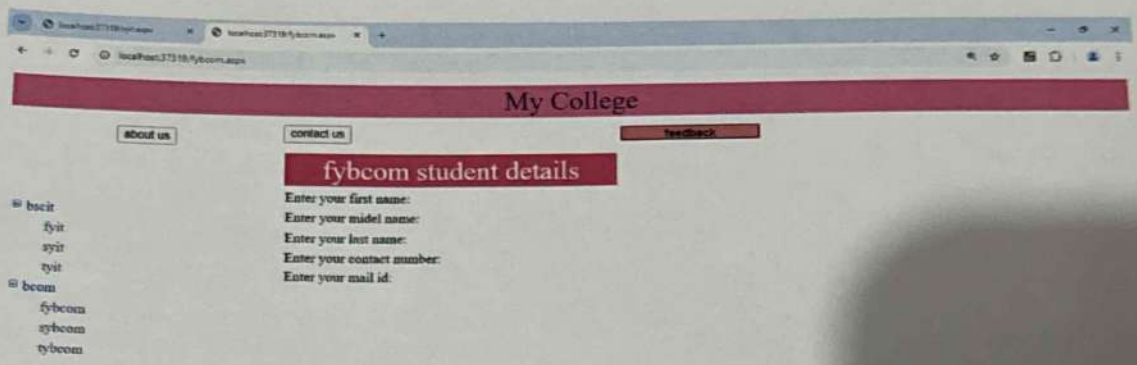
maleup ▸ hairs
cloths

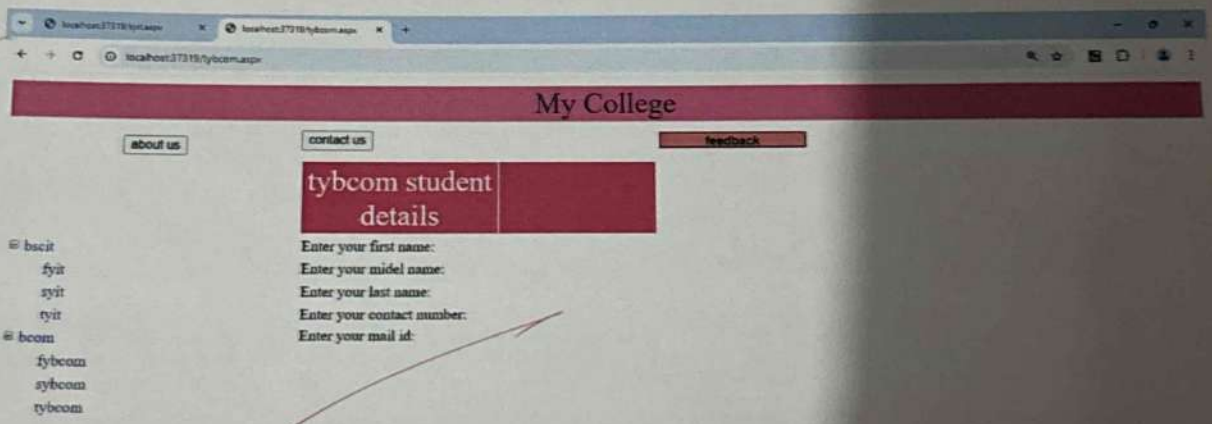
Default3.aspx | Default2.aspx | Default1.aspx | Web.sitemap

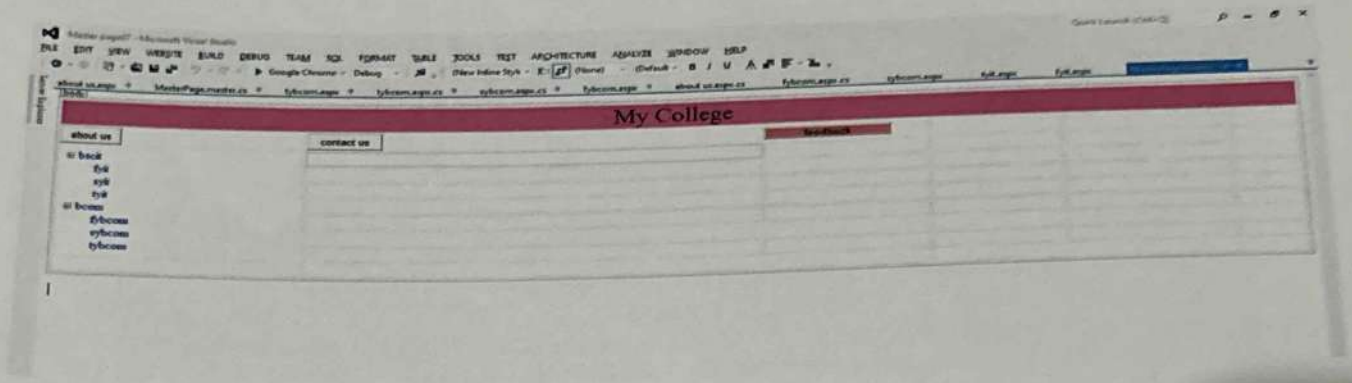
```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
    <siteMapNode url="Default1.aspx" title="maleup"  description="t">
        <siteMapNode url="Default2.aspx" title="hairs"  description="h" />
        <siteMapNode url="Default3.aspx" title="cloths"  description="r" />
    </siteMapNode>
</siteMap>
```

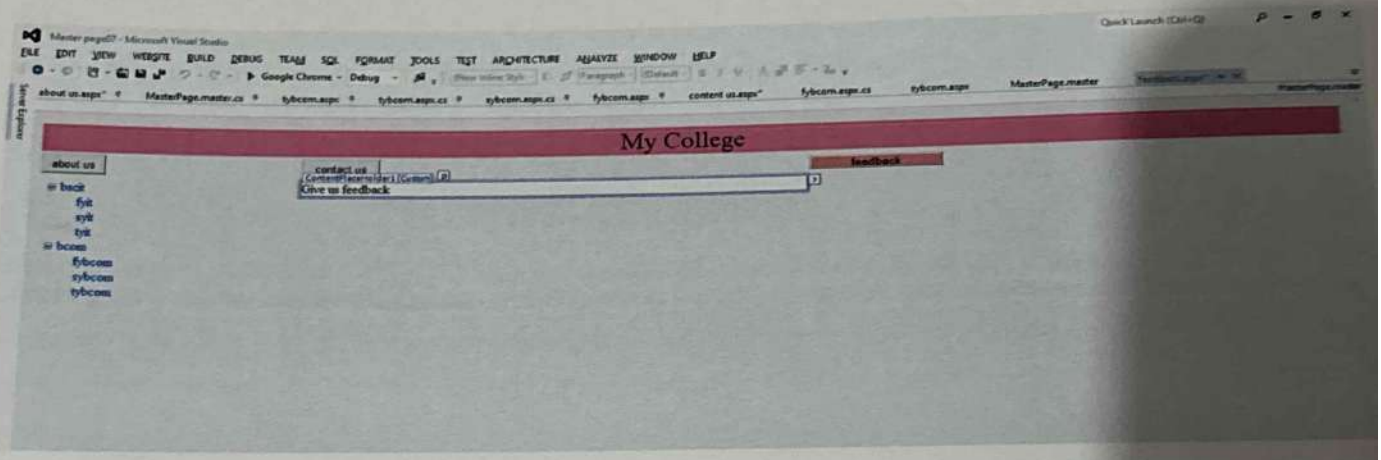
B) Aim:- Create a web form use of Masterpage with apply styling and them for page beautification.

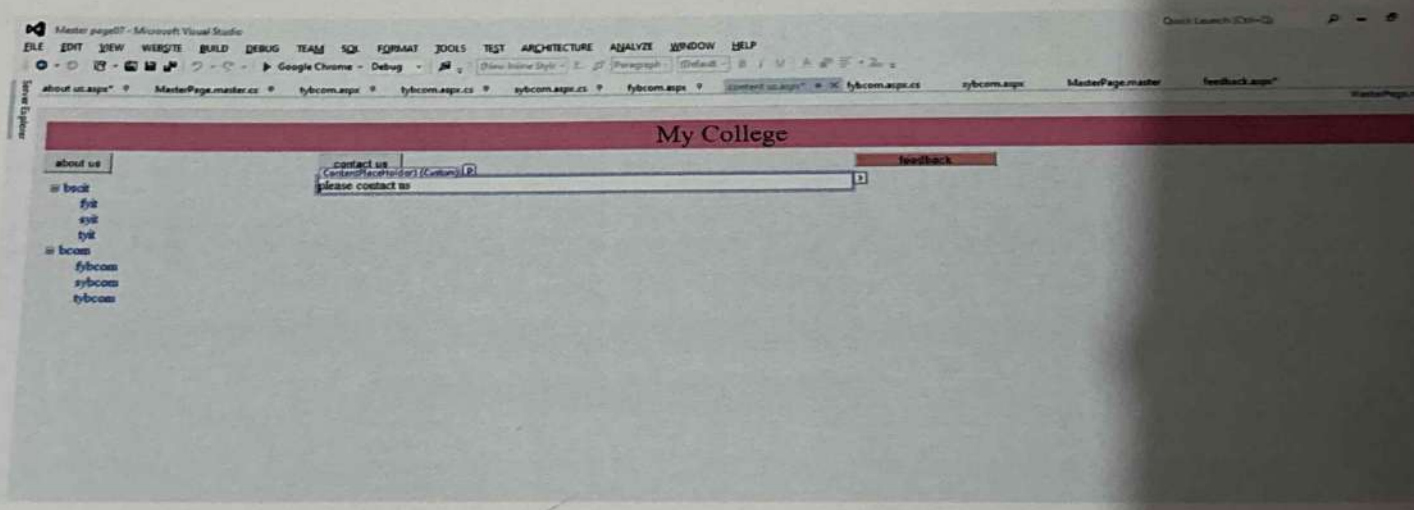
CODE:-
```
using System;
using System. Collections. Generic;
using System. Web;
using System. Linq;
using System. Web. UI;
using System. Web. UI. WebControls;
public partial class MasterPage : System. Web. UI. MasterPage
{
  protected void Page_Load(object sender, EventArgs e)
  {
  }
  protected void Button1_Click (object sender, EventArgs e)
  {
    Response. Redirect ("about us. aspx");
  }
  protected void Button2_Click (object sender, EventArgs e)
  {
    Response. Redirect ("Content us. aspx");
  }
  protected void Button3_Click (object sender, EventArgs e)
  {
    Response. Redirect ("feedback. aspx");
  }
}
```

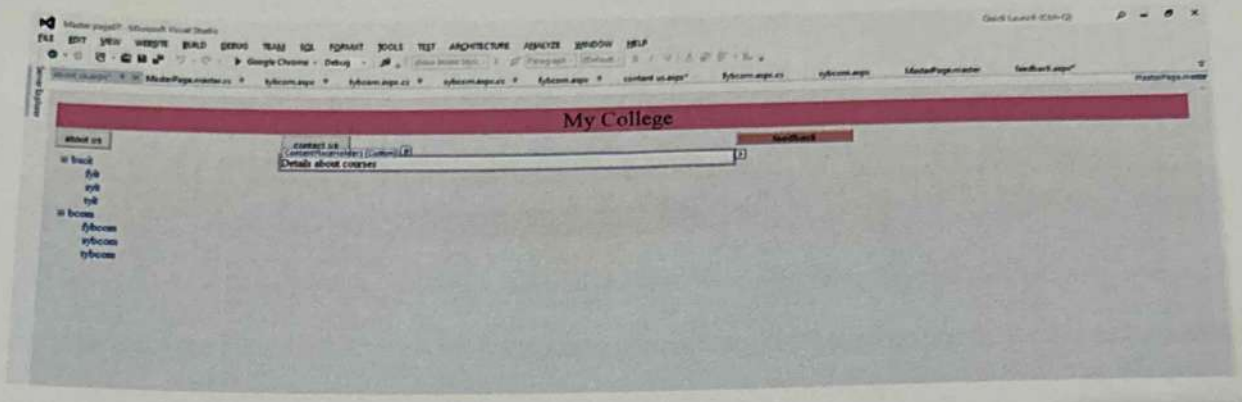

My College
about us
contact us
feedback
fybcom student details
Enter your first name:
Enter your midel name:
Enter your last name:
Enter your contact number:
Enter your mail id:
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom

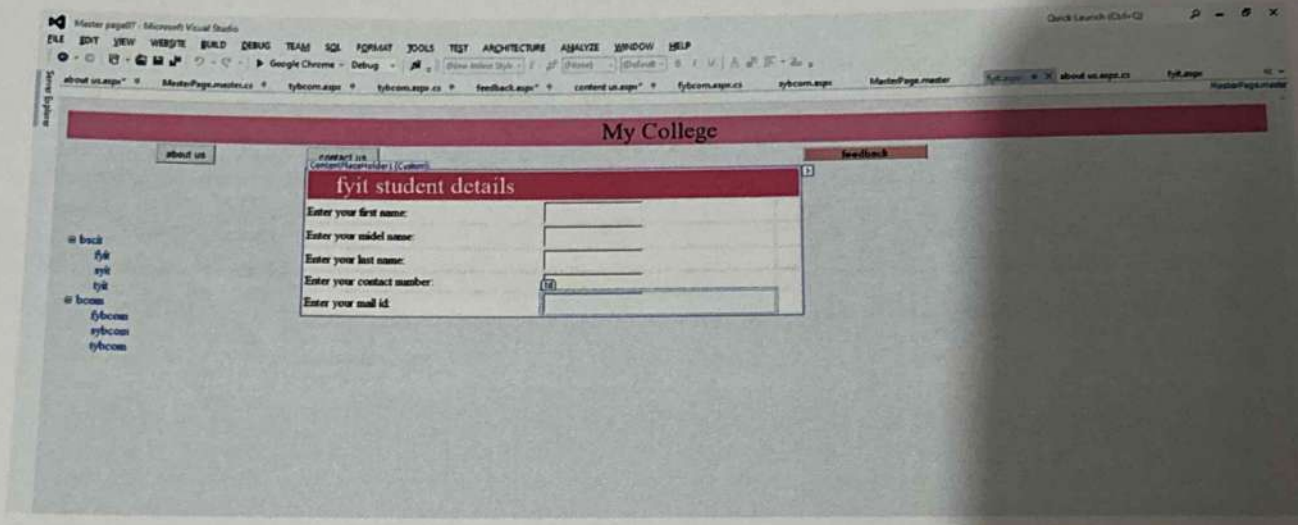

My College
about us
contact us
feedback
tybcom student details
Enter your first name:
Enter your midel name:
Enter your last name:
Enter your contact number:
Enter your mail id:
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom

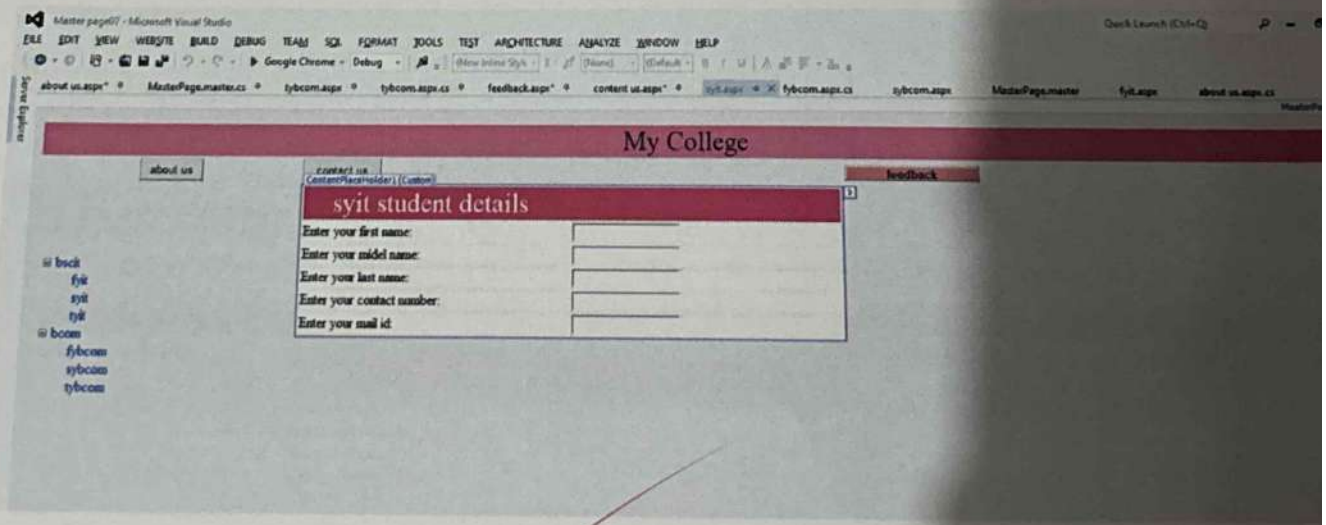

My College
about us
contact us
feedback
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom


My College
about us
contact us
feedback
Give us feedback
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom


My College
about us
contact us
feedback
please contact us
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom


My College
about us
contact us
feedback
Details about courses
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom


My College
about us
contact us
feedback
fyit student details
Enter your first name:
Enter your midel name:
Enter your last name:
Enter your contact number:
Enter your mail id:
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom


My College
about us
contact us
feedback
syit student details
Enter your first name:
Enter your midel name:
Enter your last name:
Enter your contact number:
Enter your mail id:
bscit
fyit
syit
tyit
bcom
fybcom
sybcom
tybcom

Practical No.:- 06

Aim:- Create a web application to demonstrate form security and window security with proper authentication and authoruser properties

CODE:- Default.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.Web.Security;
public partial class _Default : System.Web.UI.Page
{ protected void Page_Load (object sender, EventArgs e)
  {}
protected bool authentication(String uname,
      String pass) {
    if(uname == "sneha")
    { if(pass == "sneha123")
        return true;
    }
    if(uname == "chaurasiya")
    { if (pass == "chaurasiya123")
        return true;
    }
    return false;
}
```

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```
protected void Button1_Click (object sender, EventArgs e)
{if (authentication(TextBox1.Text, TextBox2.Text))
  {
   FormsAuthentication.RedirectFromLoginPage
(TextBox1.Text, CheckBox1.Checked);
Session["username"] = TextBox1.Text;
Response.Redirect ("Default2.aspx");
}
else
{
 Response.Write ("Invalid Username");
 }
}
}
```

Default2.aspx.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using system.Web;
using system.Web.UI;
using system.Web.UI.WebControls;
public partial class Default2 :System.Web.UI.
      Page
{
 protected void Page_Load (object sender, EventArgs e)
 {
   if (Session["Username"] != null)
   {
   Label1.Text = Session["Username"].ToString();
 }
}
}
```

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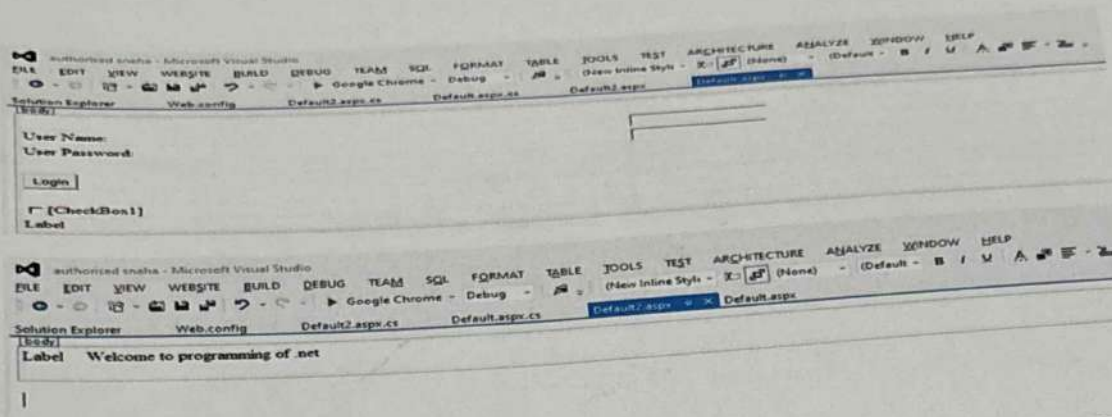
authorised sneha - Microsoft Visual Studio

FILE EDIT VIEW WEBSITE BUILD DEBUG TEAM XML SQL TOOLS TEST ARCHITECTURE

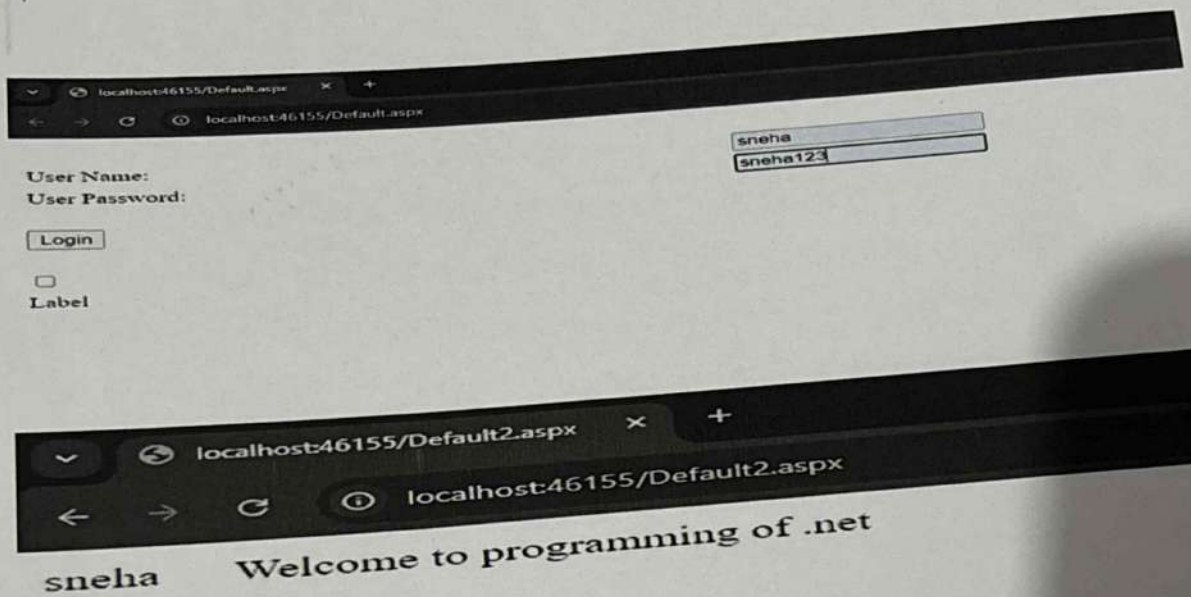
Google Chrome Debug

Web.config Solution Explorer Default2.aspx.cs Default.aspx.cs Default2.aspx Defa

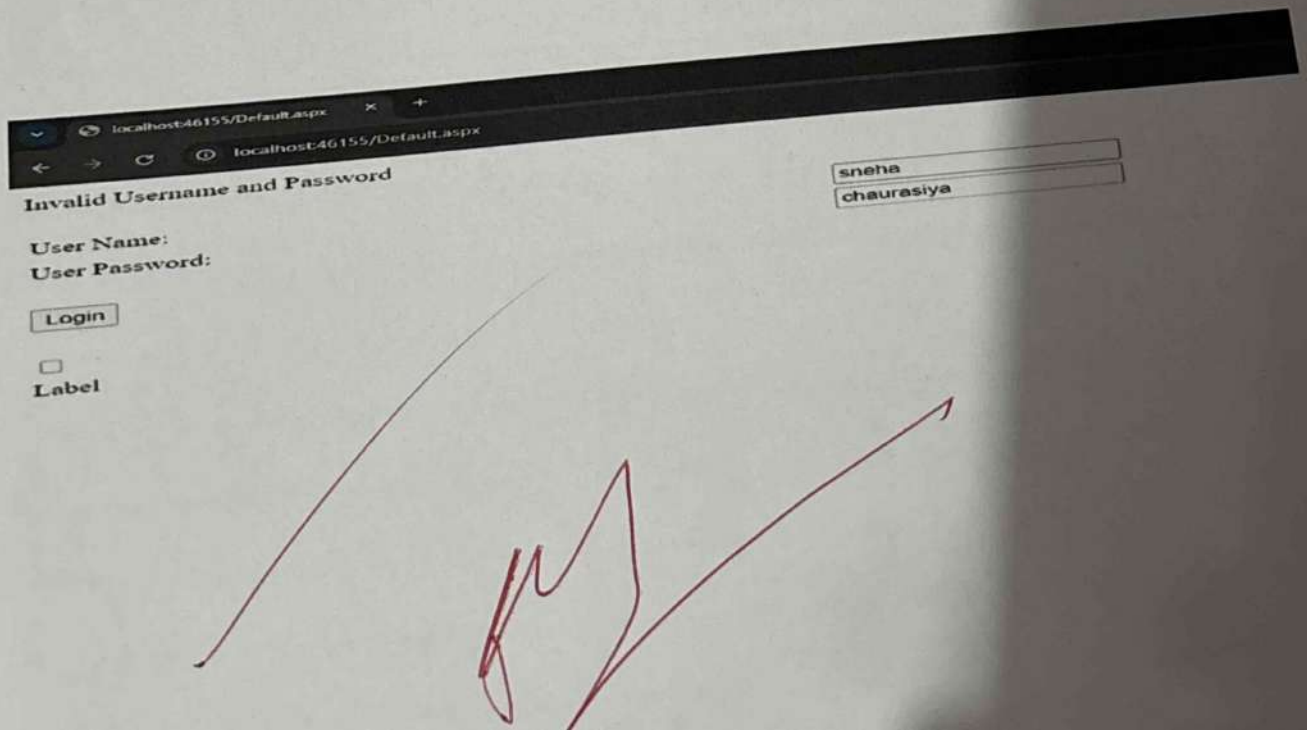
```xml
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
  <system.web>
    <authentication mode="Forms">
      <forms loginUrl="Default.aspx"/>
    </authentication>
    <authorization>
      <deny users="?"/>
    </authorization>
    <compilation debug="true" targetFramework="4.5"/>
    <httpRuntime targetFramework="4.5"/>
  </system.web>
</configuration>
```


User Name:
User Password:
Login
[CheckBox1]
Label

Label Welcome to programming of .net


localhost:46155/Default.aspx
sneha
sneha123
User Name:
User Password:
Login
Label

localhost:46155/Default2.aspx
sneha Welcome to programming of .net


localhost:46155/Default.aspx
Invalid Username and Password
sneha
chaurasiya
User Name:
User Password:
Login
Label

Google Chrome · Debug · DOCTYPE: XHTML5

Default.aspx

```
<div>

    <table style="width:100%;">
        <tr>
            <td class="auto-style1">
                <asp:ScriptManager ID="ScriptManager2" runat="server">
                </asp:ScriptManager>
            </td>
            <td> </td>
            <td> </td>
        </tr>
        <tr>
            <td class="auto-style2">
                <asp:TextBox ID="TextBox1" runat="server" Height="169px"></asp:TextBox>
                <ajaxToolkit:HtmlEditorExtender ID="TextBox1_HtmlEditorExtender" runat="server" TargetControlID="TextBox1" EnableSanitization="false">
                    <Toolbar>
                        <ajaxToolkit:Bold /> <ajaxToolkit:Copy />
                        <ajaxToolkit:Cut /> <ajaxToolkit:Copy />
                        <ajaxToolkit:FontSizeSelector />
                    </Toolbar>
                </ajaxToolkit:HtmlEditorExtender>
            </td>
            <td class="auto-style3"></td>
            <td class="auto-style3"></td>
        </tr>
        <tr>
            <td class="auto-style1"> </td>
            <td> </td>
            <td> </td>
        </tr>
    </table>

</div>
</form>
```

Google Chrome · Debu

Google Chrome · Debug · DOCTYPE: XHTML5

Default.aspx

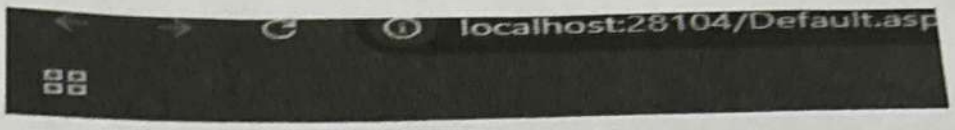
```
<div>
    <table style="width:100%;">
        <tr>
            <td class="auto-style1">
                <asp:ScriptManager ID="ScriptManager2" runat="server">
                </asp:ScriptManager>
            </td>
            <td> </td>
            <td> </td>
        </tr>
        <tr>
            <td class="auto-style2">
                <asp:TextBox ID="TextBox1" runat="server" Height="169px"></asp:TextBox>
                <ajaxToolkit:HtmlEditorExtender ID="TextBox1_HtmlEditorExtender" runat="server" TargetControlID="TextBox1" EnableSanitization="false">
                    <Toolbar>
                        <ajaxToolkit:Bold /> <ajaxToolkit:Copy />
                        <ajaxToolkit:Cut /> <ajaxToolkit:Copy />
                        <ajaxToolkit:FontSizeSelector />
                    </Toolbar>
                </ajaxToolkit:HtmlEditorExtender>
            </td>
            <td class="auto-style3"></td>
            <td class="auto-style3"></td>
        </tr>
        <tr>
            <td class="auto-style1"> </td>
            <td> </td>
            <td> </td>
        </tr>
    </table>

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

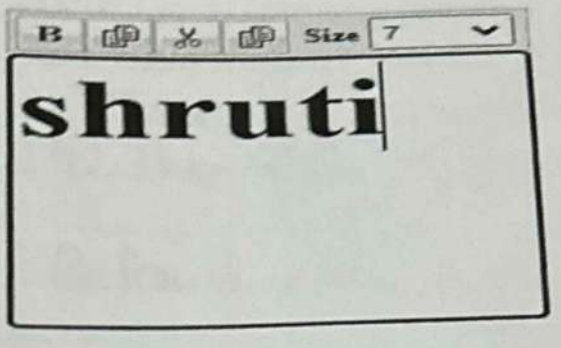
Google Chrome · Debu

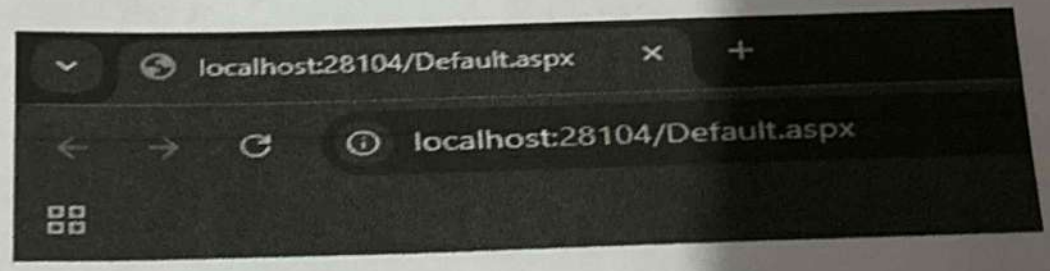
Default.aspx

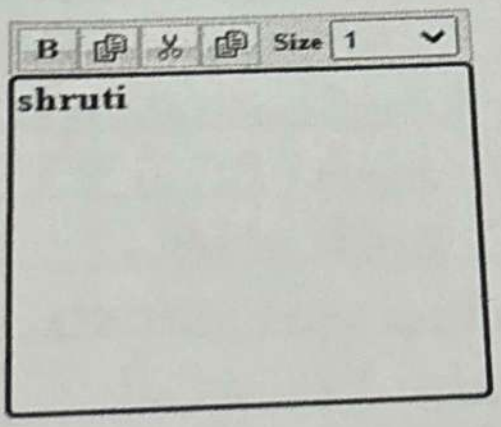
body

ScriptManager - ScriptManager2


localhost:28104/Default.asp


B
Size
7
shruti


localhost:28104/Default.aspx
localhost:28104/Default.aspx


B
Size
1
shruti

Practical No.:- 08

Aim:- Create a web Application to demonstrate use of tree view control to perform following operations
a) Tree View control and datalist
b) Tree view operation

ODE:-

Default.cs

```
using System;
using System.Collations.Generic;
using System.web;
using System.web.UI;
using System.web.UI.WebControls;
using System.Data;
Public partial class Default:System.web.UI.Page
{protected void pageLoad (object sender,EventArgs e)
{if (!IsPost Back)
  {DataBind();}}
protected void DataBind ()
  Data set ds = new Data set();
  ds.Readxml(server.mappath("myxml.xml"));
  if(ds!=nul && ds.Has Changer ())
  DataList1.DataSource =ds;
  DataList1.Data Bind(); }
  else{
     DetaList1.DataBind();
  }
}
}
```

My xml . xml file

```
<? xml version ="1.0" encoding = "utf-8" ?>
<student details>
  <student>
    <id >1 </id>
    <name> Sneha </name>
    <class> TyIT </class>
  </student>
<student>
  <id > 2</id>
  <name> sneha a </name>
  <class> TyIT </class>
</student>
<student>
    <id> 3 </id>
    <name> kavita </name>
    <class> MSCIT </class>
    </student>
<student details>
```

Default.aspx:-

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

<!DOCTYPE html>

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

        <table style="width:100%;">
            <tr>
                <td>
                    <asp:TreeView ID="TreeView1" runat="server">
                        <Nodes>
                            <asp:TreeNode Text="asp.net practicals" Value="asp.net practicals">
                                <asp:TreeNode NavigateUrl="~/Delagate.aspx" Text="Delegate" Value="Delagate"></asp:TreeNode>
                                <asp:TreeNode NavigateUrl="~/methodoverloading.aspx" Text="Methodoverloading" Value="methodoverloading"></asp:TreeNode>
                                <asp:TreeNode NavigateUrl="~/adrotatorpract.aspx" Text="Adrotator" Value="Adrotator"></asp:TreeNode>
                                <asp:TreeNode NavigateUrl="~/contr.aspx" Text="control" Value="User Control"></asp:TreeNode>
                            </asp:TreeNode>
                        </Nodes>
                    </asp:TreeView>
                </td>
            </tr>
            <tr>
                <td>

                    <asp:DataList ID="DataList1" runat="server">
                        <ItemTemplate>
                            <table class="table" border="1">
                                <tr>
                                    <td>roll no:<%#Eval("sid")%><br/>
                                        name:<%#Eval("sname")%><br/>
                                        class:<%#Eval("sclass")%><br/></td>
                                </tr> </table></ItemTemplate></asp:DataList>

                </td>
                <td> </td>
```

OUTPUT:-

localhost:50998/Default.aspx

localhost:50998/Default.aspx

- asp.net practicals
  - Delegate
  - Methodoverloading
  - Adrotator
  - control

roll no:1
name:ram
class:tyit

roll no:2
name:sham
class:tyit

roll no:3
name:seeta
class:tyit

roll no:4
name:geeta
class:tyit

Default.aspx:-

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

<!DOCTYPE html>

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

        <table style="width:100%;">
            <tr>
                <td>
                    <asp:TreeView ID="TreeView1" runat="server">
                        <Nodes>
                            <asp:TreeNode Text="asp.net practicals" Value="asp.net practicals">
                                <asp:TreeNode NavigateUrl="~/Delegate.aspx" Text="Delegate" Value="Delegate"></asp:TreeNode>
                                <asp:TreeNode NavigateUrl="~/methodoverloading.aspx" Text="Methodoverloading" Value="methodoverloading"></asp:TreeNode>
                                <asp:TreeNode NavigateUrl="~/adrotatorpract.aspx" Text="Adrotator" Value="Adrotator"></asp:TreeNode>
                                <asp:TreeNode NavigateUrl="~/contr.aspx" Text="control" Value="User Control"></asp:TreeNode>
                            </asp:TreeNode>
                        </Nodes>
                    </asp:TreeView>
                </td>
            </tr>
            <tr>
                <td>

                    <asp:DataList ID="DataList1" runat="server">
                        <ItemTemplate>
                            <table class="table" border="1">
                                <tr>
                                    <td>roll no:<%#Eval("sid")%><br/>
                                        name:<%#Eval("sname")%><br/>
                                        class:<%#Eval("sclass")%><br/></td>
                                </tr> </table></ItemTemplate></asp:DataList>

                </td>
                <td> </td>
```

OUTPUT:-

Practical No.:- 09

Aim:- Create a simple application to demonstrate the concept of boxing and unboxing:-

CODE:-
```
using System;
using System.Collection.Generic;
using system.Linq;
using system.web;
using System.web.UI;
using System.web.UI.webcontrols;
public partical class _Default : System.web.UI.Page
{
protected void Button1_Click (object sender, EventArgs e)
{
int valueType = Convert.ToInt32(TextBox1.Text);
object boxed = valueType;
Type is boxed
Label1.Text = "Boxed value :" + boxed;
int unboxed = (int) boxed;
Label2.Text = "Unboxed value :" + unboxed;
}
}
```

Default.aspx.cs Default.aspx

body

Enter the Value :

print boxed and unboxed value:

Label

Label

localhost:5438/Default.aspx

Enter the Value :

45

print boxed and unboxed value:

Boxed value:45

Unboxed value:45

Practical No. :-10

Aim:- Create a simple web page with various server controls to demonstrate the setting an use of that property.

CODE :-

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class _Default : System.Web.UI.Page
{ protected void Page_Load(Object sender, EventArgs e)
  { if (!IsPostBack)
    { string str ="ramoham";
      if (ViewState["name"] == null)
      { string str =
        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.Item
          [i].Text + "\n";
  }}}
```

FOR EDUCATIONAL USE

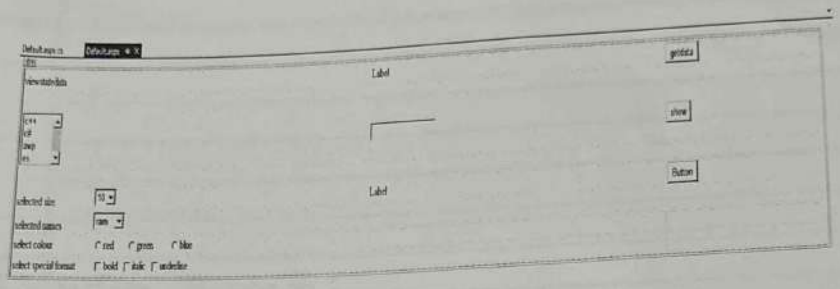
Sundaram

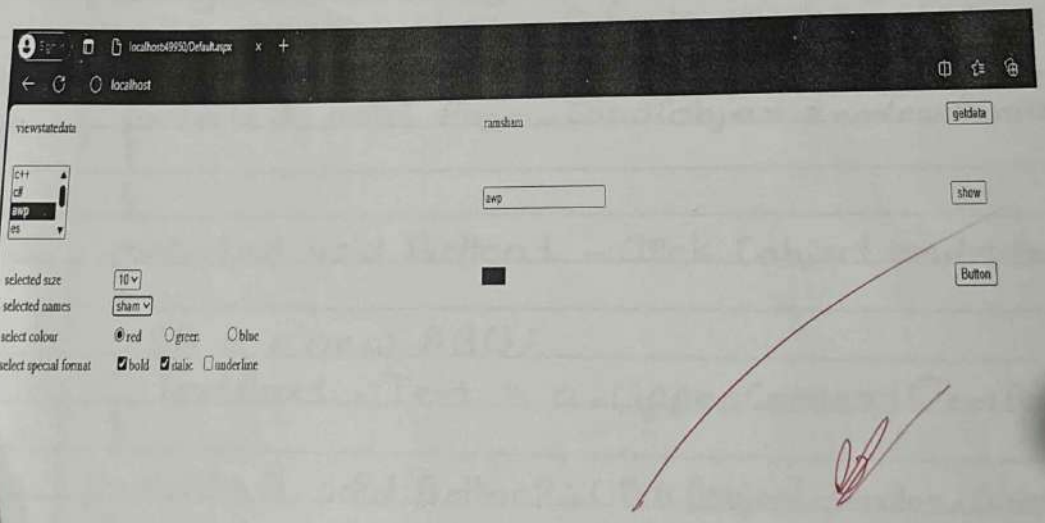
```
protected void DropDownList2_SelectedIndexChanged
    (object sender, EventArgs e)
{ Label2.Text = DropDownList2.SelectedItem.Text;
}
protected void RadioButton1_CheckedChanged
    (object sender, EventArgs e)
{ if (RadioButton1.Checked == true)
  { Label2.BackColor = System.Drawing.Color.Red;
    RadioButton2.Checked = false;
    RadioButton3.Checked = false;
  }}
protected void RadioButton2_CheckedChanged
    (object sender, EventArgs e)
{ if (RadioButton2.Checked == true)
  { Label2.BackColor = System
    RadioButton1.Checked = false;
    RadioButton2.Checked = false;
  }
protected void RadioButton3_CheckedChanged
    (object sender, EventArgs e)
{ if (RadioButton3.Checked == true)
  { Label2.BackColor = System.Drawing.Color.Blue;
    RadioButton1.Checked = false;
    RadioButton2.Checked = false;
  }}
protected void Button3_Click (object sender, EventArgs e)
{}
protected void CheckBox1_CheckedChanged (object
    sender, EventArgs e)
```

FOR EDUCATIONAL USE

```
{ 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;
}
protected void ListBox1_SelectedIndex
    Changed(object sender, EventArgs e)
{
}
}
```

FOR EDUCATIONAL USE


Default.aspx.cs
Default.aspx
viewstatedata
Label
getdata
show
Button
Label
selected size
selected names
select colour
select special format


localhost:49950/Default.aspx
localhost
viewstatedata
ramsham
getdata
C++
c#
awp
es
awp
show
selected size
10
Button
selected names
sham
select colour
red
green
blue
select special format
bold
italic
underline

CODE:-
```
using System;
using System.Collection.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using ClassLibrary2;
public partial class _Default:System.Web.UI.Page
{
 protected void Page_Load(object sender,EventArgs e)
 {
 }
 protected void Button1_Click(object sender,EventArgs e)
 {
   AB a = new AB();
   TextBox1.Text = a.UpperConvert(TextBox1.Text);
 }
 protected void Button2_Click(object sender,EventArgs e)
 {
   AB a = new AB();
   TextBox1.Text = a.LowerConvert(TextBox1.Text);
 }
}
```

Sundaram
FOR EDUCATIONAL USE

Web.config Default.aspx.cs Default.aspx

```xml
<?xml version="1.0"?>
<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
  -->
<configuration>
  <system.web>
    <compilation debug="true" targetFramework="4.5"/>
    <httpRuntime targetFramework="4.5"/>
  </system.web>
</configuration>
```

Web.config Default.aspx.cs Default.aspx

body

Upper Lower

localhost:14036/Default.aspx

localhost:14036/Default.aspx

Upper Lower

ramsham

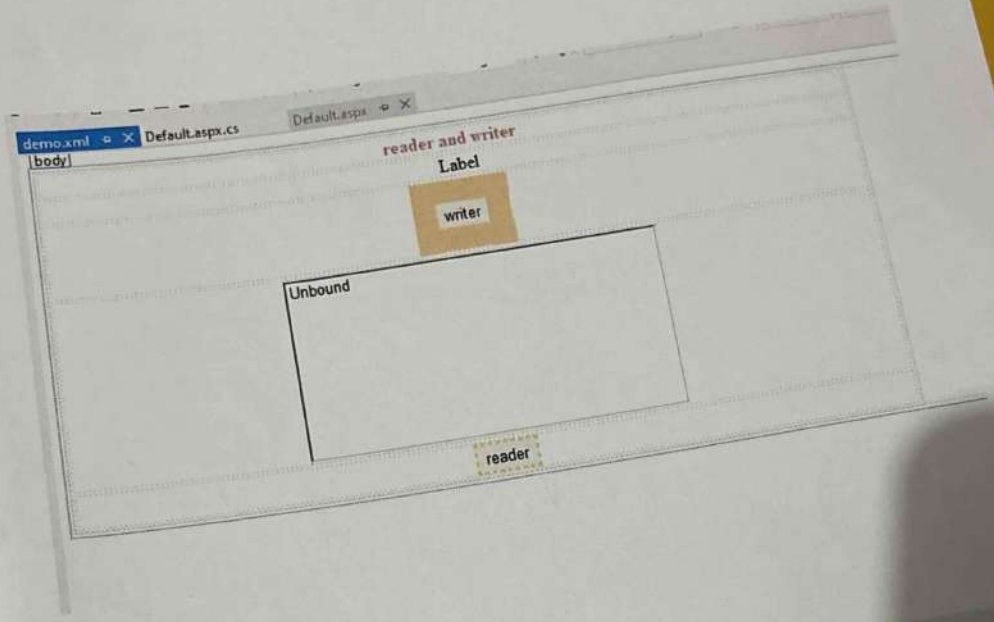
Practical No.:- 07

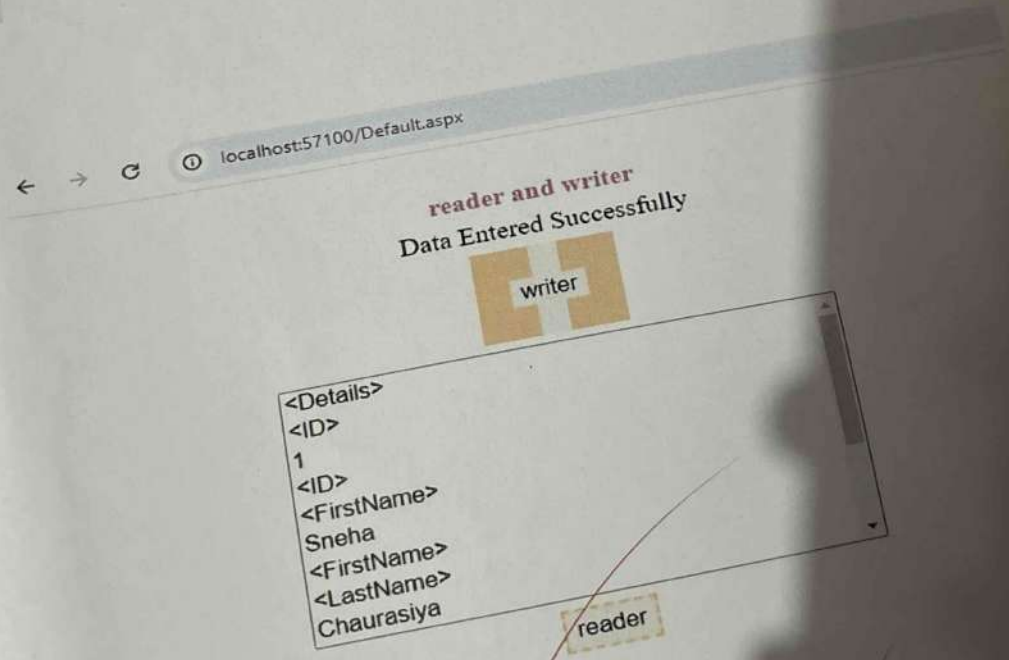
Aim:- Create a web Application to demonstrate use of various Ajax controls

CODE:-
```
using System;
using System.Collections.Generic.
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Xml;
public partial class _Default : System.Web.UI.Page
{
protected void Page_Load(object sender, EventArgs e)
{
}
protected void Button1_Click(object sender, EventArgs e)
{
XmlTextWriter writer = new XmlTextWriter("C:\\Users\\Admin\\
  Documents\\Visual Studio 2012\\Projects\\reader07\\demo.xml", null);
writer.WriteStartDocument();
writer.WriteStartElement("Details");
writer.WriteElementString("ID","1");
writer.WriteElementString("FirstName","Sneha");
writer.WriteElementString("LastName","Chaurasiya");
writer.WriteElementString("Salary","10000");
writer.WriteEndElement();
```

```
        writer.WriteEndDocument();
        writer.Close();
        Label1.Text = "Data Entered Successfully";
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
      String xmlNode = "C:\\Users\\Admin\\Documents\\
       visual Studio 2012\\Projects\\reader07\\demo.xml";
      XmlReader xreader = XmlReader.Create(xmlNode);
      while(xreader.Read())
      {
        switch(xreader.NodeType)
        {
          case XmlNodeType.Element:
            ListBox1.Items.Add("<"+xreader.Name+">");
            break;
          case XmlNodeType.Text:
            ListBox1.Items.Add(xreader.Value);
            break;
          case XmlNodeType.EndElement:
            ListBox1.Items.Add("<"+xreader.Name+">");
            break;
        }
      }
    }
}
```

Sundaram


demo.xml
Default.aspx.cs
Default.aspx
body
reader and writer
Label
writer
Unbound
reader


localhost:57100/Default.aspx
reader and writer
Data Entered Successfully
writer
<Details>
<ID>
1
<ID>
<FirstName>
Sneha
<FirstName>
<LastName>
Chaurasiya
reader

```
        TextBox3.Text = "";
        Label5.Text = "";
        Label6.Text = "";
        Label7.Text = "";
        Label8.Text = "";
    }
}
```