# **AWD**

# PRACTICAL

## VidyaVikas Education Society's



## VIKAS COLLEGE OF ARTS, SCIENCE & COMMERCE

Affiliated to University of Mumbai RE-ACCREDITED 'A' GRADE BY NAAC ISO 9001 : 2008 CERTIFIED

 $Vikas\ High\ School\ Marg,\ Kannamwar\ Nagar\ No\ 2,\ Vikhroli\ (E),\ Mumbai-400083$ 

<b>Dr. R. K. Patra</b> Principal					ri P. M. Raut . V. Edu. Society
This is to certify that,					
student of T.Y.B.Sc. (Inf	ormation Tech	nology)	(Semester-V)	with college	enrolled Roll
no	/ University	Seat		has	satisfactorily
completed the Practical v	work for the Sul	bject Ad	dvance Web De	velopment i	n the program
of Information Technolog	gy from the UN	IIVERS	ITY OF MUM	BAI for the a	academic year
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Guided By	Co	llege Se	eal	Head Of De <sub>l</sub>	partment
	Extern	al Exam	iner		

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## 1 Write the program for the following:

a. Create an application to print on screen the output of adding, subtracting, multiplying and dividing two numbers entered by the user in C#.

```
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
using System.Threading.Tasks;
namespace Practica1_a
  internal class Program
    static void Main(string[] args)
       int num3 = 0;
       Console.WriteLine("Enter a number: ");
       int num1 = Convert.ToInt32(Console.ReadLine());
       Console.WriteLine("Enter b number: ");
       int num2 = Convert.ToInt32(Console.ReadLine());
       Console.WriteLine("Enter choice \n 1-addition \n 2-Subtraction \n 3-Multiplication \n 4-Divide");
       int choice=Convert.ToInt32(Console.ReadLine());
       switch(choice)
         case 1:
            num3=num1+ num2;
            Console.WriteLine("Sum of a and b is: " + num3);
            break:
         case 2:
            num3=num1- num2;
            Console.WriteLine("Subtraction of a and b is: " + num3);
            break;
         case 3:
            num3 = num1* num2;
            Console.WriteLine("Multiplication of a and b is: " + num3);
            break;
          case 4:
            num3 = num1 / num2;
            Console.WriteLine("dividing of a and b is: " + num3);
            break:
         default:
            Console.WriteLine("Invalide choise..");
            break:
```

```
Console.ReadKey();

}

OUTPUT:
```

```
C:\Users\Admin\source\repos\Practica1_a\Practica1_a\bin\Debug\Practica1_a.exe
Enter a number:
10
Enter b number:
4
Enter choice
1-addition
2-Subtraction
3-Multiplication
4-Divide
3
Multiplication of a and b is: 40
```

## b. Create an application to print Floyd's triangle till n rows in C#.

## Output:

```
C:\Users\Admin\source\repos\Floyd's_Triangle\bin\Debug\net8.0\Floyd's_Triangle.exe
  5
      6
  8 9
        10
   12
        13
            14
                 15
                     21
            19
                 20
        24
            25
                 26
                     27
                         28
   30
        31
            32
                     34
                         35
37
   38
        39
                     42 43
                              44
                                 45
            40
                41
46
    47
        48
            49
                 50
                     51 52
                              53
                                       55
56
   57
        58
            59
                    61 62
                                       65
                 60
                              63
                                  64
                                           66
   68
        69
            70
                 71
                     72
                         73
                              74
                                  75
                                       76
                                           77
                                               78
        81
            82
                     84
                         85
                              86
                 83
                                  87
                              99
            95
                 96
                     97
                         98
                                  100
                                       101
                                             102
                                                   103
                                                        104
```

c. Create an application to demonstrate following operations i. Generate Fibonacci series. ii. Test for prime numbers.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace Practical1_C
{
    public class Choice
    {
        public void Fiobonacci()
        {
            Console.WriteLine("Enter the number: ");
            int n=Convert.ToInt32(Console.ReadLine());
```

```
int n1=0, n2=1, n3;
    for(int i=0; i<n; i++)
       n3 = n1 + n2;
       n1 = n2;
       n2 = n3;
       Console.Write(n3 + " ");
  }
public void isPrime()
  Console.WriteLine("Enter the number for checking is prime or not");
  int num = Convert.ToInt32(Console.ReadLine());
  int flag = 0;
  for (int i = 2; i < num / 2; i++)
    if (num \% 2 == 0)
       Console.WriteLine("Is not prime number");
       flag = 1;
       break;
    }
  }
  if (flag == 0)
    Console.WriteLine("is prime number");
}
internal class Program
static void Main(string[] args)
  Choice c1 = new Choice();
  bool iscontinue = true;
  while(iscontinue)
  {
     Console.WriteLine("Enter choice to 1:generate fibonaccie and 2: check number prime");
    int choice = Convert.ToInt32(Console.ReadLine());
    if (choice == 1)
       c1.Fiobonacci();
    else if (choice == 2)
       c1.isPrime();
     else
```

```
Console.WriteLine("please choice valide");
}

Console.WriteLine("\nDo you want to continue....:[Y/N]");
String userResponse = Console.ReadLine();
if(userResponse !="y" && userResponse !="Y")
{
    iscontinue = false;
}

Console.WriteLine("Program existed ....");
}
```

```
C:\Users\Admin\source\repos\Practical1_C\bin\Debug\Practical1_C.exe

contrcEnter choice to 1:generate fibonaccie and 2: check number prime

xt to il

Enter the number:

10

1 2 3 5 8 13 21 34 55 89

Do you want to continue...:[Y/N]

y

Enter choice to 1:generate fibonaccie and 2: check number prime

2

Enter the number for checing is prime or not

5

is prime number

Do you want to continue...:[Y/N]
```

## 2. Write the program for the following:

a. Create a simple application to demonstrate the concepts boxing and unboxing.

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

```
using System.Threading.Tasks;
namespace prac2a
  internal class Program
    static void Main(string[] args)
       int num = 100;
       Object boxed = num;
       Console.WriteLine("Boxed value: "+boxed);
       int unboxed=(int)boxed;
       Console.WriteLine("Unboxed value: " + unboxed);
       num = 200;
       Console.WriteLine("Origanal valaue after modification: " + num);
       Console.WriteLine("Boxed value remain unchanged: " + boxed);
       Console.ReadKey();
    }
  }
}
```

```
C:\Users\Admin\source\repos\prac2a\prac2a\bin\Debug\prac2a.exe

Boxed value: 100

Unboxed value: 100

Origanal valaue after modification: 200

Boxed value remain unchanged: 100
```

b. Create a simple application to perform addition and subtraction using delegate.

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

namespace prac2b
{
   public delegate int MathOperation(int x, int y );
   internal class Program
```

```
{
    public static int Add(int a , int b)
    {
        return a + b;
    }
    public static int Subtract(int a , int b) { return a - b; }
    static void Main(string[] args)
    {
        MathOperation operation = Add;
        Console.WriteLine("\tAddition: "+operation(10,10));
        operation=Subtract;
        Console.WriteLine("\tSubtraction: "+operation(50,20));
        Console.ReadKey();
     }
}
```

```
C:\Users\Admin\source\repos\prac2b\prac2b\bin\Debug\prac2b.exe
Addition: 20
Subtraction: 30
```

c. Create a simple application to demonstrate use of the concepts of interfaces.

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace prac2c
{
   interface abc
   {
      void Adding(int x, int y);
   }
   interface bcd
   {
      void show();
```

```
}
class Test:abc,bcd
  public void Adding(int a,int b)
     Console.WriteLine("Addition is: "+(a + b));
  public void show()
     Console.WriteLine("show of test from abc");
  }
internal class Program
  static void Main(string[] args)
     abc a1;
     a1=new Test();
     a1.Adding(10, 10);
     bcd b1=(bcd)a1;
     b1.show();
     Console.ReadKey();
  }
}
```

```
C:\Users\Admin\source\repos\prac2c\prac2c\bin\Debug\prac2c.exe

Addition is: 20
show of test from abc
```

## 3 Write the program for the following:

a. Create a simple web page with various server controls to demonstrate setting and use of their properties. (Example : AutoPostBack)

Register.aspx file

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Register.aspx.cs" Inherits="prac3a.Register"
%>
```

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <center>
  <form id="form1" runat="server">
    <div>
      <h1>Registeration Form</h1>
      <br />
      Name:  
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
      Email Id: 
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
      Course:  
        <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
      >
        Gender:   
        <asp:RadioButton ID="RadioButton1" runat="server" GroupName="gender" Text="MALE" />
           
        <asp:RadioButton ID="RadioButton2" runat="server" GroupName="gender" Text="FEMALE" />
      Esports:
        <asp:CheckBox ID="CheckBox1" runat="server" Text="CLASH OF CLANS" />
        <asp:CheckBox ID="CheckBox2" runat="server" Text="PUBG" />
        <asp:CheckBox ID="CheckBox3" runat="server" Text="VALORANT" />
        <asp:CheckBox ID="CheckBox4" runat="server" Text="CALL OF DUTY" />
      >
        <asp:Button ID="Button1" runat="server" Text="Register" OnClick="Button1_Click" />
      <br />
      >
        <asp:Label ID="Label1" runat="server"></asp:Label>
```

String gender = "";

```
<asp:Label ID="Label2" runat="server"></asp:Label>
      <asp:Label ID="Label3" runat="server"></asp:Label>
      <asp:Label ID="Label4" runat="server"></asp:Label>
      <asp:Label ID="Label5" runat="server"></asp:Label>
      </div>
  </form>
   
    </center>
</body>
</html>
       Register.aspx.cs file:
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace prac3a
  public partial class Register: System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
    protected void Button1_Click(object sender, EventArgs e)
String Name=TextBox1.Text;
String Email=TextBox2.Text;
String Course=TextBox3.Text;
```

```
if (RadioButton1.Checked)
  gender = RadioButton1.Text;
else
  gender = RadioButton2.Text;
String Esports = "";
if (CheckBox1.Checked)
  Esports=CheckBox1.Text;
if(CheckBox2.Checked)
  Esports=CheckBox2.Text;
if (CheckBox3.Checked)
  Esports=CheckBox3.Text;
if(CheckBox4.Checked)
  Esports=CheckBox4.Text;
Label1.Text = "Your name is: " + Name;
Label2.Text="Email Id: "+Email;
Label3.Text="Course: "+Course;
Label4.Text = "Gender: " + gender;
Label5.Text = "Esports: " + Esports;
```

# **Registeration Form**

Name:	Suraj
Email Id:	surajkadam1706004@gmai
Course:	BSC.IT
Gender:	● MALE ○ FEMALE
Esports: CLASH OF CLANS	S ☑ PUBG ☐ VALORANT ☐ CALL OF DUTY
	Register
7	Your name is: Suraj
Email Id: sur	rajkadam1706004@gmail.com
	Course: BSC.IT
	Gender : MALE
	Esports: PUBG

b. Create a simple application to demonstrate your vacation using calendar control.

## Calederform.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Calenderform.aspx.cs"
Inherits="Calenderform.Calenderform" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
        <title></title>
</head>
<body>
```

```
<form id="form1" runat="server">
    <div>
       <asp:Calendar ID="Calendar1" runat="server" BackColor="#FFFCC" BorderColor="#FFCC66"
BorderWidth="1px" DayNameFormat="Shortest" Font-Names="Verdana" Font-Size="8pt"
ForeColor="#663399" Height="200px" ShowGridLines="True" Width="602px"
OnDayRender="Calendar1_DayRender" OnSelectionChanged="Calendar1_SelectionChanged"
SelectedDate="10/12/2024 12:34:57">
         <DayHeaderStyle BackColor="#FFCC66" Font-Bold="True" Height="1px" />
         <NextPrevStyle Font-Size="9pt" ForeColor="#FFFFCC" />
         <OtherMonthDayStyle ForeColor="#CC9966" />
         <SelectedDayStyle BackColor="#CCCCFF" Font-Bold="True" />
         <SelectorStyle BackColor="#FFCC66" />
         <TitleStyle BackColor="#990000" Font-Bold="True" Font-Size="9pt" ForeColor="#FFFFCC" />
         <TodayDayStyle BackColor="#FFCC66" ForeColor="White" />
       </asp:Calendar>
       <br />
       <asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1_Click" />
       <br />
       <asp:Label ID="Label1" runat="server"></asp:Label>
    </div>
  </form>
</body>
</html>
Calenderform.aspx.cs
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace Calenderform
  public partial class Calenderform: System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
    {
    protected void Calendar1_SelectionChanged(object sender, EventArgs e)
```

```
Calendar1.SelectedDayStyle.BackColor = System.Drawing.Color.Yellow;
    Calendar1.SelectedDayStyle.ForeColor= System.Drawing.Color.Green;
  }
  protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
    if(e.Day.Date.Year==2024 && e.Day.Date.Month==8 && e.Day.Date.Day==15)
       Label I1=new Label();
       I1.Text = "<br>independence DAY";
       e.Cell.Controls.Add(I1);
    if (e.Day.Date.Year == 2024 && e.Day.Date.Month == 10 && e.Day.Date.Day == 2)
       Label I2 = new Label();
       I2.Text = "<br>hr>MAHATNA GANDHI JAYANTI";
       e.Cell.Controls.Add(l2);
       e.Cell.BackColor= System.Drawing.Color.Red;
  }
  protected void Button1_Click(object sender, EventArgs e)
    Label1.Text = Calendar1.SelectedDate.ToString();
}
```

<	October 2024					<u>&gt;</u>	
	Su	Мо	Tu	We	Th	Fr	Sa
	<u>29</u>	<u>30</u>	1	<u>2</u> MAHATNA GANDHI JAYANTI	<u>3</u>	<u>4</u>	<u>5</u>
	<u>6</u>	2	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	
	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>
	<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>
	<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>31</u>	1	<u>2</u>
	<u>3</u>	4	<u>5</u>	<u>6</u>	7	<u>8</u>	<u>9</u>

Button

10/13/2024 12:00:00 AM

## c. Demonstrate the use of Treeview operations on the web form.

TreeViewForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="TreeviewForm.aspx.cs"</p>
Inherits="prac3c.TreeviewForm" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
       <asp:TreeView ID="TreeView1" runat="server" ImageSet="Arrows"
OnSelectedNodeChanged="TreeView1_SelectedNodeChanged">
         <HoverNodeStyle Font-Underline="True" ForeColor="#5555DD" />
         <Nodes>
           <asp:TreeNode Text="Vikas College" Value="college">
             <asp:TreeNode Text="BSC.CS" Value="BSC.CS">
                <asp:TreeNode Text="TYCS" Value="TYCS"></asp:TreeNode>
             </asp:TreeNode>
             <asp:TreeNode Text="BSC.IT" Value="BSC.IT">
             <asp:TreeNode Text="TYIT" Value="TYIT">
               <asp:TreeNode Text="AWD" Value="AWD">
                  <asp:TreeNode Text="Prac1"Value="Prac1"></asp:TreeNode>
                  <asp:TreeNode Text="prac2" Value="prac2"></asp:TreeNode>
                  <asp:TreeNode Text="prac4" Value="prac4"></asp:TreeNode>
               </asp:TreeNode>
             </asp:TreeNode>
           </asp:TreeNode>
           </asp:TreeNode>
         </Nodes>
         <NodeStyle Font-Names="Tahoma" Font-Size="10pt" ForeColor="Black" HorizontalPadding="5px"
NodeSpacing="0px" VerticalPadding="0px" />
         <ParentNodeStyle Font-Bold="False" />
         <SelectedNodeStyle Font-Underline="True" ForeColor="#5555DD" HorizontalPadding="0px"</p>
VerticalPadding="0px" />
      </asp:TreeView>
      <br />
 <asp:TextBox ID="TextBox1" runat="server" style="margin-top: 0px" Width="466px"></asp:TextBox>
    </div>
  </form>
```

```
</body>
```

### TreeViewForm.aspx.cs:

#### **OUTPUT**:

```
▼ Vikas College

▶ BSC.CS
▼ BSC.IT
▼ TYIT
▼ AWD

▶ Prac1
▶ prac2
▶ prac4

Selected Node: TYIT
```

## 4 Write the program for the following:

## a. Create a Registration form to demonstrate use of various Validation controls.

## 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>
 <system.web>
  <compilation debug="true" targetFramework="4.7.2" />
  <a href="httpRuntime targetFramework="4.7.2"/>
 </system.web>
        <appSettings>
                <add key="ValidationSettings:UnobtrusiveValidationMode" value="None"/>
        </appSettings>
 <system.codedom>
  <compilers>
   <compiler language="c#;cs;csharp" extension=".cs"</pre>
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"</pre>
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>
```

## ValidationForm.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="ValidatorForm.aspx.cs"
Inherits="prac4a.ValidatorForm" %>

<!DOCTYPE html>

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

```
<div>
>
Name: <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><asp:RequiredFieldValidator
ID="RequiredFieldValidator1" runat="server" ErrorMessage="Please provide name"
ControlToValidate="TextBox1" ValidationGroup="a"></asp:RequiredFieldValidator>
>
        Age:
         <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
         <asp:RangeValidator ID="RangeValidator1" runat="server" ControlToValidate="TextBox2"
ErrorMessage="Age between 17-25" MaximumValue="25" MinimumValue="17"
ValidationGroup="a"></asp:RangeValidator>
>
         <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Add" ValidationGroup="a"
/>
<asp:Label ID="Label1" runat="server"> </asp:Label>
<asp:Label ID="Label2" runat="server"></asp:Label>
</div>
  </form>
</body>
</html>
ValidationForm.aspx.cs
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace prac4a
  public partial class ValidatorForm : System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
    protected void Button1_Click(object sender, EventArgs e)
      Label1.Text="Welcome"+TextBox1.Text;
      Label2.Text="Your Age is: "+TextBox2.Text;
```

```
23 | Page

}
}
CUTPUT:

Name: Suraj

Age: 20

Add

Name: Please provide name

Welcome Suraj

Age: 35

Your Age is: 20

Add
```

#### b. Create Web Form to demonstrate use of Adrotator Control.

#### XMLFile1.xml

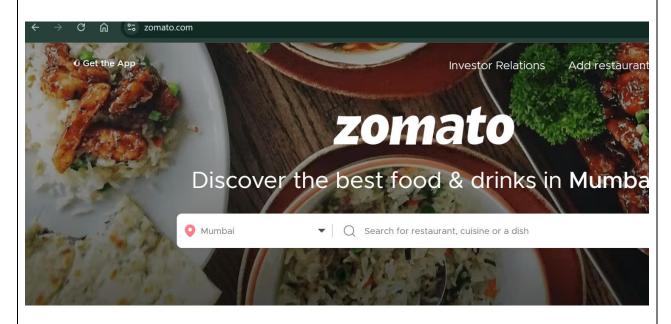
```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
       <Ad>
               <ImageUrl>pizza.jpeg</ImageUrl>
               <NavigateUrl>https://www.zomato.com/</NavigateUrl>
               <AlternateText>
                       Pizza
               </AlternateText>
               <Impressions>20</Impressions>
               <Keyword>pizza</Keyword>
       </Ad>
       <Ad>
               <ImageUrl>burger.jpeg</ImageUrl>
               <NavigateUrl>https://www.zomato.com/</NavigateUrl>
               <AlternateText>
                       Burger
               </AlternateText>
               <Impressions>30</Impressions>
               <Keyword>Burger</Keyword>
       </Ad>
       <Ad>
               </mageUrl>kfc.jpeg/ImageUrl>
               <NavigateUrl>https://www.zomato.com/</NavigateUrl>
               <AlternateText>
                       KFC
               </AlternateText>
```

## Ads.aspx file:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Ads.aspx.cs" Inherits="Prac4b.Ads" %>
<!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="300px"/>
       <%-- --<mark>%></mark>
       <br />
       <asp:XmlDataSource ID="XmlDataSource1" runat="server"
DataFile="~/XMLFile1.xml"></asp:XmlDataSource>
    </div>
  </form>
</body>
</html>
```

#### **OUTPUT:**





#### c. Create Web Form to demonstrate use User Controls

```
WebUserControl1.ascx file:

<p
```

```
<br />
  <asp:Label ID="Label2" runat="server" Text="Password"> </asp:Label>
  <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
  <br />
  <br />
  <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Register" />
  <asp:Label ID="Label3" runat="server"></asp:Label>
</div>
WebForm1.aspx file:
« Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac4c1.WebForm1" %>
« Register src="WebUserControl1.ascx" tagname="WebUserControl1" tagprefix="uc1" %
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <uc1:WebUserControl1 ID="WebUserControl11" runat="server" />
    <div>
    </div>
  </form>
</body>
</html>
OUTPUT:
```

Name: abc
Password abc1234
Register Valid login

## 5 Write the program for the following:

a. Create Web Form to demonstrate use of Website Navigation controls.

## Web.sitemap:

```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
 <siteMapNode url="~/Home.aspx" title="Home page1" description="">
  <siteMapNode url="~/admin/admin.aspx" title="admin page" description=""/>
         <siteMapNode url="~/staff/staffHome.aspx" title="staff home" description="" >
                 <siteMapNode url="~/staff/addStudent.aspx" title="add student" description=""/>
         </siteMapNode>
         <siteMapNode url="~/students/studentHome.aspx" title="student home" description="">
                 <siteMapNode url="~/students/exam.aspx" title="exam page" description="">
                         <siteMapNode url="~/students/result.aspx" title="result page" description=""/>
                 </siteMapNode>
         </siteMapNode>
 </siteMapNode>
</siteMap>
Site1.master:
«@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs"
Inherits="Practical5A.Site1" %>
<!DOCTYPE html>
<html>
<head runat="server">
  <title></title>
  <asp:ContentPlaceHolder ID="head" runat="server">
  </asp:ContentPlaceHolder>
</head>
<body>
  <form id="form1" runat="server">
    <div>
       <asp:SiteMapPath ID="SiteMapPath1" runat="server" Font-Names="Verdana" Font-Size="0.8em"
PathSeparator=":">
         <CurrentNodeStyle ForeColor="#333333" />
         <NodeStyle Font-Bold="True" ForeColor="#990000" />
         <PathSeparatorStyle Font-Bold="True" ForeColor="#990000" />
         <RootNodeStyle Font-Bold="True" ForeColor="#FF8000" />
       </asp:SiteMapPath>
       <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
       </asp:ContentPlaceHolder>
       <asp:SiteMapDataSource ID="SiteMapDataSource1" 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>
 <system.web>
         <siteMap>
                 oviders>
                         <remove name="MySqlSiteMapProvider"/>
                 </providers>
         </siteMap>
  <compilation debug="true" targetFramework="4.7.2" />
  <a href="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>
```

#### Home.aspx:

```
<%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master" AutoEventWireup="true"
CodeBehind="Home.aspx.cs" Inherits="Practical5A.Home" %>
<asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
</asp:Content>
<asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1" runat="server">
<h1>This is my home page</h1>

<asp:HyperLink ID="HyperLink1" runat="server" ForeColor="#663300"
NavigateUrl="~/admin/admin.aspx">Admin</asp:HyperLink>
&nbsp;&nbsp;&nbsp;&nbsp;
<asp:HyperLink ID="HyperLink2" runat="server" ForeColor="Aqua"
NavigateUrl="~/staff/staffHome.aspx">Staff</asp:HyperLink>
&nbsp;&nbsp;&nbsp;&nbsp;
<asp:HyperLink ID="HyperLink3" runat="server" ForeColor="#FF6600"
NavigateUrl="~/students/studentHome.aspx">Students</asp:HyperLink></asp:HyperLink>
NavigateUrl="~/students/studentHome.aspx">Students</asp:HyperLink>
```

```
29 | Page
```

```
</asp:Content>
```

```
Home page1 : staff home : add student

This is add student page..
```

b. Create a web application to demonstrate use of Master Page and content page.

## Site1.master

```
« Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs"
Inherits="practical5B.Site1" %>
<!DOCTYPE html>
<html>
<head runat="server">
  <title></title>
  k rel="stylesheet" type="text/css" href="~/css/StyleSheet1.css" />
  <asp:ContentPlaceHolder ID="head" runat="server">
  </asp:ContentPlaceHolder>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <header id="header">
        <h1>Learning</h1>
      </header>
      <nav id="nav">
        <span>Logo</span>
          <a href="#">Home</a>
          <a href="#">About</a>
          <a href="#">Artical</a>
          <a href="#">Contact</a>
        </nav>
      <div id="con">
      <div id="content">
        <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
</asp:ContentPlaceHolder>
```

```
</div>
<aside>
<a href="#">news</a>
<a href="#">news</a>
<a href="#">news</a>
<a href="#">news</a>
<a href="#">news</a>
</aside>
</div>
<footer>
@CopyRight
</form>
</body>
</html>
```

## WebForm1.aspx

#### **OUTPUT:**

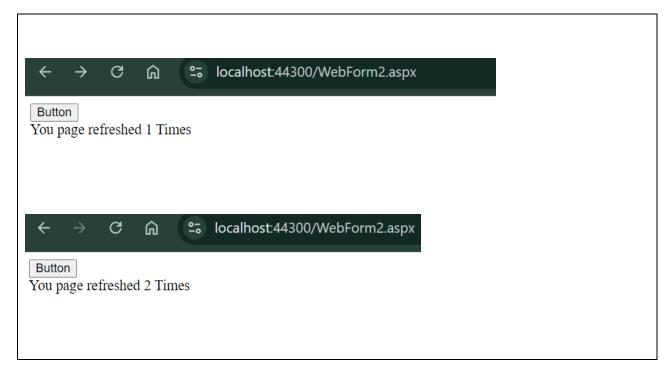


c. Create a web application to demonstrate various states of ASP.NET Pages.

#### Webform2.aspx:

```
@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm2.aspx.cs"
Inherits="Practical6.WebForm2" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
       <asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1_Click" />
    <asp:Label ID="Label1" runat="server"> </asp:Label>
  </form>
</body>
</html>
WebForm2.aspx.cs
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace Practical6
  public partial class WebForm2 : System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
      if(!IsPostBack)
      {
         ViewState.Add("myx",x);
    }
    protected void Button1_Click(object sender, EventArgs e)
     x = int.Parse(ViewState["myx"].ToString());
      Label1.Text="You page refreshed "+ x.ToString()+" Times";
      ViewState["myx"] = x;
```

```
32 | Page
}
}
```



## 6 .Write the program for the following:

a. Create a web application for inserting and deleting records from a database.

WebForm1.aspx:

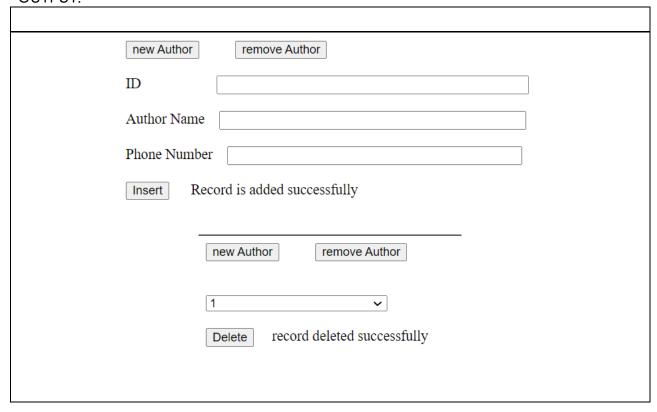
```
<br />
       <br />
       <asp:MultiView ID="MultiView1" runat="server">
          <asp:View ID="View1" runat="server">
            <asp:Label ID="Label1" runat="server" Text="ID"></asp:Label>
                                                                                                                                                                                                                                                                                                                                                     
bsp;   
            <asp:TextBox ID="TextBox1" runat="server" TextMode="Number"
Width="340px"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="TextBox1" ErrorMessage="*" ValidationGroup="a"> </asp:RequiredFieldValidator>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Author Name"></asp:Label>
              
            <asp:TextBox ID="TextBox2" runat="server" MaxLength="50" Width="334px"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ControlToValidate="TextBox2" ErrorMessage="*" ValidationGroup="a"> </asp:RequiredFieldValidator>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server" Text="Phone Number"></asp:Label>
              
            <asp:TextBox ID="TextBox3" runat="server" MaxLength="10" Width="321px"> </asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" Display="Dynamic"
ErrorMessage="*" ValidationGroup="a" ControlToValidate="TextBox3"></asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
ControlToValidate="TextBox3" ErrorMessage="invalide number" ValidationExpression="\d{10}"
ValidationGroup="a"></asp:RegularExpressionValidator>
            <br />
            <asp:Button ID="Button3" runat="server" OnClick="Button3_Click" Text="Insert"
ValidationGroup="a"/>
               
            <asp:Label ID="Label4" runat="server"></asp:Label>
          </asp:View>
          <asp:View ID="View2" runat="server">
            <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" Width="202px">
            </asp:DropDownList>
                 
            <asp:Label ID="Label5" runat="server"></asp:Label>
            <br />
            <br />
            <asp:Button ID="Button4" runat="server" OnClick="Button4_Click" Text="Delete" />
               
            <asp:Label ID="Label6" runat="server"> </asp:Label>
```

```
</asp:View>
       </asp:MultiView>
    </div>
  </form>
</body>
</html>
WebForm1.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Web.Configuration;
namespace InsertandDelete
  public partial class WebForm1 : System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
    protected void Button1_Click(object sender, EventArgs e)
       MultiView1.SetActiveView(View1);
    }
    protected void Button2_Click(object sender, EventArgs e)
       MultiView1.SetActiveView(View2);
       updateDropdownList();
       Label5.Text = "";
       Label6.Text = "";
    }
    protected void Button3_Click(object sender, EventArgs e)
      try
         SqlConnection conn = new
SqlConnection(WebConfigurationManager.ConnectionStrings["c1"].ConnectionString);
         conn.Open();
```

```
SqlCommand cmd = new SqlCommand("insert into Authors values(@id,@name,@phone)", conn);
         cmd.Parameters.AddWithValue("@id", TextBox1.Text);
         cmd.Parameters.AddWithValue("@name", TextBox2.Text);
         cmd.Parameters.AddWithValue("@phone", TextBox3.Text);
         cmd.ExecuteNonQuery();
         Label4.Text = "Record is added successfully";
         TextBox1.Text = "";
         TextBox2.Text = "";
         TextBox3.Text = "";
         conn.Close();
         updateDropdownList();
      catch (Exception ex)
         Label4.Text = ex.Message;
    }
    protected void Button4_Click(object sender, EventArgs e)
      try {
         SqlConnection con = new
SqlConnection (WebConfiguration Manager. Connection Strings ["c1"]. Connection String);\\
         con.Open();
         SqlCommand cmd = new SqlCommand("delete from Authors where Auid=@id", con);
         cmd.Parameters.AddWithValue("@id", DropDownList1.SelectedItem.Text);
         cmd.ExecuteNonQuery ();
         con.Close();
         Label6.Text = "record deleted successfully";
         updateDropdownList ();
         Label5.Text = "";
      catch(Exception ex) { Label6.Text = ex.Message; }
    public void updateDropdownList()
      try
      {
         SqlConnection con = new
SqlConnection(WebConfigurationManager.ConnectionStrings["c1"].ConnectionString);
         con.Open();
         SqlCommand cmd = new SqlCommand("select * from Authors", con);
         SqlDataReader dr= cmd.ExecuteReader();
         DropDownList1.DataSource = dr;
         DropDownList1.DataTextField = "Auid";
         DropDownList1.DataValueField = "Auname";
         DropDownList1.DataBind();
         con.Close();
      }
      catch (SqlException ex)
```

```
{
    throw ex;
}

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    Label5.Text = "Selected Author is " + DropDownList1.SelectedValue;
}
}
```



b. Create a web application to display Using Disconnected Data Access and Databinding using GridView.

## WebForm1.aspx

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac6b.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
```

```
<title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
       <asp:Label ID="Label1" runat="server" Text="Employee Salary &gt;"></asp:Label>
       
       <asp:TextBox ID="TextBox1" runat="server" TextMode="Number"></asp:TextBox>
       <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="TextBox1" ErrorMessage="*" ValidationGroup="a"> </asp:RequiredFieldValidator>
       <br />
       <br />
       <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Show Data"
ValidationGroup="a" Width="243px" />
       <br />
       <br />
       <asp:GridView ID="GridView1" runat="server" BackColor="White" BorderColor="#CC9966"
BorderStyle="None" BorderWidth="1px" CellPadding="4">
         <FooterStyle BackColor="#FFFFCC" ForeColor="#330099" />
         <HeaderStyle BackColor="#990000" Font-Bold="True" ForeColor="#FFFFCC" />
         <PagerStyle BackColor="#FFFFCC" ForeColor="#330099" HorizontalAlign="Center" />
         <RowStyle BackColor="White" ForeColor="#330099" />
         <SelectedRowStyle BackColor="#FFCC66" Font-Bold="True" ForeColor="#663399" />
         <SortedAscendingCellStyle BackColor="#FEFCEB" />
         <SortedAscendingHeaderStyle BackColor="#AF0101" />
         <SortedDescendingCellStyle BackColor="#F6F0C0" />
         <SortedDescendingHeaderStyle BackColor="#7E0000" />
       </asp:GridView>
       <br />
       <asp:Label ID="Label2" runat="server"> </asp:Label>
    </div>
  </form>
</body>
</html>
```

### WebForm1.aspx.cs

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

```
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 {
         SqlConnection con = new
SqlConnection(WebConfigurationManager.ConnectionStrings["c1"].ConnectionString);\\
         con.Open();
         String sql = "select * from Employee where Esalary>" + TextBox1.Text;
         SqlDataAdapter da = new SqlDataAdapter(sql, con);
         DataSet ds = new DataSet();
         da.Fill(ds);
         GridView1.DataSource = ds.Tables[0];
         GridView1.DataBind();
         con.Close();
       catch (Exception ex)
         Label2.Text= ex.Message;
    }
  }
```

### **OUTPUT**:

Employee Salary > 0

Show Data

Eid	Ename	Esalary
1	Suraj Kadam	40000
2	ABC	10000
3	Rupesh	12500
4	Sairaj	20000

Employee Salary > 10000

Show Data

Eid	Ename	Esalary
1	Suraj Kadam	40000
3	Rupesh	12500
4	Sairaj	20000

#### 8. Write the program for the following:

# a. Create a web application for inserting and deleting records from a database. (Using Execute-Non Query).

WebForm1.aspx:

```
«@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="InsertandDelete.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
     <div>
       <asp:Button ID="Button1" runat="server" Text="new Author" OnClick="Button1_Click" />
             
       <asp:Button ID="Button2" runat="server" Text="remove Author" OnClick="Button2_Click" />
       <br />
       <br />
       <asp:MultiView ID="MultiView1" runat="server">
          <asp:View ID="View1" runat="server">
            <asp:Label ID="Label1" runat="server" Text="ID"></asp:Label>
                                                                                                                                                                                                                                                                                                                                                     
bsp;   
            <asp:TextBox ID="TextBox1" runat="server" TextMode="Number"
Width="340px"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="TextBox1" ErrorMessage="*" ValidationGroup="a"> </asp:RequiredFieldValidator>
            <br />
            <br />
            <asp:Label ID="Label2" runat="server" Text="Author Name"></asp:Label>
              
            <asp:TextBox ID="TextBox2" runat="server" MaxLength="50" Width="334px"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ControlToValidate="TextBox2" ErrorMessage="*" ValidationGroup="a"></asp:RequiredFieldValidator>
            <br />
            <br />
            <asp:Label ID="Label3" runat="server" Text="Phone Number"></asp:Label>
              
            <asp:TextBox ID="TextBox3" runat="server" MaxLength="10" Width="321px"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server" Display="Dynamic"
ErrorMessage="*" ValidationGroup="a" ControlToValidate="TextBox3"> </asp:RequiredFieldValidator>
```

```
<asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
ControlToValidate="TextBox3" ErrorMessage="invalide number" ValidationExpression="\d{10}"
ValidationGroup="a"></asp:RegularExpressionValidator>
           <br />
           <br />
           <asp:Button ID="Button3" runat="server" OnClick="Button3_Click" Text="Insert"
ValidationGroup="a"/>
               
           <asp:Label ID="Label4" runat="server"></asp:Label>
         </asp:View>
         <asp:View ID="View2" runat="server">
           <br />
           <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
OnSelectedIndexChanged="DropDownList1_SelectedIndexChanged" Width="202px">
           </asp:DropDownList>
                
           <asp:Label ID="Label5" runat="server"></asp:Label>
           <br />
           <br />
           <asp:Button ID="Button4" runat="server" OnClick="Button4_Click" Text="Delete" />
              
           <asp:Label ID="Label6" runat="server"></asp:Label>
         </asp:View>
      </asp:MultiView>
    </div>
  </form>
</body>
</html>
WebForm1.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Web.Configuration;
namespace InsertandDelete
  public partial class WebForm1 : System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
```

```
}
    protected void Button1_Click(object sender, EventArgs e)
       MultiView1.SetActiveView(View1);
    }
    protected void Button2_Click(object sender, EventArgs e)
       MultiView1.SetActiveView(View2);
       updateDropdownList();
       Label5.Text = "";
       Label6.Text = "";
    }
    protected void Button3_Click(object sender, EventArgs e)
       try
         SqlConnection conn = new
SqlConnection (WebConfiguration Manager. Connection Strings ["c1"]. Connection String);\\
         conn.Open();
         SqlCommand cmd = new SqlCommand("insert into Authors values(@id,@name,@phone)", conn);
         cmd.Parameters.AddWithValue("@id", TextBox1.Text);
         cmd.Parameters.AddWithValue("@name", TextBox2.Text);
         cmd.Parameters.AddWithValue("@phone", TextBox3.Text);
         cmd.ExecuteNonQuery();
         Label4.Text = "Record is added successfully";
         TextBox1.Text = "";
         TextBox2.Text = "";
         TextBox3.Text = "";
         conn.Close();
         updateDropdownList();
       catch (Exception ex)
         Label4.Text = ex.Message;
      }
    protected void Button4_Click(object sender, EventArgs e)
      try {
         SqlConnection con = new
SqlConnection(WebConfigurationManager.ConnectionStrings["c1"].ConnectionString);
         con.Open();
         SqlCommand cmd = new SqlCommand("delete from Authors where Auid=@id", con);
         cmd.Parameters.AddWithValue("@id", DropDownList1.SelectedItem.Text);
         cmd.ExecuteNonQuery ();
```

```
con.Close();
         Label6.Text = "record deleted successfully";
         updateDropdownList ();
         Label5.Text = "";
      }
       catch(Exception ex) { Label6.Text = ex.Message; }
    }
    public void updateDropdownList()
      try
      {
         SqlConnection con = new
SqlConnection(WebConfigurationManager.ConnectionStrings["c1"].ConnectionString);
         con.Open();
         SqlCommand cmd = new SqlCommand("select * from Authors", con);
         SqlDataReader dr= cmd.ExecuteReader();
         DropDownList1.DataSource = dr;
         DropDownList1.DataTextField = "Auid";
         DropDownList1.DataValueField = "Auname";
         DropDownList1.DataBind();
         con.Close();
       catch (SqlException ex)
         throw ex;
    }
    protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
       Label5.Text = "Selected Author is" + DropDownList1.SelectedValue;
  }
```

### b. Create a web application for user defined exception handling.

#### NumberTooLargeException.cs:

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

namespace prac8b
{
    public class NumberTooLargeException : Exception
      {
        public NumberTooLargeException():base() { }
}
```

```
public NumberTooLargeException(string message) : base(message) { }
   public NumberTooLargeException(String message, Exception innerException) : base(message, innerException) { }
  }
}
```

### 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 prac8b
  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 number=int.Parse(TextBox1.Text);
       if(number>100)
           throw new NumberTooLargeException("The number entered too large please enter valide
number");
         Label2.Text = "Number is valide";
      }
       catch (NumberTooLargeException ex)
         Label2.Text = "Custome Error: "+ex.Message;
       catch(FormatException ex)
         Label2.Text= "Format Exception "+ex.Message;
       catch (Exception ex) { }
  }
```

### WebForm1.aspx:

```
« Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac8b.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <h2>Input Number (must be less than or equaal to 100) </h2>
      <asp:Label ID="Label1" runat="server" Text="Enter Number"></asp:Label>
  
      <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
      <asp:Button ID="Button1" runat="server" Text="Button" OnClick="Button1_Click" />
      <br />
      <asp:Label ID="Label2" runat="server"></asp:Label>
  </form>
</body>
</html>
```

#### **OUTPUT:**

# Input Number (must be less than or equaal to 100)

Enter Number	101
Button	

Custome Error: The number entered too large please enter valide number

# 10 Write the program for the following:

a. Create a web application to demonstrate JS Bootstrap Button.

## WebForm1.aspx

```
« Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac10a.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css" rel="stylesheet"
integrity="sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
crossorigin="anonymous"/>
  <title></title>
  <script type="text/javascript">
    function showAlert() {
      alert("Bootstrap button Clicked");
    }
  </script>
</head>
<body>
  <form id="form1" runat="server">
    <div class="container">
      <h2>Bootstrap Button</h2>
      <br />
       <button type="button" class="btn btn-primary" onclick="showAlert()">Click me!</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"</pre>
integrity="sha384-MrcW6ZMFYlzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtlaxVXM"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
integrity="sha384-IQsoLXI5PILFhosVNubg5LC7Qb9DXqDA9i+tQ8Zj3iwWAwPtqFTxbJ8NT4GN1R8p"
crossorigin="anonymous"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js" integrity="sha384-</pre>
cVKIPhGWiC2Al4u+LWgxfKTRlcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
crossorigin="anonymous"></script>
  </form>
</body>
</html>
```

#### **OUTPUT:**



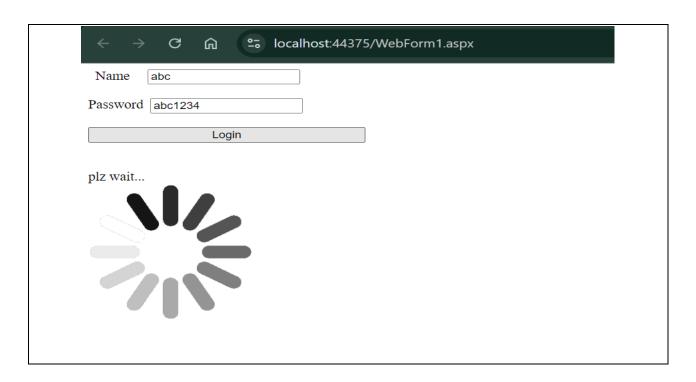
b. Create a web application to demonstrate use of various Ajax controls.

## WebForm1.aspx:

```
@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac10b.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
      <asp:ScriptManager ID="ScriptManager1" runat="server"></asp:ScriptManager>
      <asp:UpdatePanel ID="UpdatePanel1" runat="server">
         <ContentTemplate>
            
           <asp:Label ID="Label3" runat="server" Text="Name"> </asp:Label>
              
           <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
           <br />
           <br />
           Password 
           <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
           <br />
           <br />
           <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Login" Width="308px"
/>
           <br />
           <br />
           <asp:Label ID="Label1" runat="server"> </asp:Label>
        </ContentTemplate>
       </asp:UpdatePanel>
    </div>
```

```
<br />
     <asp:UpdateProgress ID="UpdateProgress1" runat="server" AssociatedUpdatePanelID="UpdatePanel1"
DisplayAfter="1500">
       <ProgressTemplate>
         plz wait...<br/>
         <asp:lmage ID="Image1" runat="server" ImageUrl="~/loading.gif" Width="182px" />
         <br />
       </ProgressTemplate>
    </asp:UpdateProgress>
    <br />
  </form>
</body>
</html>
WebFrom1.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
namespace prac10b
  public partial class WebForm1 : System.Web.UI.Page
    protected void Page_Load(object sender, EventArgs e)
    protected void Button1_Click(object sender, EventArgs e)
       System.Threading.Thread.Sleep(5000);
       Label1.Text = "Login Successfully...";
    }
```

### **OUTPUT:**





c. Create a web application to demonstrate Installation and use of NuGet package.

# **Install the NuGet Package:**

- 1. Right-click on project in Solution Explore
- 2. Select Manage NuGet Packages.
- 3. In the Browse tab, search for Newtonsoft.json
- 4. Select the Newtonsoft.json package and install
- 5. After installation , the package will be added to your project's References

### WebForm1.aspx:

```
« Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs"
Inherits="prac10c.WebForm1" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title>NuGet Application < /title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
       <h2>Simple NuGet Application</h2>
       <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Serialize Object to Json" />
       <br />
       <br />
       <asp:Label ID="Label1" runat="server"></asp:Label>
    </div>
  </form>
</body>
</html>
```

# WebFrom1.aspx.cs:

```
protected void Button1_Click(object sender, EventArgs e)
{
    SimplePerson person = new SimplePerson
    {
        Name = "Suraj",
        Age = 20
    };
    String json=JsonConvert.SerializeObject(person);
    Label1.Text = "Serialized JSON: " + json;
}
}
```

### **OUTPUT:**

