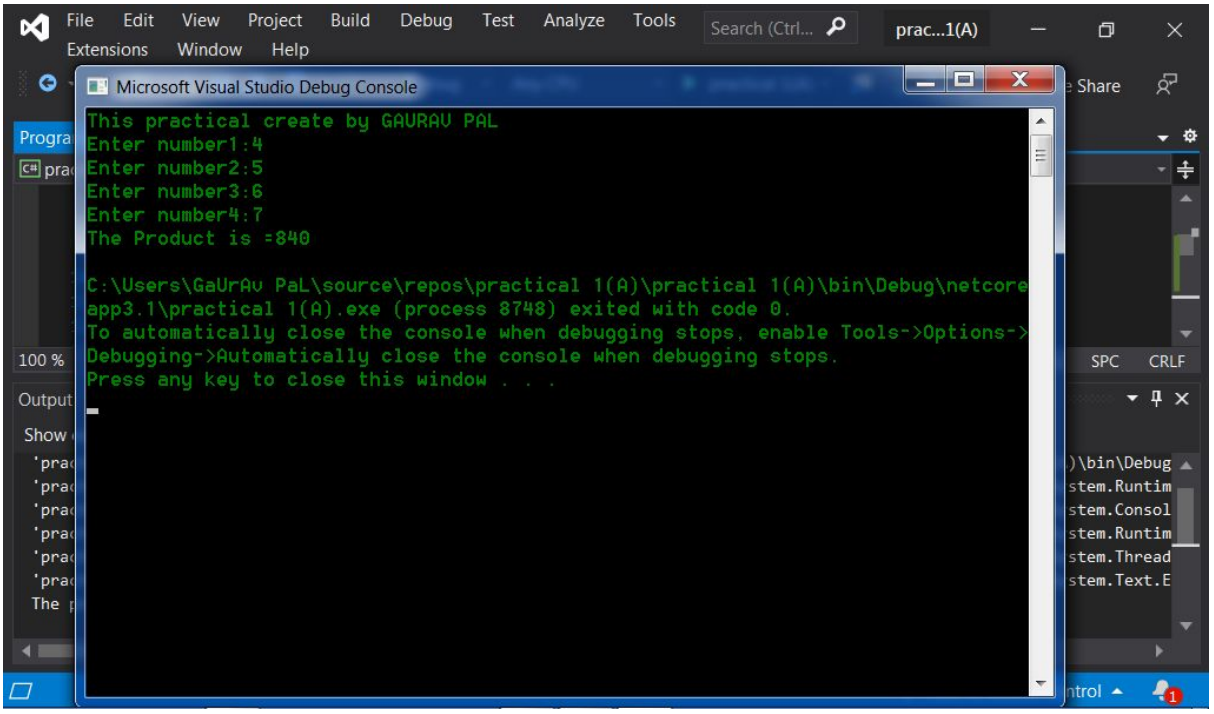
DATE: 28-08-2020
PRACTICAL NO: 1(A)
Aim: Create an application that obtains four int values from the user and display the product
CODE:

```
using System;
namespace practical_1_A_
{
        class Program
        {
                static void Main(string[] args)
                {
                        Console.WriteLine("This practical create by GAURAV PAL");
                        int num1, num2, num3, num4, prod;
                        Console.Write("Enter number1:");
                        num1 = Int32.Parse(Console.ReadLine());
                        Console.Write("Enter number2:");
                        num2 = Convert.ToInt32(Console.ReadLine());
                        Console.Write("Enter number3:");
                        num3 = Convert.ToInt32(Console.ReadLine());
                        Console.Write("Enter number4:");
                        num4 = Convert.ToInt32(Console.ReadLine());
                        prod = num1 * num2 * num3 * num4;
                        Console.WriteLine("The Product is =" + prod);
                }
        }
}
```

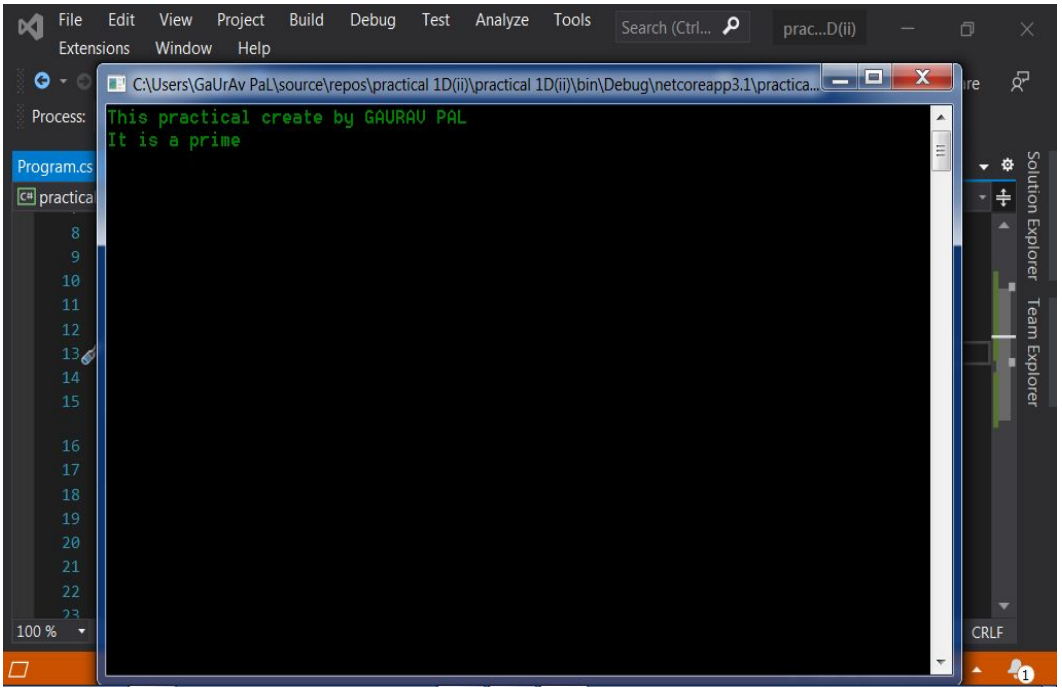
OUTPUT:



DATE: 28-08-2020
PRACTICAL NO: 1(b)
Aim: Create an application to demonstrate string operations
CODE:

```
using System;
namespace practical_1B
{
        class Program
        {
                static void Main(string[] args)
                {
                        string str1 = "gaurav pal";
                        string str2 = "gaurav pal";
                        int n;
                        string new_str;
                        Console.WriteLine("This practical create by GAURAV PAL");
                        Console.WriteLine("In Upperecase:" + str1.ToUpper());
                        Console.WriteLine("In Lowercase:" + str1.ToLower());
                        Console.WriteLine("Length:" + str1.Length);
                        n = str1.CompareTo(str2);
                        if (n == 0)
                                Console.WriteLine("Both are equal");
                        Else
                                Console.WriteLine("Both are not equal");
                        new_str = str1.Replace("gaurav pal", "rohit pal");
                        Console.WriteLine(new_str);
                }
        }
```

OUTPUT:

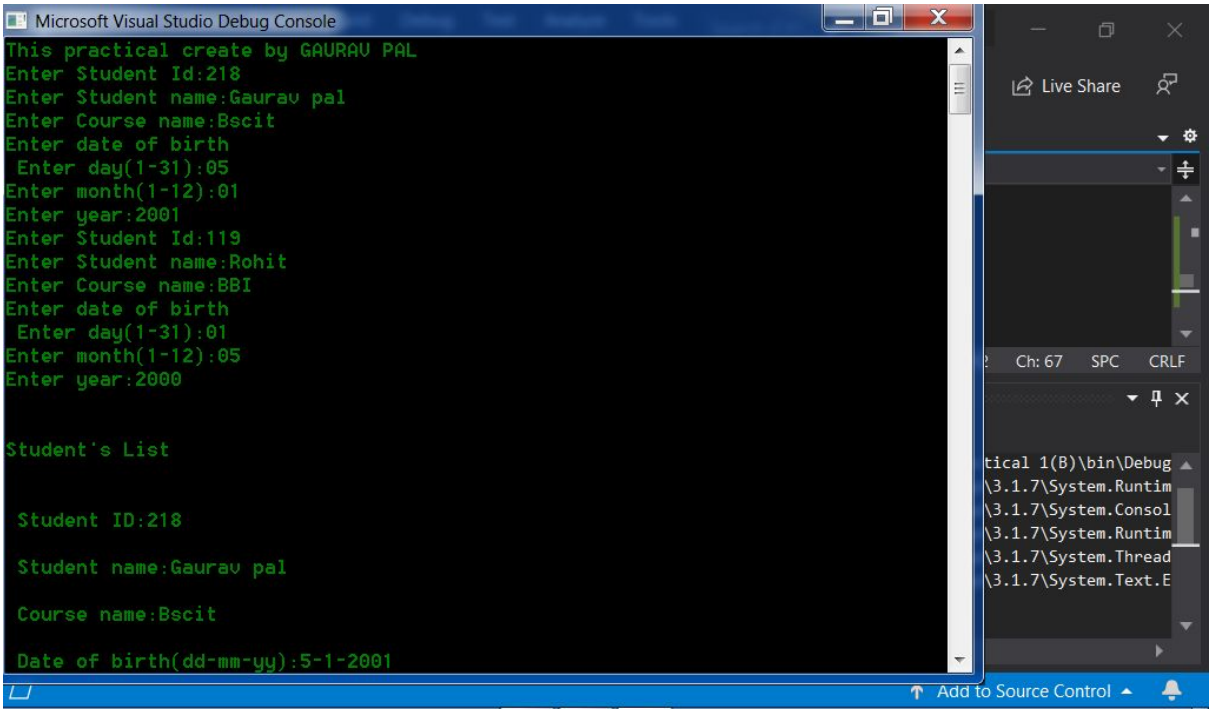


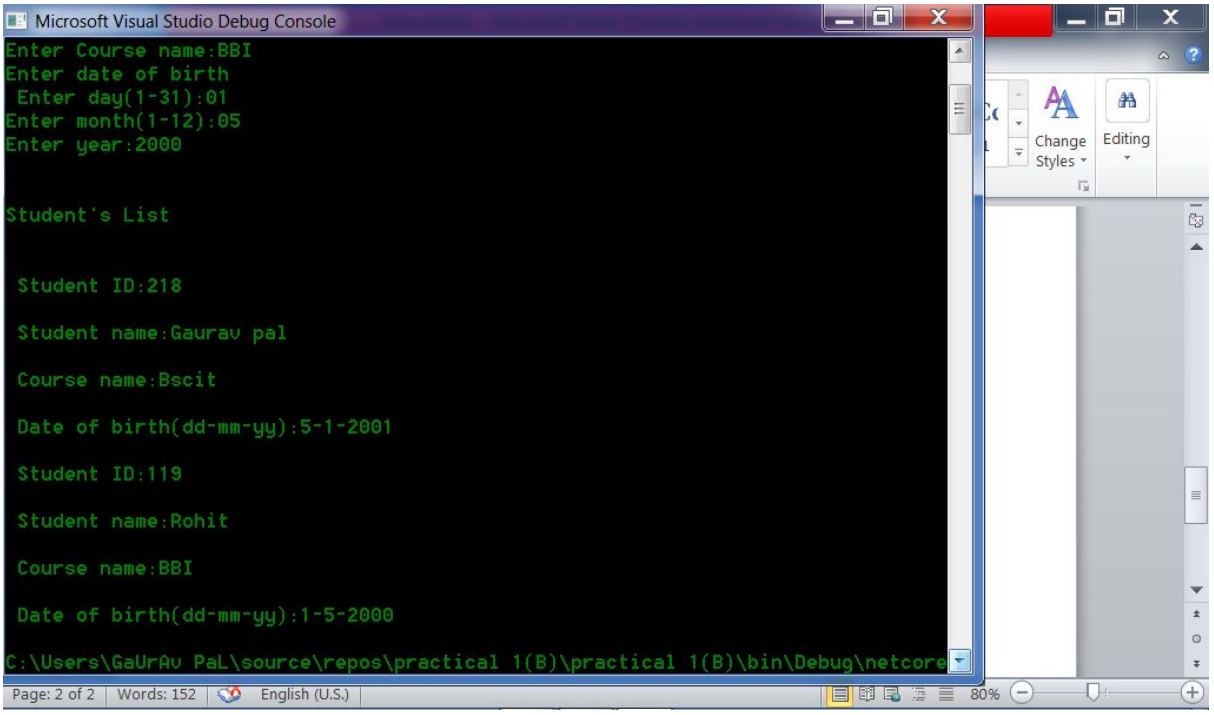
DATE: 21-08-2020
PRACTICAL NO: 1(C)
Aim: Create an application that receives the (Student id, Student name, Course name, date of birth) information from a set students. The application should also display the information of all the students once the data entered.
CODE:

```
using System;
namespace practical_1_C_
{
	class Program
	{
		struct Student
		{
			public string studid, name, cname;
			public int day, month, year;
		}
		static void Main(string[] args)
		{
			Console.WriteLine("This practical create by GAURAV PAL");
			Student[] s = new Student[2];
			int i;
			for(i=0;i<2;i++)
			{
				Console.Write("Enter Student Id:");
				s[i].studid = Console.ReadLine();
				Console.Write("Enter Student name:");
				s[i].name = Console.ReadLine();
				Console.Write("Enter Course name:");
				s[i].cname = Console.ReadLine();
				Console.Write("Enter date of birth\n Enter day(1-31):");
				s[i].day = Convert.ToInt32(Console.ReadLine());
				Console.Write("Enter month(1-12):");
				s[i].month = Convert.ToInt32(Console.ReadLine());
				Console.Write("Enter year:");
				s[i].year = Convert.ToInt32(Console.ReadLine());
			}
			Console.WriteLine("\n\nStudent's List\n ");
			for(i=0;i<2;i++)
			{
				Console.WriteLine("\n Student ID:" + s[i].studid);
				Console.WriteLine("\n Student name:" + s[i].name);
				Console.WriteLine("\n Course name:" + s[i].cname);
				Console.WriteLine("\n Date of birth(dd-mm-yy):" +
				s[i].day+"-"+s[i].month+"-"+s[i].year);
			}
		}
```

```
        }
}
```

OUTPUT:

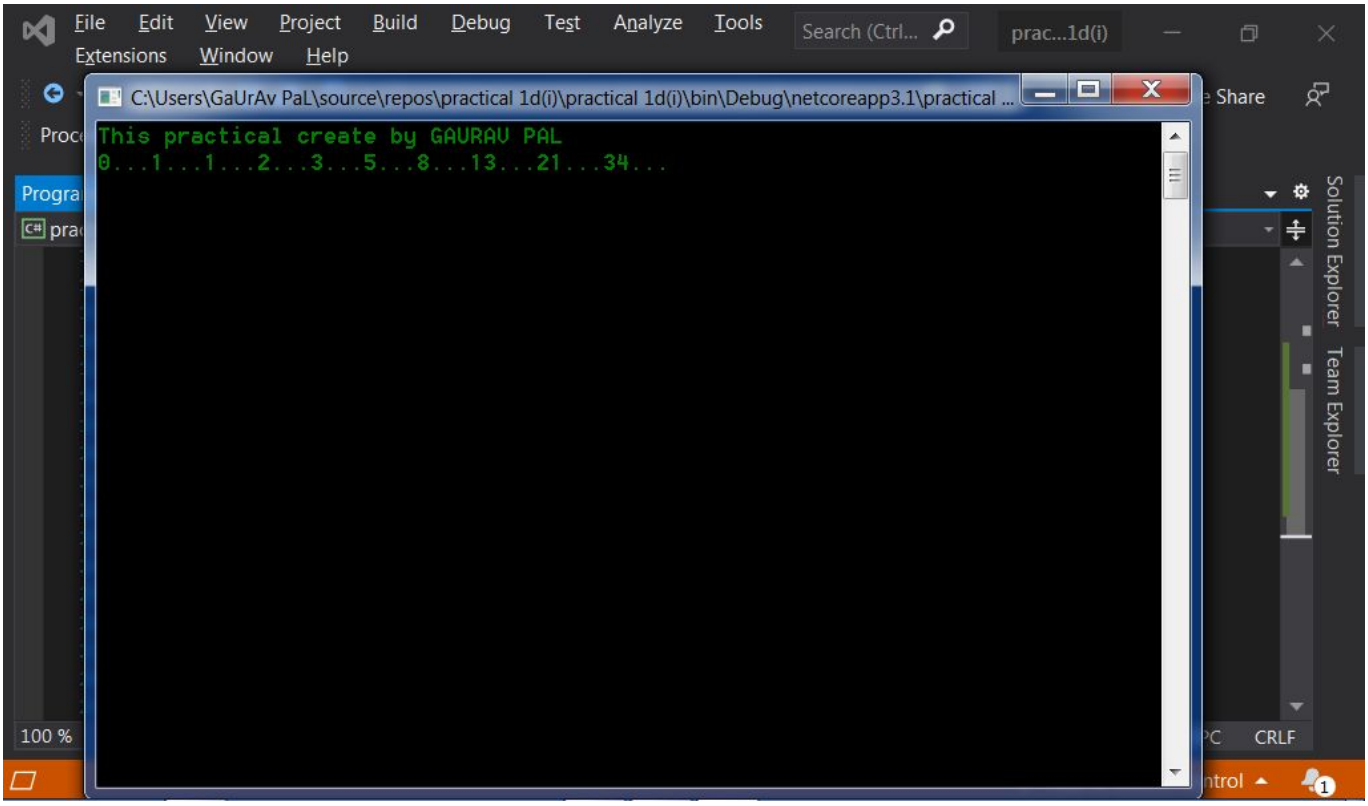

Microsoft Visual Studio Debug Console
This practical create by GAURAV PAL
Enter Student Id:218
Enter Student name:Gaurav pal
Enter Course name:Bscit
Enter date of birth
Enter day(1-31):05
Enter month(1-12):01
Enter year:2001
Enter Student Id:119
Enter Student name:Rohit
Enter Course name:BBI
Enter date of birth
Enter day(1-31):01
Enter month(1-12):05
Enter year:2000
Student's List
Student ID:218
Student name:Gaurav pal
Course name:Bscit
Date of birth(dd-mm-yy):5-1-2001
Live Share
Ch: 67
SPC
CRLF
Add to Source Control


Microsoft Visual Studio Debug Console
Enter Course name:BBI
Enter date of birth
Enter day(1-31):01
Enter month(1-12):05
Enter year:2000
Student's List
Student ID:218
Student name:Gaurav pal
Course name:Bscit
Date of birth(dd-mm-yy):5-1-2001
Student ID:119
Student name:Rohit
Course name:BBI
Date of birth(dd-mm-yy):1-5-2000
C:\Users\GaUrAv PaL\source\repos\practical 1(B)\practical 1(B)\bin\Debug\netcore
Change Styles
Editing
Page: 2 of 2
Words: 152
English (U.S.)
80%

DATE: 04-09-2020
PRACTICAL 1D(i)
AIM: Generate Fibonacci series using C#.
CODE:

```
using System;
namespace practical_1_D_i
{
	class Program
	{
		static void Main(string[] args)
		{
			Console.WriteLine("This practical create by GAURAV PAL");
			int n = 10;
			int a = 0, b = 1, c =0;
			if (n == 0)
			Console.Write("0...1");
			Else
			{
				Console.Write("0...1...");
				for(int i=2;i<n;i++)
				{
					c = a + b;
					a = b;
					b = c;
					Console.Write(c + "...");
				}
			}
			Console.ReadKey();
		}
	}
}
```

OUTPUT:

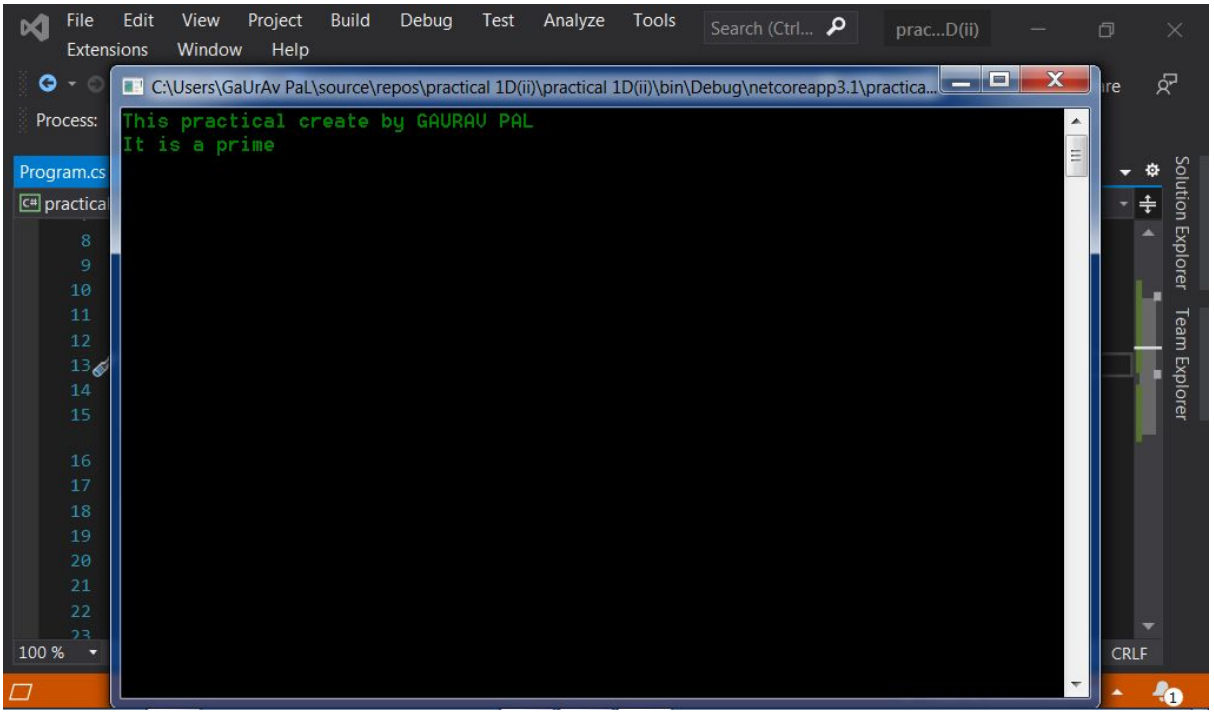


DATE: 04-09-2020
PRACTICAL 1D(ii)
AIM: Test for Prime number using c#.
CODE:

```
using System;
namespace practical_1D_ii_
{
        class Program
        {
                static bool isPrime(int n)
                {
                if (n <= 1)
                        return false;
                for (int i = 2; i < n; i++)
                        if (n % i == 0)
                                return false;
                        return true;
                }
                static void Main(string[] args)
                {
                        Console.WriteLine("This practical create by GAURAV PAL");
```

```
                    if (isPrime(11))
                        Console.Write("It is a prime");
                    Else
                        Console.WriteLine("It is not a prime");
                }
        }
}
```

OUTPUT:

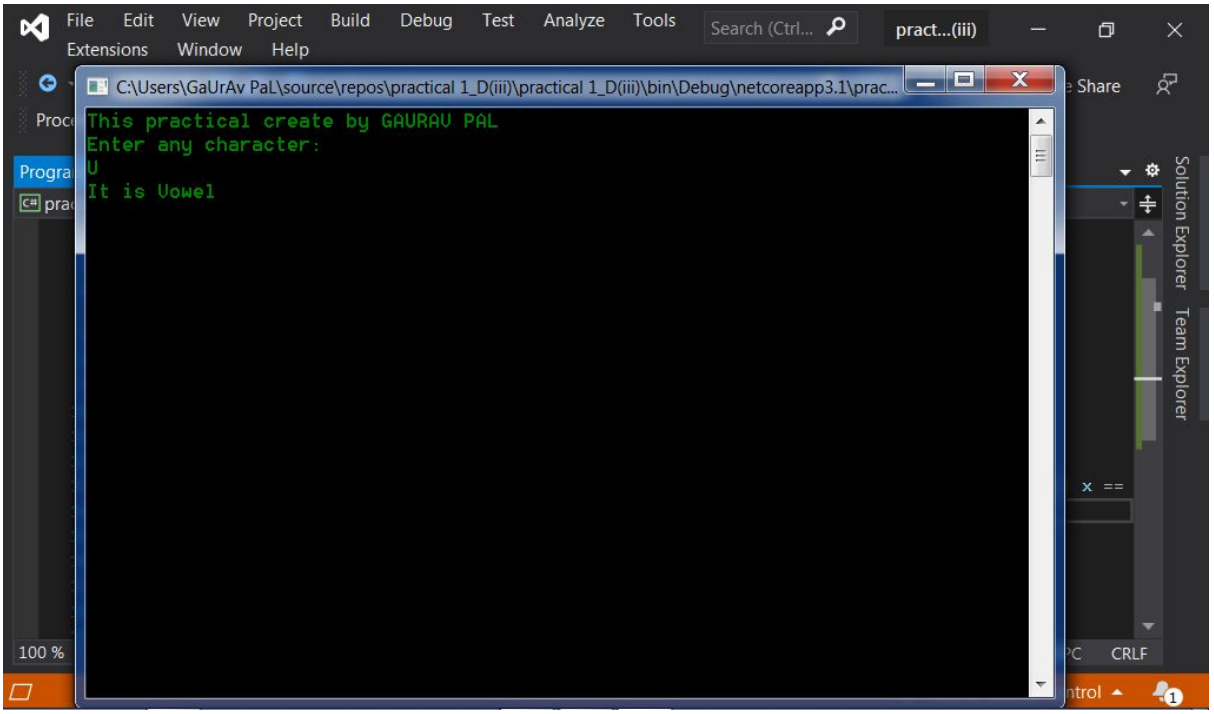


DATE: 04-09-2020
PRACTICAL 1D(iii)
AIM: Test for vowels using C#
CODE:

```
using System;
namespace practical_1_D_iii_
{
        class Program
        {
                static void Main(string[] args)
                {
                        Console.WriteLine("This practical create by GAURAV PAL");
                        char x;
                        Console.WriteLine("Enter any character:");
                        x = Convert.ToChar(Console.ReadLine());
```

```
                    if (x == 'a' || x == 'e' || x == 'i' || x == 'o' || x == 'u' || x == 'A' || x == 'E' || x
                    == 'I' || x == 'O' || x == 'U')
                            Console.WriteLine("It is Vowel:");
                    Else
                            Console.WriteLine("Consonant");
            }
        }
}
```

OUTPUT:



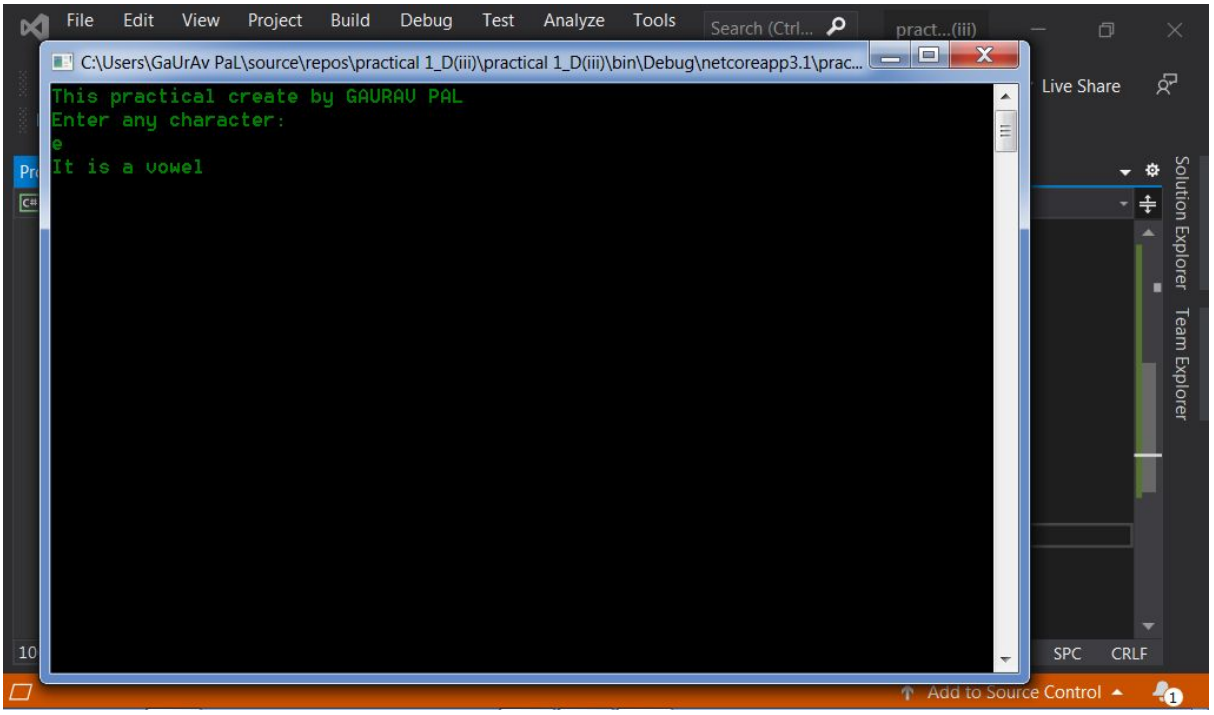
Switch case

CODE:

```
using System;
namespace practical_1_D_iii_
{
        class Program
        {
                static void Main(string[] args)
                {
                        Console.WriteLine("This practical create by GAURAV PAL");
                        char x;
                        Console.WriteLine("Enter any character:");
                        x = Convert.ToChar(Console.ReadLine());
                        switch(x)
                        {
                                case 'a':
                                case 'e':
                                case 'i':
```

```
                    case 'o':
                    case 'u':
                    case 'A':
                    case 'E':
                    case 'I':
                    case 'O':
                    case 'U':
                    Console.WriteLine("It is a vowel");
                    Break;
                Default:
                    Console.WriteLine("It is not a vowel");
                    Break;
                }
            }
        }
}
```

OUTPUT:

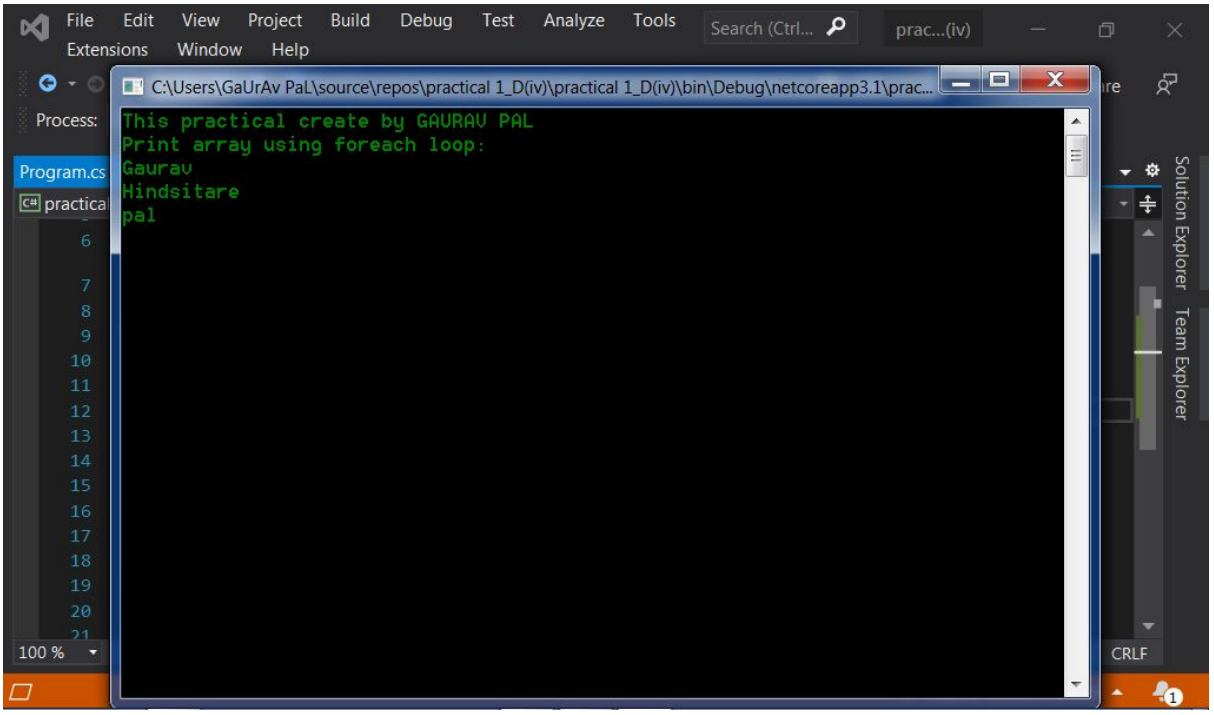


DATE: 04-09-2020
PRACTICAL 1D(iv)
AIM: Use of foreach loop with aarays Using c#.
CODE:

```
using System;
namespace practical_1_D_iv_
{
        class Program
        {
                static void Main(string[] args)
```

```
        {
            Console.WriteLine("This practical create by GAURAV PAL");
            Console.WriteLine("Print array using foreach loop:");
            String[]a_array=new String[]
            {"Gaurav", "Hindsitare","pal"};
            foreach(String items in a_array)
            {
                Console.WriteLine(items);
            }
        }
    }
}
```

OUTPUT:



DATE: 04-09-2020

PRACTICAL 1D(V)

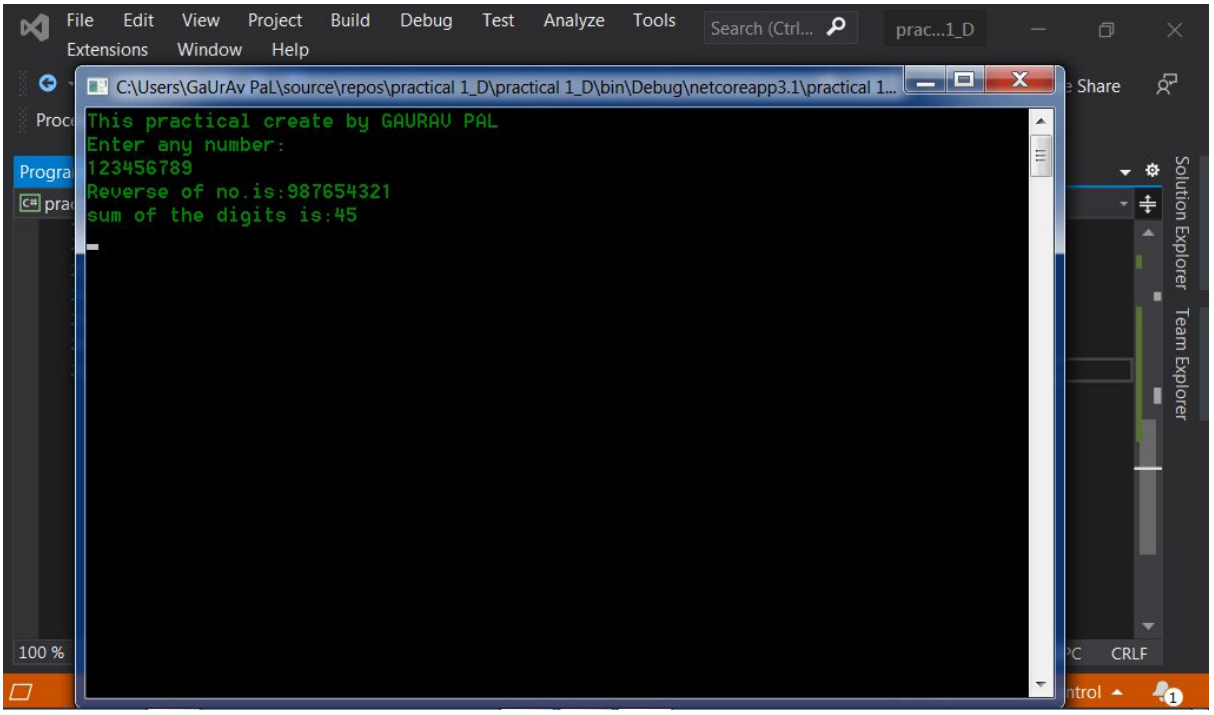
AIM: Reverse a number and find sum of digits of a number Using C#

CODE:

```
using System;
namespace practical_1_D_v
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("This practical create by GAURAV PAL");
            int num;
```

```
                int sum = 0;
                Console.WriteLine("Enter any number:");
                num = Convert.ToInt32(Console.ReadLine());
                int rev_num = 0;
                while(num>0)
                {
                        rev_num = rev_num * 10 + num % 10;
                        sum = sum + num % 10;
                        num = num / 10;
                }
                Console.WriteLine("Reverse of no.is:" + rev_num);
                Console.WriteLine("sum of the digits is:" + sum);
                Console.ReadKey();
            }
        }
}
```

OUTPUT:

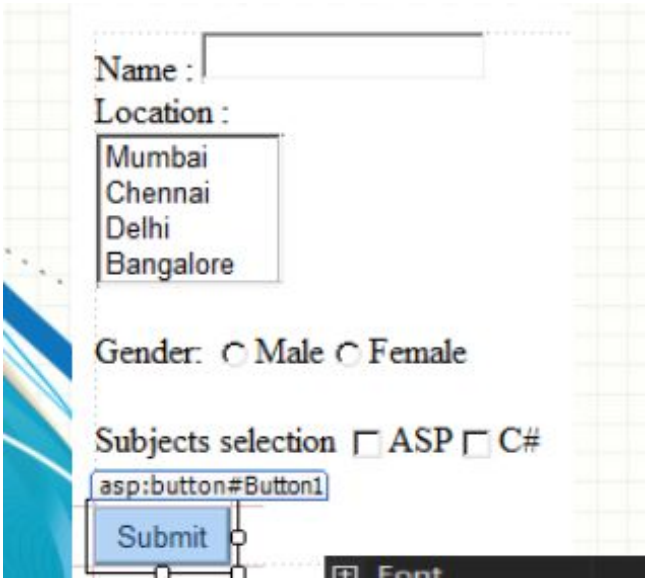


DATE: 09-10-2020
PRACTICAL: 3A
AIM: Create a simple web page with various basic server controls to demonstrate setting and use of their properties.

Sr. No	Control	Property	Value
1	Label	ID	lblName
2	Label	Text	TextEnter Your Name
3	Textbox	ID	txtName
4	Label	ID	lblLocation
5	Label	Text	Location
6	Listbox	ID	IslLocation:
7	Listbox	ITEM LIST	Mumbai,Chennai,Delhi, Bangalore
8	Label	ID	lblGender
9	Label	Text	Gender
10	Radiobutton	ID	rdMale
11	Label	Text	Male
12	Radiobutton	ID	rdFemale
13	Label	Text	Female
14	Button	ID	btnSubmit
15	Label	Text	Submit

NOTE:- DOUBLE click on submit button and the following code in the click Event protected void bh8Button1_click (object ,sender,EventArg e)

```
{
Response.Write(txtName.Text +"</br>"+ lstLocation.selectedItem.Text + " < /br>");
txtName.visible=false;
lstLocation.visible=false;
chkC.visible=false;
chkASP.visible=false;
rdmale.visible=false;
rdFemale.visible=false;
btnSubmit.visible=false;
}
```



Date: 16/10/2020

Practical 3(b)

Aim: Demonstrate the use of Calendar control to perform following operations.

a) Display messages in a calendar control

b) Display vacation in a calendar control

c) Selected day in a calendar control using style

d) Difference between two calendar dates

Sr. No	Control	Property	Value
1	Calendar	ID	Calendar1
2	Calendar	BackColor	#FFFFCC
3	Calendar	DayNameFormat	Shortest
4	Calendar	NextPrevFormat	ShortMonth
5	Calendar	SelectedDayStyle • BackColor	Blue
6	Calendar	TodayDayStyle • ForeColor	White
7	Button	ID	btnResult
8	Button	Text	Submit
9	Button	ID	btnReset
10	Button	Text	Reset

11	Label	ID	Label1
12	Label	ID	Label2
13	Label	ID	Label3
14	Label	ID	Label4
15	Label	ID	Label5

Code:

Calendar_Control.aspx.cs

```
Protected void Calendar1_DayRender(object sender,
System.Web.UI.WebControls.DayRenderEventArgs e)
{
if(e.Day.Date.Day == 5 && e.Day.Date.Month == 9)
{
e. Cell.BackColor = System.Drawing.Color.Yellow;
Label lbl = new Label();
lbl.Text = "<br>Teachers Day! ";
e.Cell.Controls.Add(lbl);
Image g1 = new image();
g1.ImageUrl = "Untitled.jpg";
g1.Height = 20;
g1.Width = 20;
e.Cell.Controls.Add(g1);
}
if(e.Day.Date.Day == 17 && e.Day.Date.Month == 10)
{
Calendar1.SelectedDate = new DateTime(2020, 10, 16);
Calendar1.SelectedDates.SelectRange(Calendar1.SelectedDate,
Calendar1.SelectedDate.AddDays(9));
Label lbl1 = new Label();
lbl1.Text = "<br> Navratri! ";
e.Cell.Controls.Add(lbl1);
protected void btnReset_Click(object sender, EventArgs e)
{
Label1.Text = "";
Label2.Text = "";
Label3.Text = "";
Label4.Text = "";
Label5.Text = "";
```

```
Calendar1.SelectedDates.Clear();
}
protected void btnResult_Click1(object sender, EventArgs e)
{
Calendar1.Caption = "TechnoLytics Learning ";
Label2.Text = "Today's Date:"+Calendar1.TodaysDate.ToShortDateString();
Label3.Text = " Navarro Festival Starts on :10-17-2020";
TimeSpan d = new DateTime(2020, 10, 17)-DateTime.Now;
Label4.Text="Days Remaining For Navratri Festival :"+d.Days.ToString();
TimeSpan d1 = new DateTime(2020, 12, 31)-DateTime.Now;
Label5.Text = "Days Remaining for New Year:" + d1.Days.ToString();
}
```


My Drive - Google
7B. Use of Calenda
TYBSCIT
localhost:49970/Calendar_control.aspx
TechnoLytics Learning
Sep
October 2020
Nov
Su Mo Tu We Th Fr Sa
27 28 29 30 1 2 3
4 5 6 7 8 9 10
11 12 13 14 15 16 17 Navratri
18 19 20 21 22 23 24
25 26 27 28 29 30 31
1 2 3 4 5 6 7
Submit
Reset
Your Selected Date:10/1/2020 12:00:00 AM
Today's Date :10/16/2020
Navratri Festival Starts on : 10-17-2020
Days Remaining For Navratri Festival :0
Days Remaining for New Year:75

Date: 23/10/2020

Practical 3(c) Part 1

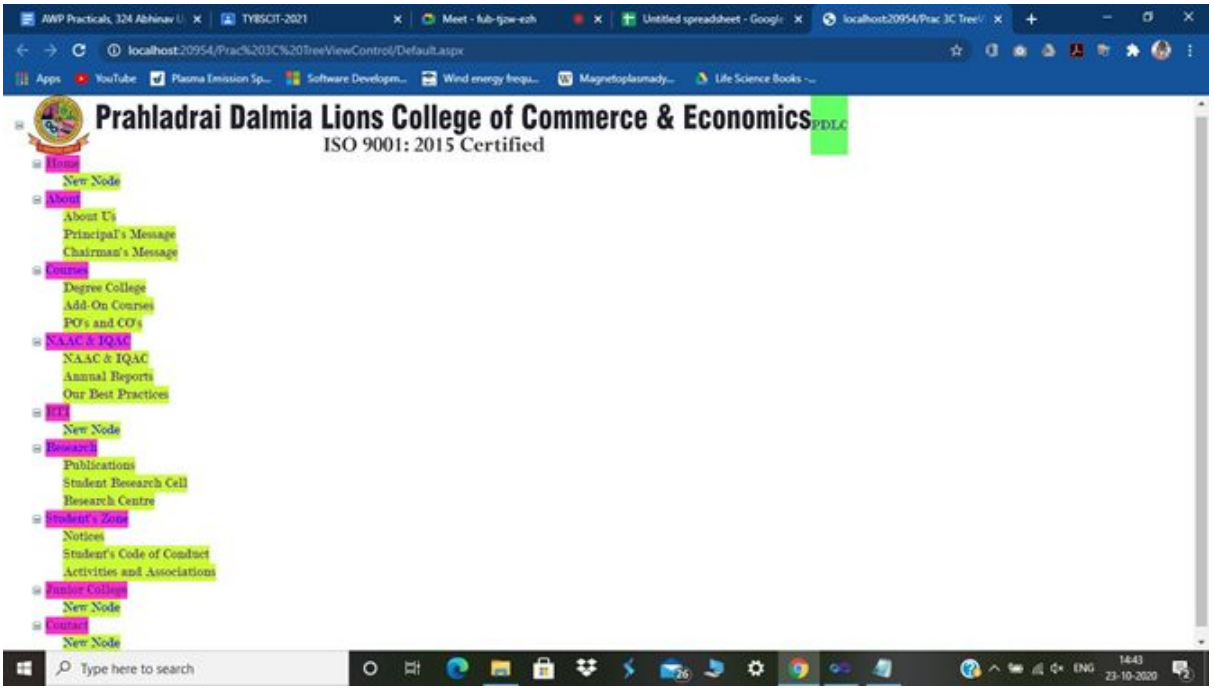
Aim: Create a TreeView control to naivgate the website of PDLC. The maximum nodes should be not more than 3. Also format the TreeView control.

Property Window:

Sr. No	Control	Property	Value
1	TreeView	ID	TreeView1
2	TreeView	TreeNode NavigateUrl	https://www.dalmialionscollege.ac.in/
3	TreeView	TreeNode NavigateUr	URL Link

4	TreeView	TreeNode NavigateUr	URL Link
5	TreeView	TreeNode NavigateUr	URL Link
6	TreeView	TreeNode NavigateUr	URL Link
7	TreeView	TreeNode Text	Home
8	TreeView	HoverNodeStyle	#FF523B
9	TreeView	LeafNodeStyle	#CCFF33
10	TreeView	ParentNodeStyle	#FF33CC
11	TreeView	RootNodeStyle	#66FF66
12	TreeView	TreeNode ImageUrl	URL Link

Output:



Part 2: Bind asp.net treeview control with xml file.

Steps:

1. Add an xml file and name it XmlFile.xml

2. Drag and drop an xml DataSource control on the webform. SetDataFile attribute should point to the xml file that we added in step 1.

3. Drag and drop a treeview control and set DataSourceID attribute to the xml DataSource control we created in step 2. Also set DataBindings

Property Window:

Sr. No.	Control	Property	Value
1	XmlDataSource	ID	XmlDataSource1
2	XmlDataSource	DataFile	~/XMLFile.xml
3	TreeView	ID	TreeView1
4	TreeView	DataSourceID	XmlDataSource1
5	TreeNodeBinding	DataMember	TreeViewItem
6	TreeNodeBinding	NavigateUrlField	Navigator1

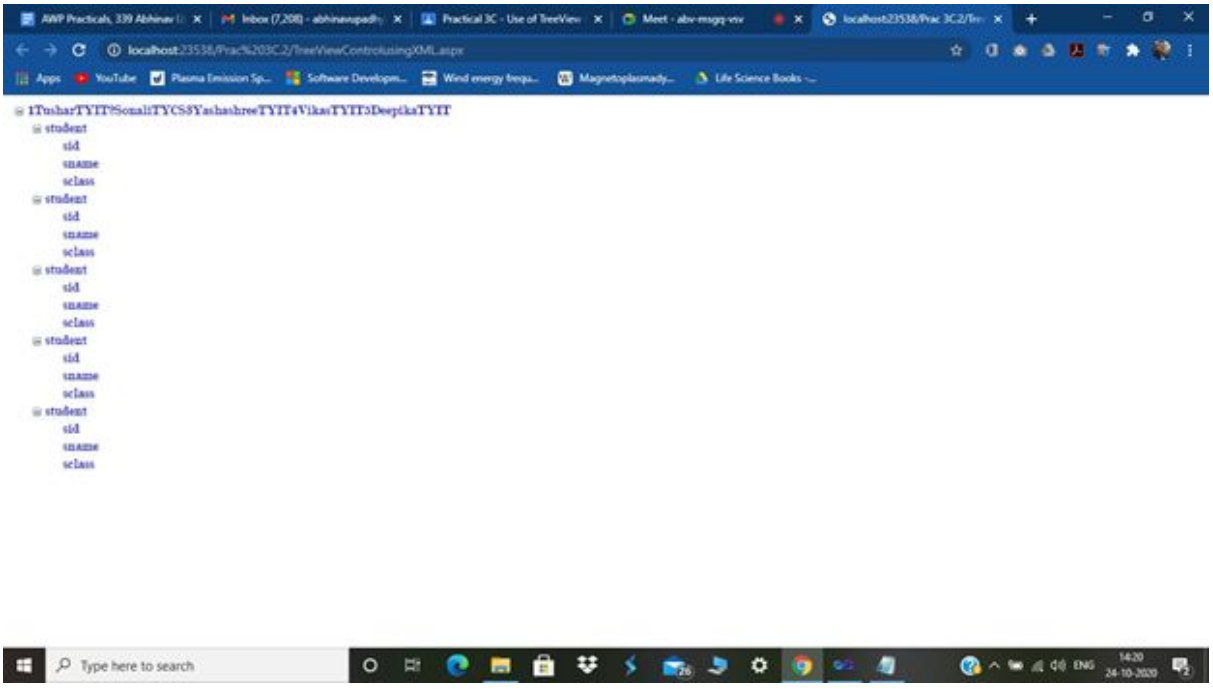
Code (XML File):

```
<?xml version="1.0" encoding="utf-8" ?>
<studentdetail>
  <student>
    <sid>1</sid>
```

```
  <sname>Tushar</sname>
  <sclass>TYIT</sclass>
</student>
<student>
  <sid>2</sid>
  <sname>Sonali</sname>
  <sclass>TYCS</sclass>
</student>
<student>
        <sid>3</sid>
  <sname>Yashashree</sname>
  <sclass>TYIT</sclass>
</student>
<student>
  <sid>4</sid>
  <sname>Vikas</sname>
  <sclass>TYIT</sclass>
</student>
<student>
  <sid>5</sid>
  <sname>Deepika</sname>
  <sclass>TYIT</sclass>
</student>
```

</studentdetail>

Output:



Date:27-10-2020

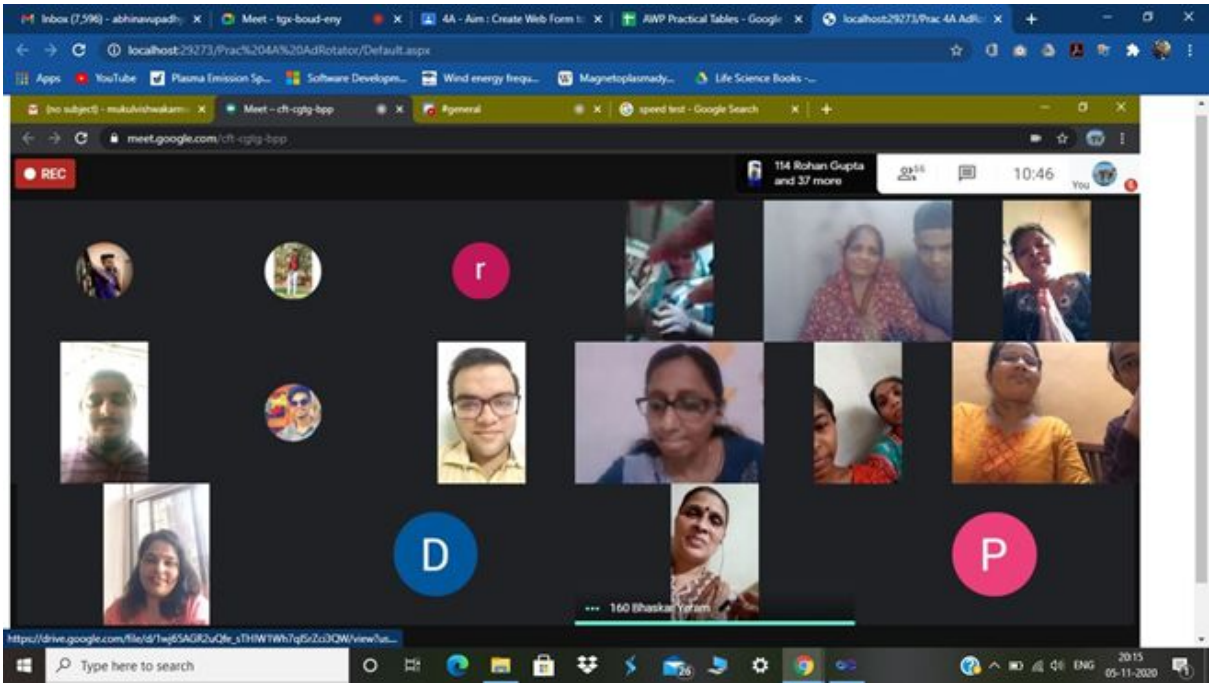
Practical no. 4(A)

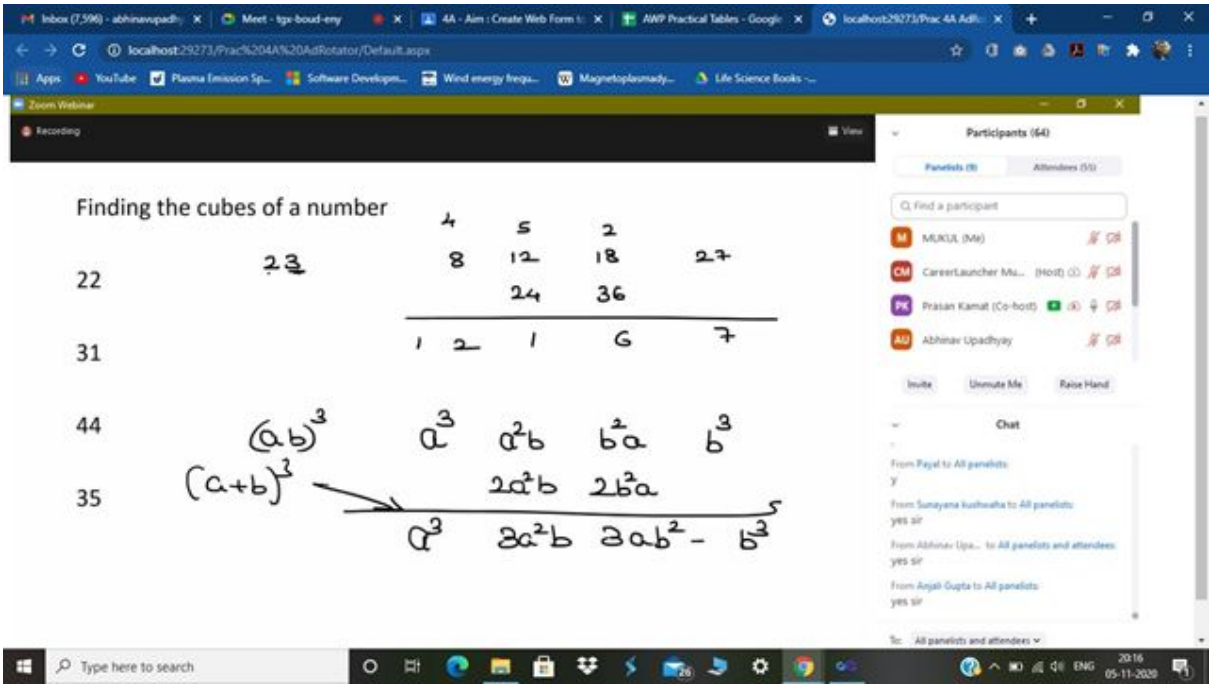
Aim: Create Web Form to demonstrate use of AdRotator Control.

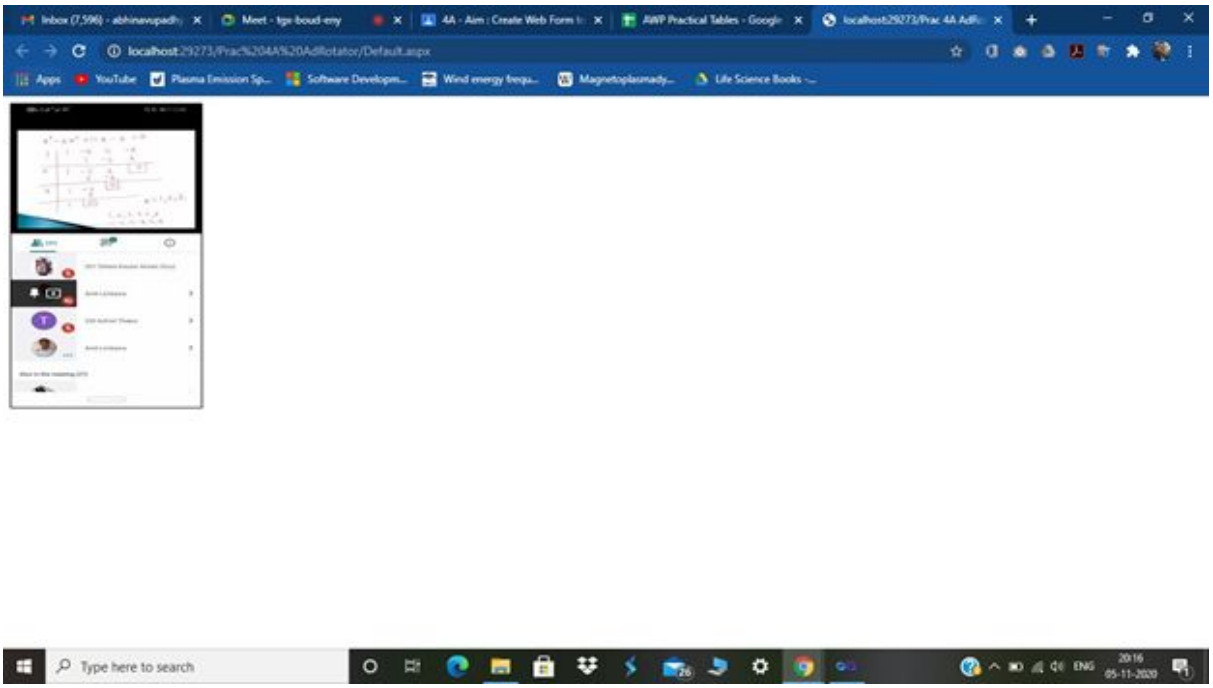
Property Window:

Sr. No.	Control	Property	Value
1	AdRotator	ID	AdRotator1
2	AdRotator	DataSourceID	XmlDataSource1
3	XmlDataSource	ID	XmlDataSource1
4	XmlDataSource	DataFile	~/XMLFile.xml

Output:


REC
114 Rohan Gupta and 37 more
10:46
You
r
D
P
160 Bhaskar Yaram
Type here to search
ENG
20:15
05-11-2020


Finding the cubes of a number
22
31
44
35
Participants (64)
Chat
Type here to search
ENG
20:16
05-11-2020



Practical no. 4(B)

Aim: Create Web Applic to demonstrate use of AdRotator Control.

Property Window:

Sr. No.	Control	Property	Value
1	Image	ID	Image1
2	Image	Height	100px
3	Image	Width	400px
4	Image	ImageURL	Header
5	Menu	ID	Menu1
6	MenuItem	NavigateURL	FY Orientation.aspx
7	MenuItem	NavigateURL	Speed Mathematics.aspx
8	MenuItem	NavigateURL	Bridge Course.aspx
9	ContentPlaceHolder	ID	ContentPlaceHolder2
10	Image	ID	Image2
11	Image	Height	60px
12	Image	Width	400px
13	Image	ImageURL	Footer

Code:

Bridge Course.aspx

```
<asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder2" Runat="Server">

    <asp:Image ID="Image3" runat="server" Height="400px"

        ImageUrl="~/Bridge Course.jpg" Width="400px" />

</asp:Content>
```

Speed Mathematics.aspx

```
<asp:Content   ID="Content3"   ContentPlaceHolderID="ContentPlaceHolder2"
Runat="Server">

    <asp:Image ID="Image3" runat="server" Height="400px"

        ImageUrl="~/Speed Mathemarics.jpg" Width="400px" />

</asp:Content>
```

FY Orientation.aspx

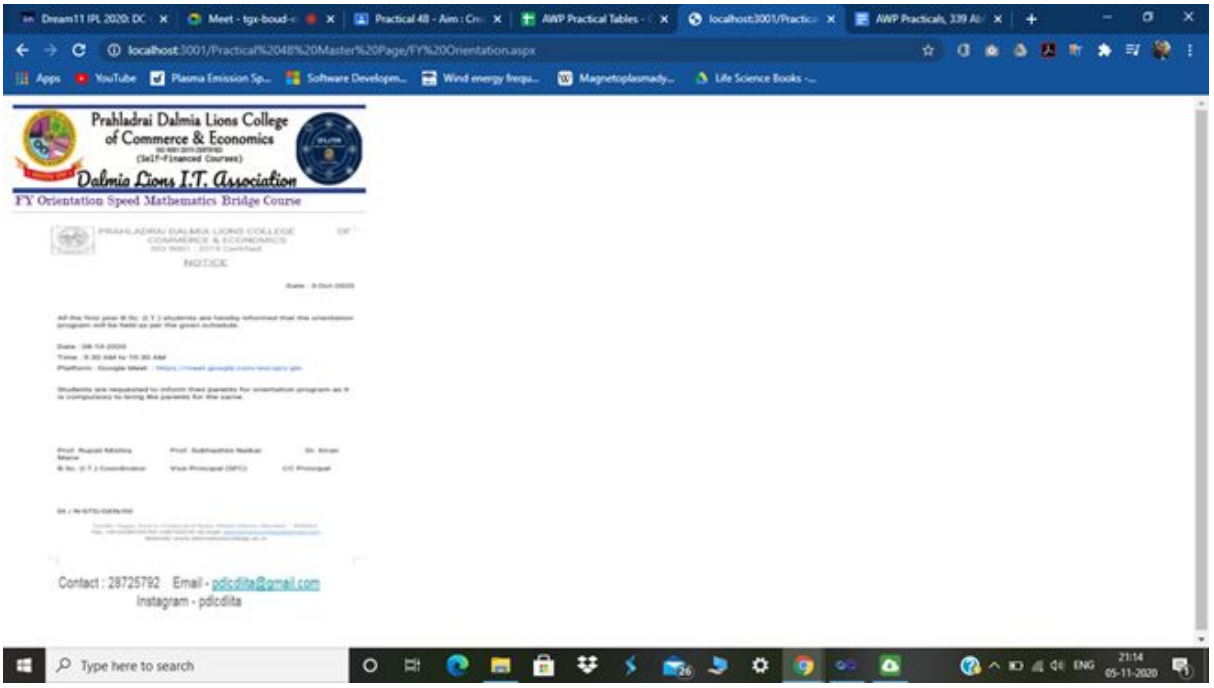
```
<asp:Content   ID="Content3"   ContentPlaceHolderID="ContentPlaceHolder2"
Runat="Server">

    <asp:Image ID="Image3" runat="server" Height="400px"

    ImageUrl="~/FY Orientation.jpg" Width="400px" />

</asp:Content>
```

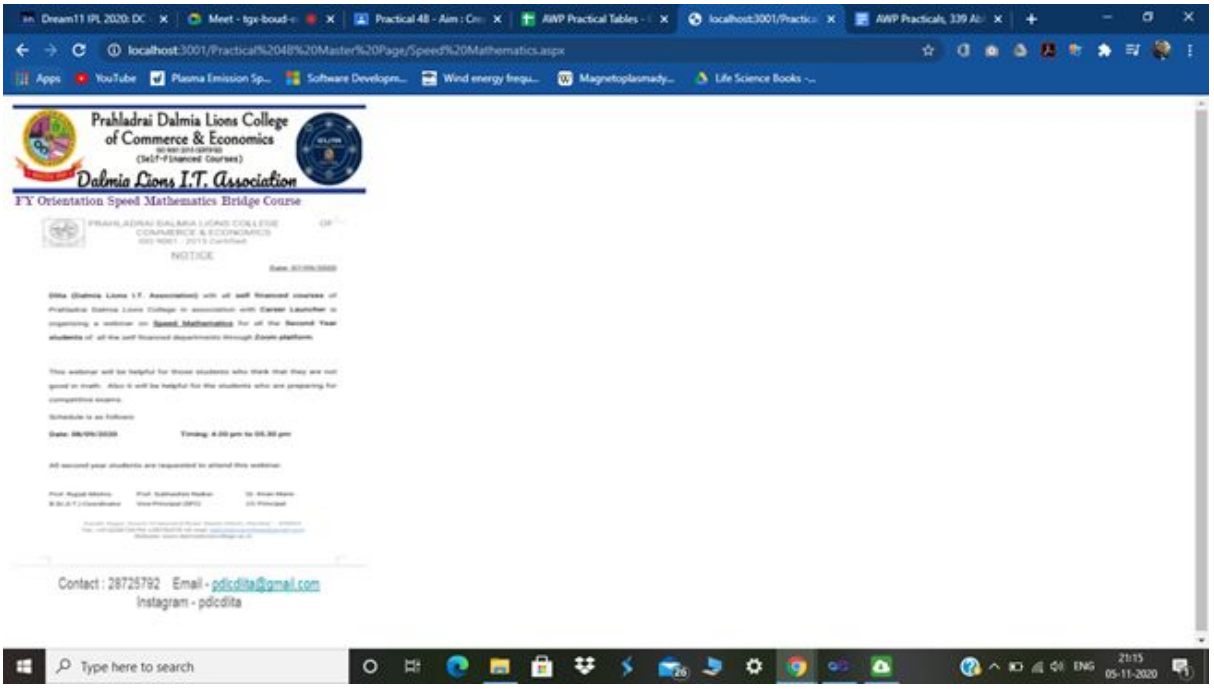
MasterPage.master

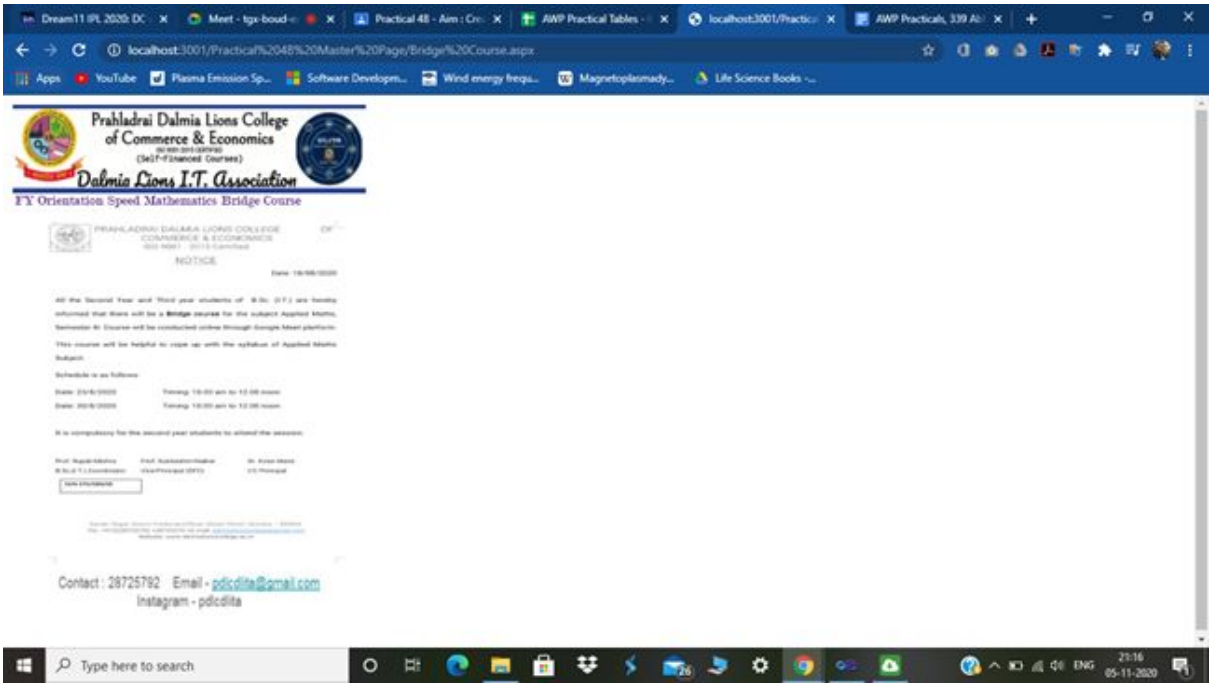
```
<asp:Image ID="Image1" runat="server" Height="100px"

                ImageUrl="~/IMG_20201103_132919.jpg" Width="400px" />

            <asp:Menu ID="Menu1" runat="server" Orientation="Horizontal">

                <Items>

                    <asp:MenuItem NavigateUrl="~/FY Orientation.aspx" Text="FY
Orientation"

                        Value="FY Orientation"></asp:MenuItem>
```

```
                    <asp:MenuItem NavigateUrl="~/Speed Mathematics.aspx"
Text="Speed Mathematics"

                    Value="Speed Mathematics"></asp:MenuItem>

                        <asp:MenuItem NavigateUrl="~/Bridge Course.aspx"
Text="Bridge Course"

                    Value="Bridge Course"></asp:MenuItem>

                </Items>

            </asp:Menu>

<asp:ContentPlaceHolder ID="ContentPlaceHolder2" runat="server">

            </asp:ContentPlaceHolder>

<asp:Image ID="Image2" runat="server" Height="60px"

                ImageUrl="~/dilta_footer.JPG" Width="400px" />
```

Output:


Prahladrai Dalmia Lions College of Commerce & Economics
(Self-Financed Courses)
Dalmia Lions I.T. Association
FY Orientation Speed Mathematics Bridge Course
NOTICE
Contact : 28725792 Email - pdlcdita@gmail.com
Instagram - pdlcdita
Type here to search


Prahladrai Dalmia Lions College of Commerce & Economics
(Self-Financed Courses)
Dalmia Lions I.T. Association
FY Orientation Speed Mathematics Bridge Course
NOTICE
Contact : 28725792 Email - pdlcdita@gmail.com
Instagram - pdlcdita
Type here to search


Prahladrai Dalmia Lions College of Commerce & Economics
(Self-Financed Courses)
Dalmia Lions I.T. Association
FY Orientation Speed Mathematics Bridge Course
NOTICE
Contact : 28725792 Email - pdlcdlita@gmail.com
Instagram - pdlcdlita
Type here to search

Practical no. 4(C)

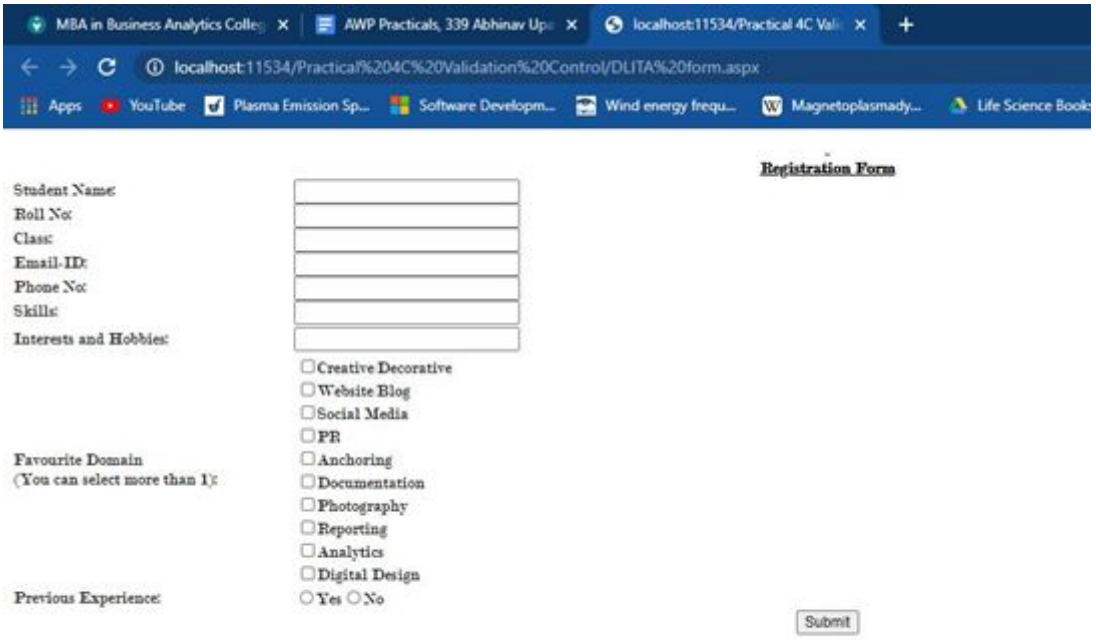
Aim : Create a Registration form to demonstrate use of various Validation controls.

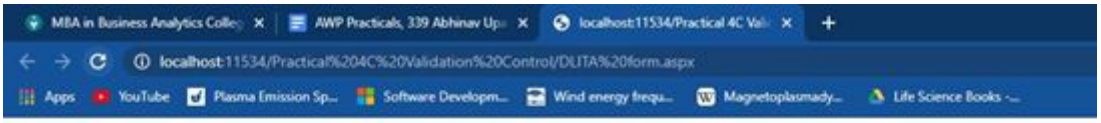
Property Window:

Sr. No.	Control	Property	Value
1	RequiredFieldValidator	ID	RequiredFieldValidator2
2	RequiredFieldValidator	ControlToValidate	TextBox1
3	RequiredFieldValidator	ErrorMessage	Please Enter Your Name
4	RequiredFieldValidator	Display	Dynamic
5	CompareValidator	ID	CompareValidator1
6	CompareValidator	ControlToValidate	TextBox2
7	CompareValidator	ErrorMessage	Please Enter Valid Roll No.
8	CompareValidator	Operator	LessThanEqual
9	RegularExpressionValidator	ID	RegularExpressionValidator1
10	RegularExpressionValidator	ControlToValidate	TextBox4
11	RegularExpressionValidator	ErrorMessage	Please Enter Valid Email-ID
12	RegularExpressionValidator	ValidationExpression	Expression
13	RangeValidator	ID	RangeValidator2
14	RangeValidator	ControlToValidate	TextBox5
15	RangeValidator	ErrorMessage	Enter Your 10 Digit Phone Number

16	RangeValidator	Type	Integer
17	ValidationSummary	ID	ValidationSummary1

Output:





Registration Form

Student Name:		Please Enter Your Name
Roll No:	1001	Please Enter Valid Roll No.
Class:		Please Enter Your Class
Email-ID:	bscitmailbox.com	Please Enter Valid Email-ID
Phone No:	02228896542	Enter Your 10 Digit Phone Number
Skills:		Please Enter Your Skills
Interests and Hobbies:		Specify Your Hobbies and Interests
Favourite Domain (You can select more than 1):	☐ Creative Decorative ☐ Website Blog ☐ Social Media ☐ PR ☐ Anchoring ☐ Documentation ☐ Photography ☐ Reporting ☐ Analytics ☐ Digital Design	
Previous Experience:	○ Yes ○ No	Select Yes or No

Submit

-
-
-
-
-
-
-
-

Please Enter Your Name
Please Enter Valid Roll No.
Please Enter Your Class
Please Enter Valid Email-ID
Enter Your 10 Digit Phone Number
Please Enter Your Skills
Specify Your Hobbies and Interests
Select Yes or No

DATE: 28/8/2020
PRACTICAL NO : 1-A

AIM : Create an application that obtains four int values from the user and displays the product.

CODE :

```
using System;
class program
{   static void Main()
   {   int a,b,c,d,product;
       Console.WriteLine("this code is performed by Bhowmick Joshi
305");
       Console.WriteLine("Enter four numbers to multiply : ");
       Console.Write("Enter 1st value : ");
       a=Convert.ToInt32(Console.ReadLine());
       Console.Write("Enter 2nd value : ");
       b=Convert.ToInt32(Console.ReadLine());
       Console.Write("Enter 3rd value : ");
       c=Convert.ToInt32(Console.ReadLine());
       Console.Write("Enter 4th value : ");
       d=Convert.ToInt32(Console.ReadLine());
       product=a*b*c*d;
       Console.WriteLine("Product of the values is : "+product);
  }
}
```

OUTPUT :

DATE: 28/8/2020
PRACTICAL NO : 1-B

AIM : Create an application to demonstrate string operations.

CODE :

```
using System;
namespace consoleapplication
{       class Test
        {       public static void Main(string[] args)
                {       string str1="Prahladrai";
                        string str2="Prahladrai";
                        int n;
                         string newstr;
                         Console.WriteLine("this code is performed by
Bhowmick Joshi 305");
                         Console.WriteLine("In Uppercase :
"+str1.ToUpper());
                         Console.WriteLine("In Lowercase :
"+str1.ToLower());
                        Console.WriteLine("Length : "+str1.Length);
                        n=str1.CompareTo(str2);
                        if(n==0)
                                Console.WriteLine("Both are equal");
                        else
                                Console.WriteLine("Both are not equal");
                        newstr=str2.Replace("Prahladrai","Dalmia");
Console.WriteLine(newstr);
}
}
}
```

OUTPUT :

DATE: 28/8/2020
PRACTICAL NO : 1-C

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

CODE :

```
using System;
namespace consoleapplication
{       class program
        {       struct student
                {       public string stdid,name,cname;
                        public int day,month,year;
                }
                static void Main(string[] args)
                {       student[] s=new student[2];
                        int i;
                        Console.WriteLine("this is performed by Bhowmick
Joshi 305");
                        for(i=0;i<2;i++)
                        {       Console.Write("Enter Student ID : ");
                                s[i].stdid=Console.ReadLine();
                                Console.Write("Enter Student name: ");
                                s[i].name=Console.ReadLine();
                                Console.Write("Enter course name : ");
                                 s[i].cname=Console.ReadLine();
                                Console.Write("Enter Date of birth \n Enter
day : ");

s[i].day=Convert.ToInt32(Console.ReadLine());
                                Console.Write("Enter Month : ");
```

```
s[i].month=Convert.ToInt32(Console.ReadLine());
                        Console.Write("Enter year : ");

s[i].year=Convert.ToInt32(Console.ReadLine());
                    }
        Console.WriteLine("Students list");
                    for(i=0;i<2;i++)
        {    Console.WriteLine("Student ID : "+s[i].stdid);
                        Console.WriteLine("Student Name :
"+s[i].name);
                Console.WriteLine("Student Course name :
"+s[i].cname);
                        Console.WriteLine("Student Date of birth :
"+s[i].day+" - "+s[i].month+" - "+s[i].year);
        }
            }
      }
}
```

OUTPUT :

DATE: 4/9/2020
PRACTICAL NO : 1-D(i)

AIM: Create an application to demonstrate following operations
i. Generate Fibonacci series. ii. Test for prime numbers.
iii. Test for vowels. iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

CODE : i. Generate Fibonacci series.

```
using System;
namespace fib
{    class program
   {   static void Main()
       {   Console.WriteLine("this code is performed by Bhowmick
Joshi 305");
          Console.WriteLine("The Fibonacci series is as followed.");
          int n=12;
          int a=0,b=1,c=0;
          if(n==0)
             Console.Write("0...");
          else
          {   Console.Write("0...1...");
             for(int i=2;i<n;i++)
             {   c=a+b;
                a=b;
                b=c;
                Console.Write(c+"...");
             }
          }
          Console.ReadKey();
       }
```

```
    }
}
```

OUTPUT :

DATE: 4/9/2020
PRACTICAL NO : 1-D(ii)

AIM: Create an application to demonstrate following operations
i. Generate Fibonacci series. ii. Test for prime numbers.
iii. Test for vowels. iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

CODE : ii. Test for prime numbers.

```
using System;
namespace prime
{   class HelloWorld
   {   static void Main()
       {
          Console.WriteLine("This code is performed by Bhowmick
Joshi 305");
          int i,n,flag=0;
          Console.Write("Enter any number : ");
          n=Convert.ToInt32(Console.ReadLine());
          for (i = 2; i <= n / 2; ++i)
          {   if (n % i == 0)
             {   flag = 1;
                break;
             }
          }

          if (n == 1)
          {   Console.WriteLine("1 is neither prime nor composite.");
          }
          else
          {   if (flag == 0)
                Console.WriteLine(n+" is a prime number.");
```

```
            else
                Console.WriteLine(n+" is not a prime number.");
        }
    }
  }
}
```

OUTPUT :

DATE: 4/9/2020
PRACTICAL NO : 1-D(iii)

AIM: Create an application to demonstrate following operations
i. Generate Fibonacci series. ii. Test for prime numbers.
iii. Test for vowels. iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

CODE : iii. Test for vowels.(Using if)

```
using System;
class HelloWorld
{   static void Main()
   {   Console.WriteLine("This is performed by Bhowmick Joshi
305");
       char x;
       Console.Write("Enter any character : ");
       x=Convert.ToChar(Console.ReadLine());
       if(x=='a' || x=='e' || x=='i' || x=='o' || x=='u' || x=='A' || x=='E' ||
x=='I' || x=='O' || x=='U')
          Console.WriteLine(x+" is a Vowel");
       else
          Console.WriteLine(x+" is a Consonant");
   }
}
```

OUTPUT :

Code : (Using Switch case)

```
using System;
class HelloWorld
{   static void Main()
```

```
   {   Console.WriteLine("This is performed by Bhowmick Joshi
305");
       char x;
       Console.Write("Enter any character : ");
       x=Convert.ToChar(Console.ReadLine());
       switch(x)
       {   case 'a':
          case 'e':
          case 'i':
          case 'o':
          case 'u':
          case 'A':
          case 'E':
          case 'I':
          case 'O':
          case 'U':
             Console.WriteLine(x+" is a Vowel");
             break;
          default:
             Console.WriteLine(x+" is a Consonant");
             break;
       }
   }
}
```

OUTPUT :

DATE: 4/9/2020
PRACTICAL NO : 1-D(iv)

AIM: Create an application to demonstrate following operations
i. Generate Fibonacci series. ii. Test for prime numbers.
iii. Test for vowels. iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

CODE : iv. Use of foreach loop with arrays

```
using System;
class HelloWorld
{   static void Main()
   {   Console.WriteLine("This is performed by Bhowmick Joshi
305");
       Console.WriteLine("Print array using foreach loop");
       string[] arr=new string[]
{"Prahladrai","Dalmia","Lions","College","Of","Commerce","And","
Economics"};
       foreach(string items in arr)
       {   Console.Write(items+" ");
       }
   }
}
```

OUTPUT :

DATE: 4/9/2020
PRACTICAL NO : 1-D(v)

AIM: Create an application to demonstrate following operations
i. Generate Fibonacci series. ii. Test for prime numbers.
iii. Test for vowels. iv. Use of foreach loop with arrays
v. Reverse a number and find sum of digits of a number.

CODE : v. Reverse a number and find sum of digits of a number.

```
using System;
class HelloWorld
{   static void Main()
   {   Console.WriteLine("This is performed by Bhowmick Joshi
305");
       int num,a;
       int sum=0;
       Console.Write("Enter any number : ");
       num=Convert.ToInt32(Console.ReadLine());
       a=num;
       int rev_num=0;
       while(num>0)
       {   rev_num=rev_num*10+num%10;
          sum=sum+num%10;
          num=num/10;
       }
```

```
        Console.WriteLine("Reverse of "+a+" is : "+rev_num);
        Console.WriteLine("Sum of "+a+" is : "+sum);
        Console.ReadKey();
    }
}
```

OUTPUT

DATE : 9-1-2020
PRACTICAL NO 3(A)

AIM : Create a simple web page with various basic server controls to demonstrate the settings and use of their properties

Sr No	Control	Property	Value
1	Label	ID	lblName
2	Label	Text	Enter your name
3	Textbox	ID	txtName
4	Label	ID	lblLocation
5	Label	Text	Location:
6	Listbox	ID	lstLocation
7	Listbox	ITEM List	Mumbai, Chennai, Delhi, Bangalore
8	Label	ID	lblGender
9	Label	Text	Gender:
10	RadioButton	ID	rdMale
11	Label	Text	Male

12	RadioButton	ID	rdFemale
13	Label	Text	Female
14	Label	Text	Subject Selection:
15	CheckBox	ID	cbAsp
16	Label	Text	ASP .Net
17	CheckBox	ID	cbCsharp
18	Label	Text	C#
19	Button	ID	btnSubmit
20	Button	Text	Submit

Note :Double click on Submit button and write the following code in the click event

```
protected void Button1_Click(object sender, EventArgs e)
{
protected void Button1_Click(object sender, EventArgs e)
txtName.Visible = false;
lstLocation.Visible = false;
chkC.Visible = false;
chkASP.Visible = false;
rdMale.Visible = false;
rdFemale.Visible = false;
btnSubmit.Visible = false;
}
```

OUTPUT :

DATE : 16-10-2020

PRACTICAL NO 3B

AIM : Aim : Demonstrate the use of Calendar control to perform following operations.

a) Display messages in a calendar control

b) Display vacation in a calendar control

c) Selected day in a calendar control using style

d) Difference between two calendar dates

Sr No	Control	Property	Value
1	Calendar	ID	Calendar1
2	Calendar	BackColor	#FFFFCC
3	Calendar	DayNameFormat	Shortest
4	Calendar	NextPrevFormat	ShortMonth

5	Calendar	SelectedDayStyle	Blue
6	Calendar	TodayDayStyle	White
7	Button	ID	btnResult
8	Button	Text	Submit
9	Button	ID	btnReset
10	Button	Text	Reset
11	Label	ID	Label1
12	Label	ID	Label2
13	Label	ID	Label3
14	Label	ID	Label4
15	Label	ID	Label5

Calendar_Control.aspx.cs

```
protected void Calendar1_DayRender(object sender,
System.Web.UI.WebControls.DayRenderEventArgs e)
{       if (e.Day.Date.Day == 5 && e.Day.Date.Month = 9)
{       e.Cell.BackColor = System.Drawing.Color.Yellow;
Label lbl = new Label();
lbl.Text = "<br >Teachers Day!..;
e.Cell.Controls.Add(lbl): Image gl = new Image();
g1.ImageUrl = "Untitled.jpg”;
g1.Height = 20;
g1.Width = 20;
e.Cell.Controls.Add(g1);
}
if (e.Day.Date.Day == 17 && e.Day.Date.Month = 10)
{       Calendar1.SelectedDate = new DateTime(2020, 10, 16);
Calendar1.SelectedDates.SelectRange(Calendar1.SelectedDate,
Calendar.SelectedDate.AddDays(9));
Label lbl1 = new Label();
lbl1.Text = "<br>Navratri”;
e.Cell.Controls.Add(lbl1);
}
```

```
protected void btnReset_Click(object sender. EventArgs e)
{       Label1.Text = "";
Label2.Text = "";
Label3.Text = "";
Label4.Text = "";
Label5.Text = "";
Calendar1.SelectedDates.Clear();
}
protected void btnResult_Click1(object sender, EventArgs e)
{       Calendar1.Caption = "TechnoLytics Learning";
Label2.Text = "Today's Date :" +
Calendar1.TodaysDate.ToShortDateString();
Label3.Text =”Navratri Festival Starts on : 10-17-2020";
TimeSpan d = new DateTime(2020, 10, 17) - DateTime.Now;
Label4.Text = "Days Remaining For Navratri Festival :" +
d.Days.ToString();
TimeSpan d1 = new DateTime(2020, 12, 31) - DateTime.Now;
Label5.Text = "Days Remaining for New Year:" +
d1.Days.ToString();
        }
}
```

DATE : 23-10-2020

PRACTICAL NO 3C

AIM : Use of TreeView Control with ASP.net and C#

Part-1: Using direct control

Sr No	Control	Property	Value

1	TreeView	ID	TreeView1
2	TreeView	TreeView NavigateUrl	https://www.dalmialionscollege.ac.in/
3	TreeView	TreeView NavigateUrl	URL Link
4	TreeView	TreeView NavigateUrl	URL Link
5	TreeView	TreeView NavigateUrl	URL Link
6	TreeView	TreeView NavigateUrl	URL Link
7	TreeView	TreeNode Next	Home
8	TreeView	HoverNodeStyle	#FF523B
9	TreeView	LeafNodeStyle	#CCFF33
10	TreeView	ParentNodeStyle	#FF33CC
11	TreeView	RootNodeStyle	#66FF66
12	TreeView	TreeView NavigateUrl	URL Link

OUTPUT :

DATE : 24-10-2020

PRACTICAL NO 3C

AIM : Use of TreeView Control with ASP.net and C#

Part-2 : Using XML data source

Steps :

1. **Add an XML file and name it XMLFile.xml**
2. **Drag and Drop an XmlDataSource control on the WebForm. SetDataFile attribute should point to the xml file that we added in step 1.**
3. **Drag and Drop a treeview control and set DataSourceID attribute to xml DataSource Control that we created in step 2. Also set Bindings**

Sr no	Control	Property	Value
1	XMLDataSource	ID	XmlDataSource1
2	XMLDataSource	DataFile	~/DataFile
3	TreeView	ID	TreeView1
4	TreeView	DataSourceID	XmlDataSource1
5	TreeNodeBinding	DataMember	TreeView1

6 TreeNodeBinding NavigateUrlField Navigator1

XMLFile.xmls

```
<?xml version="1.0" encoding="utf-8" ?>
<studentdetail>
<student>
<sid>1</sid>
<sname>Tushar</sname>
<sclass>TYIT</sclass>
</student>
<student>
<sid>2</sid>
<sname>Sonali</sname>
<sclass>TYCS</sclass>
</student>
<student>
<sid>3</sid>
<sname>Yashashree</sname>
<sclass>TYIT</sclass>
</student>
<student>
<sid>4</sid>
<sname>Vikash</sname>
<sclass>TYIT</sclass>
</student>
<student>
<sid>5</sid>
<sname>Deepika</sname>
<sclass>TYIT</sclass>
</student>
</studentdetail>
```

OUTPUT :

DATE : 5/11/2020
PRACTICAL NO 4A
Aim:Create Web Form to demonstrate use of AdRotator Control.

Property Table:

Sr no.	Control	Property	Value
1	AdRotator	ID	AdRotator1
2	AdRotator	DataSourceID	XmlDataSource1
3	XmlDataSource1	ID	XmlDataSource1
4	XmlDataSource1	DataFile	~/XMLFile.xml

Output:

DATE : 5-11-2020

PRACTICAL NO 4B

Aim: Create a web application to demonstrate use of Master Page.

Create a website for Dlita using the concept of Master page.

Include the following objects in your master page.

1. Header -

2. Footer -

3. Menu including all events till date (minimum 3) FY Orientation, Speed Mathematics, Bridge Course

4. Content page Notice / Show Flow

Steps:

1. **Add Master page**
2. **Add Insert table**
3. **Add Header Image with Menu (Link to the respective web page)**
4. **Add Footer image**
5. **Add ContentPlaceHolder**

6. Add 3 web forms with respective image (Link to the master page)

Code:

FY Orientation.aspx:

```
<@ Page Title="" 
Language="C#"MasterPageFile="~/MasterPage.master" 
AutoeventWireup="true" CodeFile="FY Orientation.aspx.cs" 
Inherits="_Default" %>
<asp:Content ID="Content1" ContentPlaceHolder ID="head" 
Runat="Server">
</asp:Content>
<asp:Content ID="Content 3" ContentPlaceHolder 
ID="ContentPlaceHolder2" 
Runat="Server">
<asp:Image ID="Image3" runat="Server" Height="400px" 
ImageUrl="~/FY Orientation.jpg" Width="250px" />
<asp:Content>
```

Speed Mathematics.aspx

```
<@ Page Title="" 
Language="C#"MasterPageFile="~/MasterPage.master" 
AutoeventWireup="true" CodeFile="Speed Mathematics" 
Inherits="_Default" %>
<asp:Content ID="Content1" ContentPlaceHolder ID="head" 
Runat="Server">
</asp:Content>
<asp:Content ID="Content 3" ContentPlaceHolder 
ID="ContentPlaceHolder2" 
Runat="Server">
<asp:Image ID="Image3" runat="Server" Height="400px" 
ImageUrl="~/Speed Mathematics.jpg" Width="400px" />
<asp:Content>
```

Bridge Course.aspx

```
<@ Page Title=”” 
Language=”C#”MasterPageFile=”~/MasterPage.master” 
AutoeventWireup=”true” CodeFile=”Bridge Course.aspx.cs” 
Inherits=”_Default” %>
<asp:Content ID=”Content1” ContentPlaceHolder ID=”head” 
Runat=”Server”>
</asp:Content>
<asp:Content ID=”Content 3” ContentPlaceHolder 
ID=”ContentPlaceHolder2” 
Runat=”Server”>
<asp:Image ID=”Image3” runat=”Server” Height=”400px” 
ImageUrl=”~/Bridge Course.jpg” Width=”400px” />
<asp:Content>
```

MasterPage.master:

```
<asp:Image ID=”Image1” runat=”Server” Height=”100px” 
ImageUrl=”~/IMG.jpg Width=”400px” />
<asp:Menu iD=”Menu1 runat=”Server” Orientation=”Horizontal”>
<Items>
        <asp:MenuItem NavigateUrl=”~/FY Orientation.aspx” 
Text=”FY Orientation” 
Value=”FY Orientation”><asp:MenuItem>
        <asp:MenuItem NavigateUrl=”~/Speed Mathematics.aspx” 
Text=”FY Orientation” 
Value=”Speed Mathematics”><asp:MenuItem>
        <asp:MenuItem NavigateUrl=”~/Bridge Course.aspx” 
Text=”FY Orientation” 
Value=”Bridge Course”><asp:MenuItem>
</Items>
</asp:Menu>
<asp:ContentPlaceHolder ID=”ContentPlaceHolder2” 
runat=”Server”>
<asp:ContentPlaceHolder>
```

<asp:ImageUrl ID=”Image2” runat=”server” Height=”60px” ImageUrl=”~/dlita_footer.jpg width=”400px” />

Property table:

Sr no	Control	Property	value
1	Image	ID	Image1
2	Image	height	100px
3	Image	width	400px
4	Image	ImageURL	Header
5	Menu	ID	Meanu1
6	MenuItem	NavigateURL	FY Orientation.aspx
7	MenuItem	NavigateURL	Speed Mathematics.aspx
8	MenuItem	NavigateURl	Bridge course.aspx
9	ContentPlaceHolder	ID	ContentPlaceHolder2
10	Image	ID	Image2
11	Image	Height	60px
12	Image	Width	400px
13	Image	ImageURL	Footer

Output:

DATE : 7-11-2020
PRACTICAL NO 4C
AIM : Create Registration form for Dlita Membership. Include the following validator controls for the required fields.

PROPERTY TABLE

Sr. No.	Control	Property	Value
1	RequiredFieldValidator	ID	RequiredFieldValidator2
2	RequiredFieldValidator	TextBoxl	
3	RequiredFieldValidator	ErrorMessage	Please Enter Your Name
4	RequiredFieldValidator	Display	Dynamic
5	CompareValidator	ID	CompareValidatorl
6	CompareValidator	ControlToValidate	TextBox2
7	CompareValidator	ErrorMessage	Please Enter Valid Roll No.
8	CompareValidator	Operator	LessThanEqual
9	RegularExpressionValidator	ID	RegularExpressionValidatorl
10	RegularExpressionValidator	ControlToValidate	TextBox4
11	RegularExpressionValidator	ErrorMessage	Please Enter Valid Email-ID
12	RegularExpressionValidator	ValidationExpression	Expression
13	RangeValidator	ID	RangeValidator2
14	RangeValidator	ControlToValidate	TextBoxS
15	RangeValidator	ErrorMessage	Enter Your 10 Digit Phone Number
16	RangeValidator	Type	Integer
17	ValidationSummary	ID	ValidationSummaryl

Sr no	Control	Property	value
1	RequiredFieldValidator	ID	RequiredFieldValidator2
2	RequiredFieldValidator	COntrolToValidate	TextBox1
3	RequiredFieldValidator	ErrorMessage	Please Enter Your Name
4	RequiredFieldValidator	Display	Dynamic
5	CompareValidator	ID	CompareValidator1
6	CompareValidator	ControlToValidate	TextBox4
7	CompareValidator	ErrorMessage	Enter valid your Roll No
8	CompareValidator	Operator	LessThanEqual
9	RegularExpressionValidator	ID	RegularExpressionValidator1
10	RegularExpressionValidator	ControlToValidate	TextBox4
11	RegularExpressionValidator	ErrorMessage	Please enter valid E-mail ID
12	RegularExpressionValidator	ValidationExpression	expression
13	RangeValidator	ID	RangeValidator1
14	RangeValidator	ControlToValidate	TextBox5
15	RangeValidator	ErrorMessage	Enter 10 digit phone number
16	RangeValidator	Type	Integer
17	ValidateSummary	ID	ValidateSummary1

OUTPUT :

DATE : 22-11-2020
PRACTICAL NO 5A
AIM : Write a program to demonstrate the use of Global.asax
CODE:
Global.asax

```
Void Application_Start(object sender,EventArgs e)
{
        Application[“user”]=0;
}
Void Session_Start(object sender,EventArgs e)
{
        Application.Lock();
        Application[“user”]=(int)Application[“user”] + 1;
        Application.Unlock();
}
Void Session_End(object sender,EventArgs e)
{
        Application.Lock();
```

```
        Application[“user”]=(int)Application[“user”] - 1;
        Application.Unlock();
}

Default.aspx.cs
public partial class _Default : System.Web.UI.Page
{
protected voidPage_Load(object sender,EventArgs e)
        {
}
Protected void Button_Click(object sender,EventArgs e)
{
Label1.Text=(“The number of users are:”+
Application[“user”].ToString());
}
}

Web.config
<configuration>
<system.web>
<sessionState mode=”InProc” timeout=”” cookieless=
“true”><sessionState>
<compilation debug=”true” targetFramework=”4.5.2” />
<httpRuntime targetFramework=4.5.2” />
<system.web>
<configuration>
OUTPUT :
```

DATE : 22-11-2020
PRACTICAL NO 5B

AIM : Write a program to demonstrate use of HiddenField
CODE :

Default.aspx

```
Public partial class _Default: System.Web.UI.Page
{
int Counter= 0;
Protected void Page_Load(object sender,EventArgs e)
{
}
Protected void Button_Click(object sender,EventArgs e)
{
Counter = int.Parse(HiddenField1.Value);
```

```
Counter+=1;
Response.Write("Hit count is" + Counter);
HiddenField1.Value= Counter.ToString();
}
}
```

OUTPUT :

DATE : 22-11-2020

PRACTICAL NO 5A

AIM : Write a program to demonstrate the use of Global.asax

CODE:

Global.asax

```
Void Application_Start(object sender,EventArgs e)
{
        Application["user"]=0;
}
Void Session_Start(object sender,EventArgs e)
{
        Application.Lock();
        Application["user"]=(int)Application["user"] + 1;
        Application.Unlock();
}
Void Session_End(object sender,EventArgs e)
```

```
{
        Application.Lock();
        Application[“user”]=(int)Application[“user”] - 1;
        Application.Unlock();
}
```

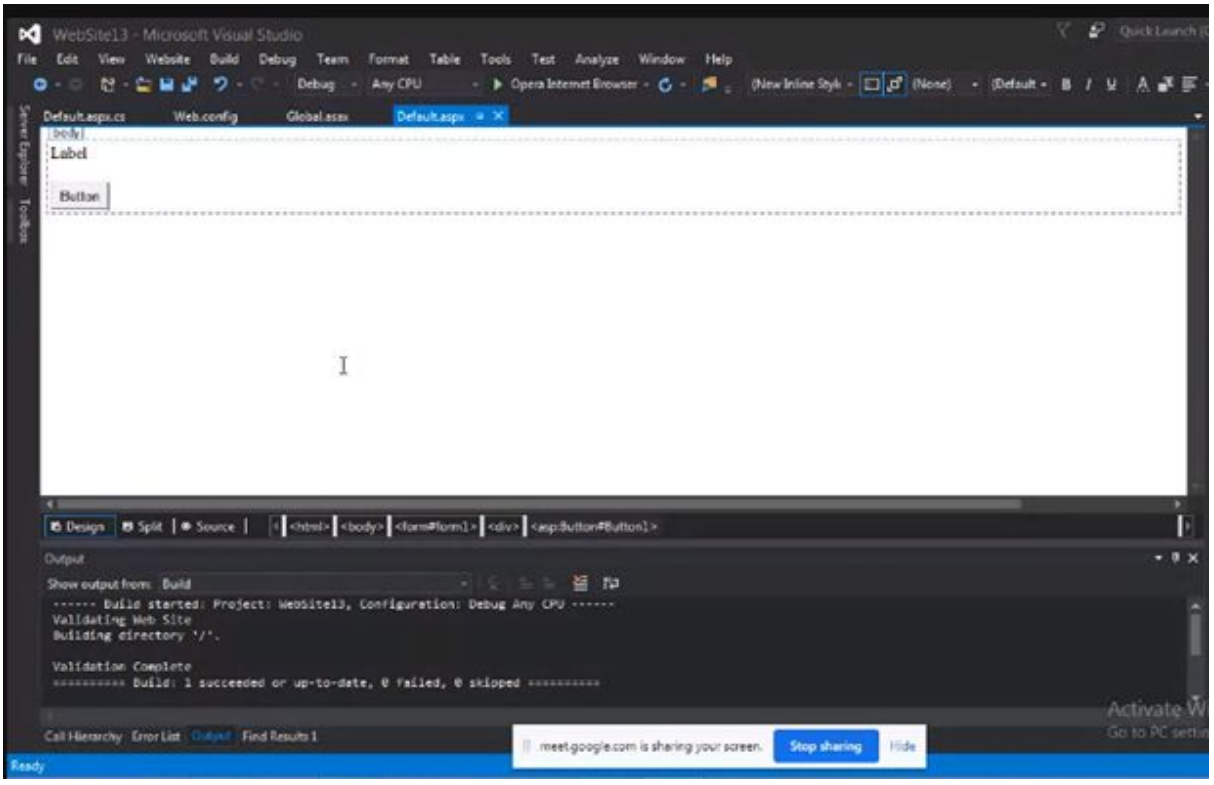
Default.aspx.c

```
public partial class _Default : System.Web.UI.Page
{
        protected voidPage_Load(object sender,EventArgs e)
        {
        }
        Protected void Button_Click(object sender,EventArgs e)
        {
        Label1.Text=(“The number of users are:”+ Application[“user”].ToString());
        }
}
```

Web.config

```
<configuration>
<system.web>
<sessionState mode=”InProc” timeout=”” cookieless= “true”><sessionState>
<compilation debug=”true” targetFramework=”4.5.2” />
<httpRuntime targetFramework=4.5.2” />
<system.web>
<configuration>
```

OUTPUT :


WebSite13 - Microsoft Visual Studio
File Edit View Website Build Debug Team Format Table Tools Test Analyze Window Help
Default.aspx.cs
Web.config
Global.asax
Default.aspx
Label
Button
Design
Split
Source
Output
Show output from: Build
------ Build started: Project: WebSite13, Configuration: Debug Any CPU ------
Validating Web Site
Building directory '/'.
Validation Complete
========== Build: 1 succeeded or up-to-date, 0 failed, 0 skipped ==========
Call Hierarchy
Error List
Output
Find Results 1
meet.google.com is sharing your screen.
Stop sharing
Hide
Ready

DATE : 22-11-2020

PRACTICAL NO 5B

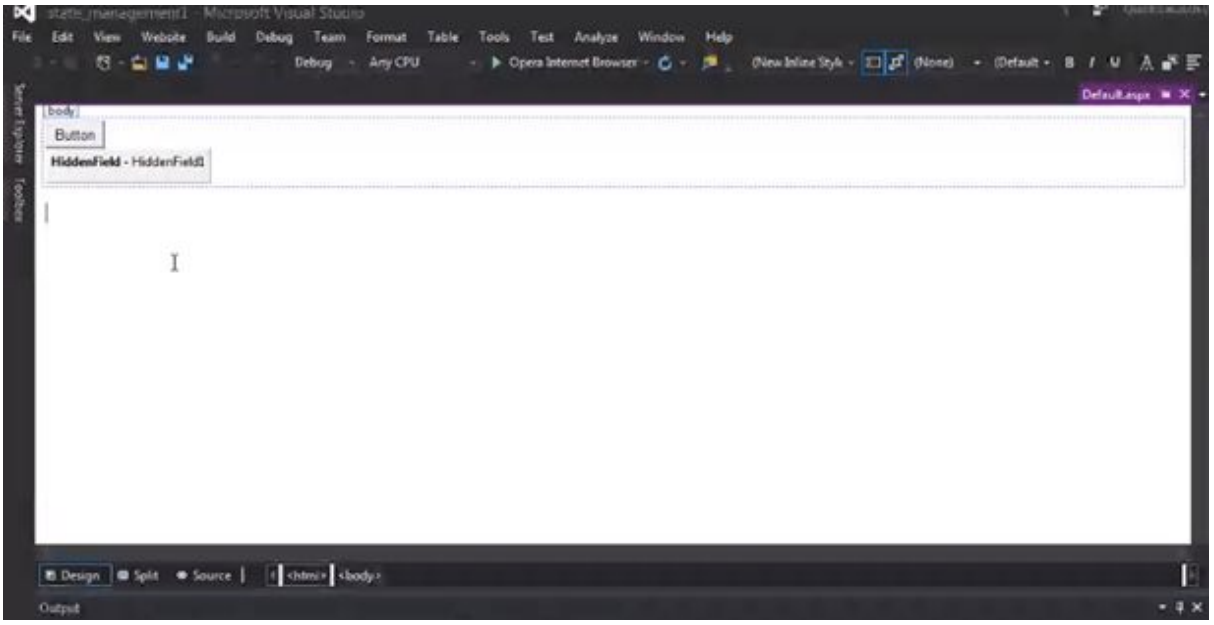
AIM : Write a program to demonstrate use of HiddenField

CODE :

Default.aspx

```
Public partial class _Default: System.Web.UI.Page
{
        int Counter= 0;
        Protected void Page_Load(object sender,EventArgs e)
        {
        }
        Protected void Button_Click(object sender,EventArgs e)
        {
        Counter = int.Parse(HiddenField1.Value);
        Counter+=1;
        Response.Write("Hit count is" + Counter);
        HiddenField1.Value= Counter.ToString();
        }
}
```

OUTPUT :


File Edit View Website Build Debug Team Format Table Tools Test Analyze Window Help
Debug Any CPU Opera Internet Browser (New Inline Style) (None) (Default)
DefaultLaspx
body
Button
HiddenField - HiddenField1
Design Split Source
<html> <body>
Output