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Practical – I

Laxmi Charitable Trust's
Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce
Department of Information Technology (Bsc.IT Semester V)
Advanced Web Programming

Roll No:- T006	Name:- Shivam Kesharwani
Class :-TYIT	Batch :- A
Date of Assignment :- 9/08/2023	Date of Submission :- 13/08/2023

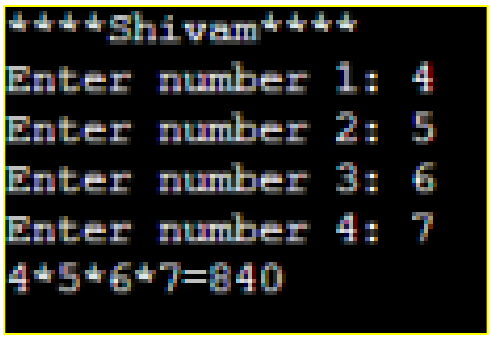
A. Create an application that obtains four int values from the user and displays the product.

CODE:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
namespace ConsoleApplication1
{
class Program
{
static void Main(string[] args)
{
Console.WriteLine("*****Shivam******");
int num1, num2, num3, num4, prod;
Console.Write("Enter number 1: ");
num1 = Int32.Parse(Console.ReadLine());
Console.Write("Enter number 2: ");
num2 = Convert.ToInt32(Console.ReadLine());
Console.Write("Enter number 3: ");
num3 = Convert.ToInt32(Console.ReadLine());
Console.Write("Enter number 4: ");
num4 = Convert.ToInt32(Console.ReadLine());
prod = num1 * num2 * num3 * num4;
Console.WriteLine(num1 + "*" + num2 + "*" + num3 + "*" + num4
```

```
+ "=" + prod);

 Console.ReadKey();

}

}

}
```

OUTPUT :



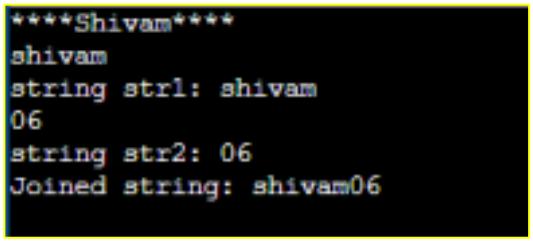
B. Create an application to demonstrate string operations.

CODE:

```
using System;

namespace CsharpString {

 class Test {

   public static void Main(string [] args) {

Console.WriteLine("*****Shivam******");

  string str1 = Console.ReadLine();

     Console.WriteLine("string str1: " + str1);

     string str2 = Console.ReadLine();

     Console.WriteLine("string str2: " + str2);


     string joinedString = string.Concat(str1, str2);

     Console.WriteLine("Joined string: " + joinedString);
```

```
        Console.ReadLine();
      }
     }
    }
```

OUTPUT:



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

CODE:

```
using System;
namespace ArrayOfStructs
{
class Program
{
struct Student
{
public string studid, name, cname;
public int day, month, year;
}
static void Main(string[] args)
{
Student[] s = new Student[5];
int i;
for (i = 0; i < 5; 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 < 5; i++)
{
Console.WriteLine("\nStudent ID : " + s[i].studid);
Console.WriteLine("\nStudent name : " +
s[i].name); Console.WriteLine("\nCourse name : " +
s[i].cname);
Console.WriteLine("\nDate of birth(dd-mm-yy) : " + s[i].day + "-" + s[i].month +"-" + s[i].year); }
}
}
}
```

OUTPUT:-

```
Enter Student Id:6
Enter Student name : shivam
Enter Course name : bsc it
Enter date of birth
 Enter day(1-31):29
Enter month(1-12):10
Enter year:2002


Student's List


Student ID : 6

Student name : shivam

Course name : bsc it

Date of birth(dd-mm-yy) : 29-10-2002
```

D. Create an application to demonstrate following operations

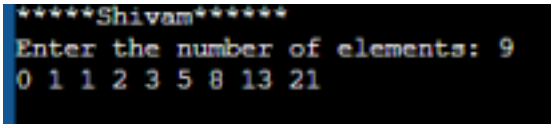
i. Generate Fibonacci series.

CODE:

```
using System;
  public class FibonacciExample
  {
    public static void Main(string[] args)
    {
      Console.WriteLine("*****Shivam******");
       int n1=0,n2=1,n3,i,number;
       Console.Write("Enter the number of elements: ");
       number = int.Parse(Console.ReadLine());
       Console.Write(n1+" "+n2+" ");

       for(i=2;i<number;++i)
       {
        n3=n1+n2;
        Console.Write(n3+" ");
```

```
            n1=n2;
            n2=n3;
           }
         }
       }
```

OUTPUT:-



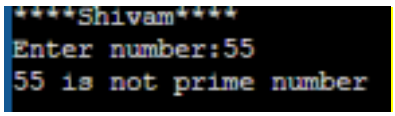
ii. Test for prime numbers.

CODE:

```
using System;
namespace testprime
{
class Program
{
static void Main(string[] args)
{
Console.WriteLine("****Shivam****");
int num, counter;
Console.Write("Enter number:");
num = int.Parse(Console.ReadLine());
for (counter = 2; counter <= num / 2;
counter++) {
if ((num % counter) == 0)
break;
}
if (num == 1)
Console.WriteLine(num + "is neither prime nor
composite"); else if(counter<(num/2))
```

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

OUTPUT:-



iii. Test for vowels.

CODE:

```
using System;
namespace vowels
{
class Program
{
static void Main(string[] args)
{
char ch;
Console.WriteLine("****Shivam****"
); Console.Write("Enter a character :
"); ch = (char)Console.Read();
switch (ch)
{
case 'a':
case 'A':
case 'e':
case 'E':
case 'i':
case 'I':
case 'o':
```

```
case 'O':
case 'u':
case 'U':
Console.WriteLine(ch + "is
vowel"); break;

default:
Console.Write(ch + "is not a vowel");
break;
}
Console.ReadKey();
}
}
}
```

OUTPUT:-

```
****shivam****
Enter a character :ggis not a vowel
```

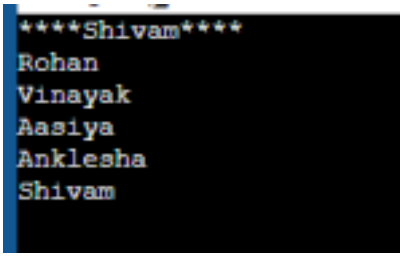
iiv. Use of foreach loop with arrays

CODE:

```
using System;
class ForEach
{
public static void Main()
{
Console.WriteLine("****Shivam****");
string[] str = { "Rohan", "Vinayak", "Aasiya"
,"Anklesha","Shivam"}; foreach (String S in str)

{
Console.WriteLine(S);
}
```

```
}
}
```

OUTPUT:



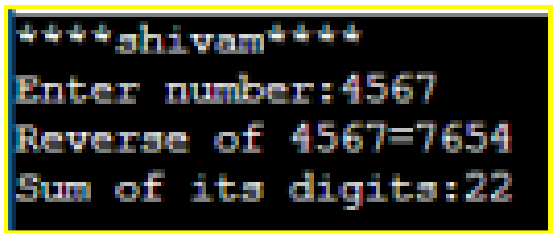
v. Reverse a number and find sum of digits of a number.

CODE:

```
using System;
namespace reverseNumber
{
class Program
{
static void Main(string[] args)
{
Console.WriteLine("****Shivam****");
int
num,actualnumber,revnum=0,digit,sumDigits=0;
Console.Write("Enter number:");
num = int.Parse(Console.ReadLine());
actualnumber = num;
while (num > 0)
{
digit = num % 10;
revnum = revnum * 10 + digit;
sumDigits=sumDigits+digit;
```

```
num = num / 10;
}
Console.WriteLine("Reverse of " + actualnumber + "=" +
revnum); Console.WriteLine("Sum of its digits:" + sumDigits);}}}
```

OUTPUT:



Practical-II

Laxmi Charitable Trust's
Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce
Department of Information Technology (Bsc.IT Semester V)
Advanced Web Programming

Roll No:- T006	Name:- Shivam Kesharwani
Class :-TYIT	Batch :- A
Date of Assignment :- 9/08/2023	Date of Submission :- 14/08/2023

1. Create simple application to perform following operations

- **Finding factorial Value**

```
using System;
namespace factorial
{
    class Program
    {
        static void Main(string[] args)
        {
            int i, number, fact;
            Console.WriteLine("SHIVAM 06");
            Console.WriteLine("Enter the Number");
            number = int.Parse(Console.ReadLine());
            fact = number;
            for (i = number - 1; i >= 1; i--)
            {
                fact = fact * i;
            }
            Console.WriteLine("Factorial of Given Number is: " + fact);
            Console.ReadLine();
        }
    }
}
```

```
SHIVAM 06
Enter the Number
5
Factorial of Given Number is: 120
```

- **Money Conversion**

```
using System;
namespace factorial
{
   class Program
   {
    static void Main(string[] args)
    {
        int rupee, dollar, value;
        Console.WriteLine("SHIVAM 06");
        Console.WriteLine("Enter the current Dollar value: ");
        dollar = int.Parse(Console.ReadLine());
        Console.WriteLine("Enter the Dollar amount: ");
        value = int.Parse(Console.ReadLine());
        rupee = dollar * value;
        Console.WriteLine("Rupee value is: " + rupee);
    }
   }
}
```

```
SHIVAM 06
Enter the current Dollar value:
81
Enter the Dollar amount:
10
Rupee value is: 810
```

- **Quadratic Equation**

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
namespace Logic14
{
    class Program
    {
        static void Main(string[] args)
        {
            int a, b, c;
            Console.WriteLine("SHIVAM 06");
            Console.WriteLine("Find the Root of Quadratic Equation");
            a = Convert.ToInt32(Console.ReadLine());
            b = Convert.ToInt32(Console.ReadLine());
            c = Convert.ToInt32(Console.ReadLine());
            double x1, x2, d;
            d = (b * b) - (4 * a * c);
            if (d == 0)
            {
                Console.WriteLine("Both Roots Are Equal");
                x1 = -b / (2.0 * a);
                x2 = x1;
                Console.WriteLine("The First Root={0}", x1);
                Console.WriteLine("The Second Root={1}", x2);
            }
            else if (d > 0)
            {
                Console.WriteLine("Both Roots are Real and differential");
                x1 = -b + Math.Sqrt(d) / (2.0 * a);
                x2 = -b - Math.Sqrt(d) / (2.0 * a);
                Console.WriteLine("2 Real Roots are:");
                Console.WriteLine("The First Root={0}", x1);
                Console.WriteLine("The Second Root is={0}", x2);
            }
            else
                Console.WriteLine("The Given roots are Imaginary");
            Console.ReadLine();
        }
    }
}
```

```
SHIVAM 06
Find the Root of Quadratic Equation
1
5
6
Both Roots are Real and differential
2 Real Roots are:
The First Root=-4.5
The Second Root is=-5.5
```

- **Temperature Conversion**

```
using System;
namespace factorial
{
    class Program
    {
        static void Main(string[] args)
        {
            int kelvin, celcius, far;
            Console.WriteLine("SHIVAM 06");
            Console.WriteLine("Enter the celcius value: ");
            celcius = int.Parse(Console.ReadLine());
            kelvin = celcius + 273;
            far = celcius * 18 / 10 + 32;
            Console.WriteLine("Kelvin value is: " + kelvin);
            Console.WriteLine("farenheit value is: " + far);
        }
    }
}
```

```
SHIVAM 06
Enter the celcius value:
200
Kelvin value is: 473
farenheit value is: 392
```

2. Create simple application to demonstrate use of following concepts

- **Function Overloading**

```
using System;
namespace MethodOverload
{
    class Program
    {
        void display(int a)
        {
            Console.WriteLine("int type: " + a);
        }
        void display(string b)
        {
            Console.WriteLine("string type: " + b);
        }
        static void Main(string[] args)
        {
            Program p1 = new Program();
            p1.display(100);
            p1.display("SHIVAM 06");
            Console.ReadLine();
        }
    }
}
```

```
int type: 100
string type: SHIVAM 06
```

- **Inheritance (all types)**

***Single Inheritance**

```
using System;
using System.Diagnostics.CodeAnalysis;
class base1
{
    public void base_method()
    {
        Console.WriteLine("This is base class");
    }
}
class derived : base1
{
    public void derived_method()
    {
        Console.WriteLine("This is derived class");
    }
}
class Program
{
    public static void Main(string[] args)
    {
        Console.WriteLine("SHIVAM 06");
        derived obj2 = new derived();
        obj2.base_method();
        obj2.derived_method();
    }
}
```

```
SHIVAM 06
This is base class
This is derived class
```

***Multiple Inheritance**

```
using System;
using System.Diagnostics.CodeAnalysis;
interface A
{
    public void Method();
}
interface B
{
    public void Method2();
}
class C : A, B
{
    public void Method()
    {
        Console.WriteLine("This is inteface A method");
    }
    public void Method2()
    {
        Console.WriteLine("This is inteface B method");
    }
}
class Program
{
    public static void Main(string[] args)
    {
        Console.WriteLine("SHIVAM 06");
        C c = new C();
        c.Method();
        c.Method2();
    }
}
```

```
SHIVAM 06
This is inteface A method
This is inteface B method
```

***Multilevel Inheritance**

```
using System;
public class Animal
{
public void eat() { Console.WriteLine("Eating..."); }
}
public class Dog: Animal
{
public void bark() { Console.WriteLine("Barking..."); }
}
public class BabyDog : Dog
{
public void weep() { Console.WriteLine("Weeping..."); }
}
class TestInheritance2{
public static void Main(string[] args)
{
Console.WriteLine("SHIVAM 06");
BabyDog d1 = new BabyDog();
d1.eat();
d1.bark();
d1.weep();
}
}
```

```
SHIVAM 06
Eating...
Barking...
Weeping...
```

- **Constructor overloading**

```
using System;
namespace ConstructorOverload {
class Car {
Car() {
Console.WriteLine("SHIVAM 06");
Console.WriteLine("Car constructor");
}
Car(string brand) {
Console.WriteLine("Car constructor with one parameter");
Console.WriteLine("Brand: " + brand);
}
static void Main(string[] args) {
Car car = new Car();
Console.WriteLine();
Car car2 = new Car("Bugatti");
Console.ReadLine();
}
}
}
```

```
SHIVAM 06
Car constructor

Car constructor with one parameter
Brand: Bugatti
```

- **Interfaces**

```
using System;
using System.Diagnostics.CodeAnalysis;
interface A
{
public void Method();
}
interface B
{
public void Method2();
}
class C : A,B
{
public void Method()
{
Console.WriteLine("This is inteface A method");
}
public void Method2()
{
Console.WriteLine("This is inteface B method");
}
}
class Program
{
public static void Main(string[] args)
{
Console.WriteLine("SHIVAM 06");
C c=new C();
c.Method();
c.Method2();
}
}
```

```
SHIVAm 06
This is inteface A method
This is inteface B method
```

3. Create simple application to demonstrate use of following concepts

- Using Delegates and events

```
using System;
namespace Delegates
{
public delegate int operation(int x, int y);
class Program
{
static int Addition(int a, int b)
{
return a + b;
}
static void Main(string[] args)
{
Console.WriteLine("SHIVAM 06");
operation obj = new operation(Program.Addition);
Console.WriteLine("Addition is={0}",obj(13,40));
Console.ReadLine();
}
}
}
```

```
SHIVAM 06
Addition is=69
```

- **Exception handling**

```
using System;
class MyClient
{
public static void Main()
{
int x = 0;
int div = 0;
Console.WriteLine("SHIVAM 06");
try
{
div = 100 / x;
Console.WriteLine("This line is not executed");
}
catch (DivideByZeroException)
{
Console.WriteLine("Exception occured");
}
Console.WriteLine($"Result is {div}");
}
}
```

```
SHIVAM 06
Exception occured
Result is 0
```

PRACTICAL-III

Laxmi Charitable Trust's

Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce

Department of Information Technology (Bsc.IT Semester V)

Advanced Web Programming

Roll No. : T006	Name: Shivam Kesharwani
Class : TYIT	Batch : A
Date of Assignment : 6/10/2023	Date of Submission : 6/10/2023

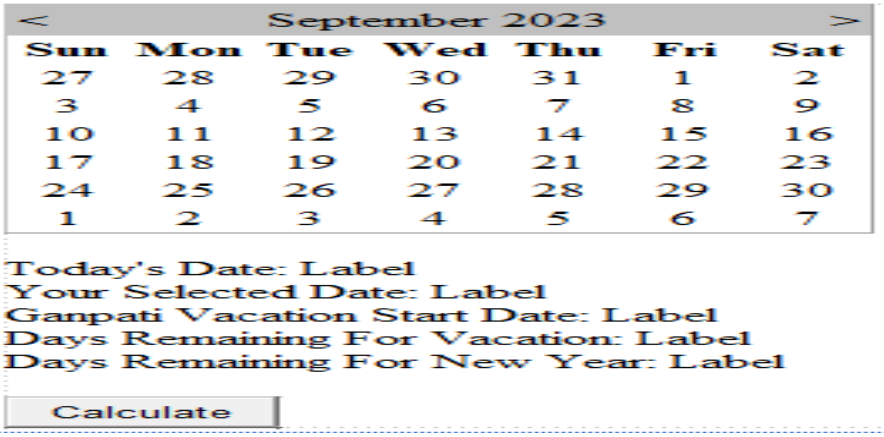
A. Calender Control

CODE:

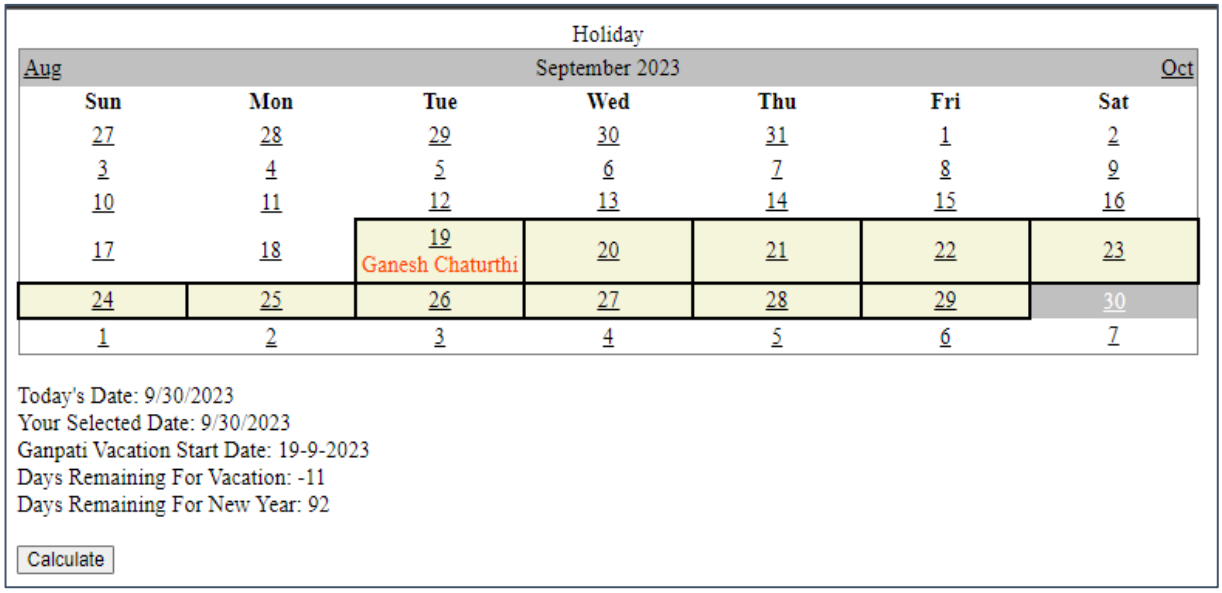
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace CalenderControl
{
    2 references
    public partial class WebForm1 : System.Web.UI.Page
    {
        0 references
        protected void Page_Load(object sender, EventArgs e)
        {
            Calendar1.Caption = "Holiday";
            Calendar1.FirstDayOfWeek = FirstDayOfWeek.Sunday;
            Calendar1.NextPrevFormat = NextPrevFormat.ShortMonth;
            Calendar1.TitleFormat = TitleFormat.MonthYear;

        }

        0 references
        protected void Button1_Click(object sender, EventArgs e)
        {
            Label1.Text = Calendar1.TodaysDate.ToShortDateString();
            Label2.Text = Calendar1.SelectedDate.ToShortDateString();
            Label3.Text = "19-9-2023";
            TimeSpan D1=new DateTime(2023,9,19)-DateTime.Now;
            Label4.Text = D1.Days.ToString();
            TimeSpan D2 = new DateTime(2024,1,1) - DateTime.Now;
            Label5.Text = D2.Days.ToString();
        }
```

```
        0 references
        protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
        {
            if (e.Day.Date>=new DateTime (2023,9,19) && (e.Day.Date <= new DateTime(2023, 9, 29)))
            {
                e.Cell.BackColor = System.Drawing.Color.Beige;
                e.Cell.BorderColor= System.Drawing.Color.Black;
                e.Cell.BorderWidth = new Unit(3);
            }
            if (e.Day.Date.Day == 19 && e.Day.Date.Month == 9)
            {
                Label lb= new Label();
                e.Cell.Controls.Add(lb);
                lb.Text = "<br>" + "Ganesh Chaturthi";
                lb.ForeColor = System.Drawing.Color.OrangeRed;
            }
        }
    }
}
```

DESIGN:-



OUTPUT:



PRACTICAL-IV

Laxmi Charitable Trust's

Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce

Department of Information Technology (Bsc.IT Semester V)

Advanced Web Programming

Roll No. : T006	Name: Shivam Kesharwani
Class : TYIT	Batch : A
Date of Assignment : 9/08/2023	Date of Submission : 17/08/2023

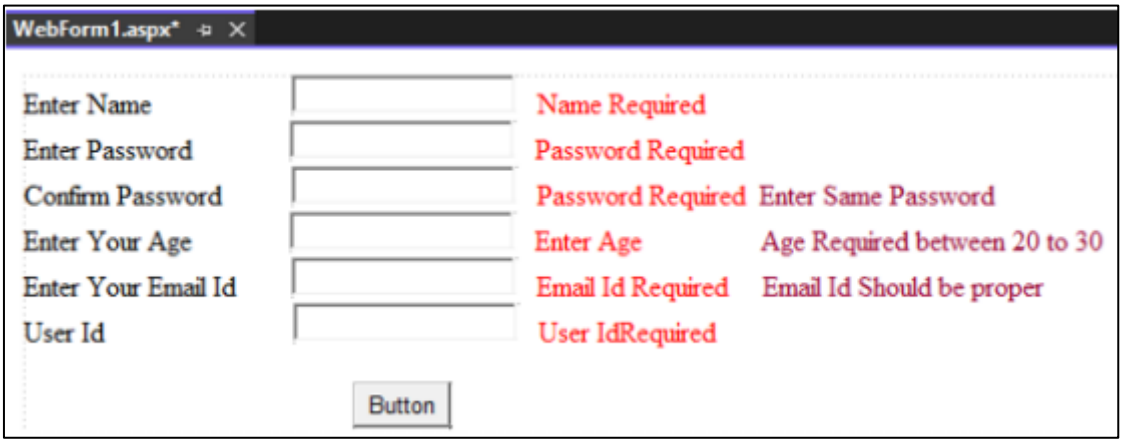
a) Create a registration form to demonstrate use of various Validation controls.

CODE:

```
protected void Button1_Click(object sender, EventArgs e)
{
    Response.Write("Submitted");
}
```

```
<configuration>
    <appSettings>
    <add key="ValidationSettings:UnobtrusiveValidationMode" value="None" />
    </appSettings>
```

OUTPUT:



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

Code:-

```
<Advertisements>
    <Ad>
        <ImageUrl>~/Images/Horse.jpg</ImageUrl>
        <NavigateUrl>https://www.google.com</NavigateUrl>
        <AlternateText>Drink advertisement</AlternateText>
        <Height>558</Height>
        <Width>558</Width>
        <Impressions>20</Impressions>
        <Keyword>Bevrages</Keyword>
    </Ad>
    <Ad>
        <ImageUrl>~/Images/lion.jpg</ImageUrl>
        <NavigateUrl>https://www.google.com</NavigateUrl>
        <AlternateText>sweet advertisement</AlternateText>
        <Height>558</Height>
        <Width>558</Width>
        <Impressions>20</Impressions>
        <Keyword>Lollypop</Keyword>
    </Ad>
    <Ad>
        <ImageUrl>~/Images/parrot.jpg</ImageUrl>
        <NavigateUrl>https://www.google.com</NavigateUrl>
        <AlternateText>bag advertisement</AlternateText>
        <Height>558</Height>
        <Width>558</Width>
        <Impressions>20</Impressions>
        <Keyword>travel</Keyword>
    </Ad>
    <Ad>
        <ImageUrl>~/Images/Tiger.jpg</ImageUrl>
        <NavigateUrl>https://www.google.com</NavigateUrl>
        <AlternateText>cookies advertisement</AlternateText>
        <Height>558</Height>
        <Width>558</Width>
        <Impressions>20</Impressions>
        <Keyword>cookies</Keyword>
    </Ad>
</Advertisements>
```

OUTPUT:

c) Create Web Form to demonstrate use User Controls.

CODE:

WebUserControl.ascx

```
<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="WebUserControl
<table>
    <tr>
        <td>This is a table(shivam)</td>
    </tr>
</table>
```

WebForm.aspx

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

OUTPUT:

This is a table(shivam)

Practical-V

Laxmi Charitable Trust's

Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce

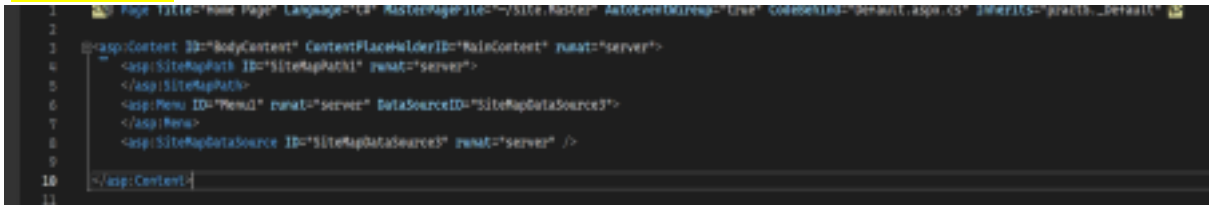
Department of Information Technology (Bsc.IT Semester V)

Advanced Web Programming

Roll No:- T006	Name: Shivam Kesharwani
Class : TYIT	Batch : A
Date of Assignment : 9/08/2023	Date of Submission : 24/08/2023

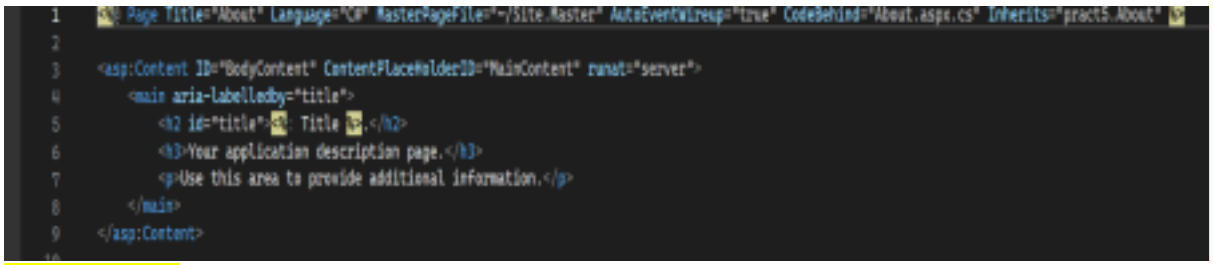
A. Create Web Form to demonstrate use of Website Navigation controls and Site Map.

Default.aspx

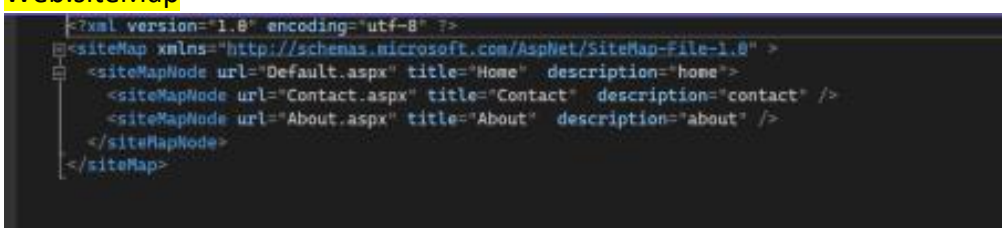


Contact.aspx

About.aspx



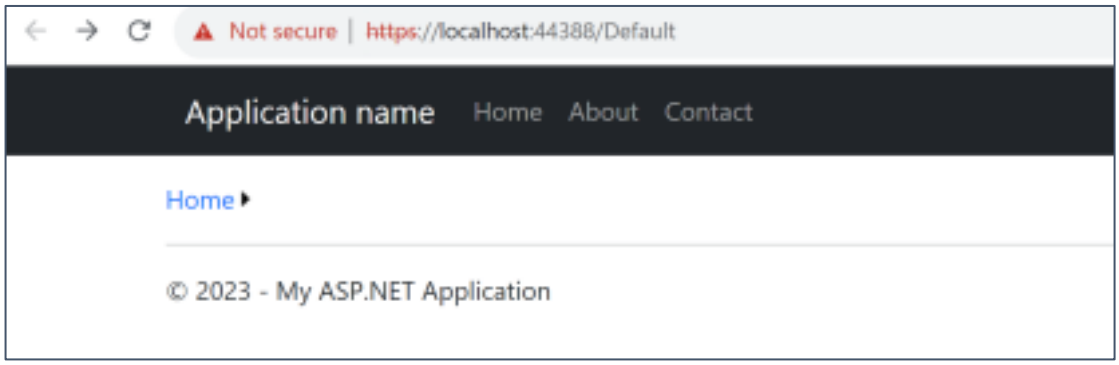
Web.siteMap

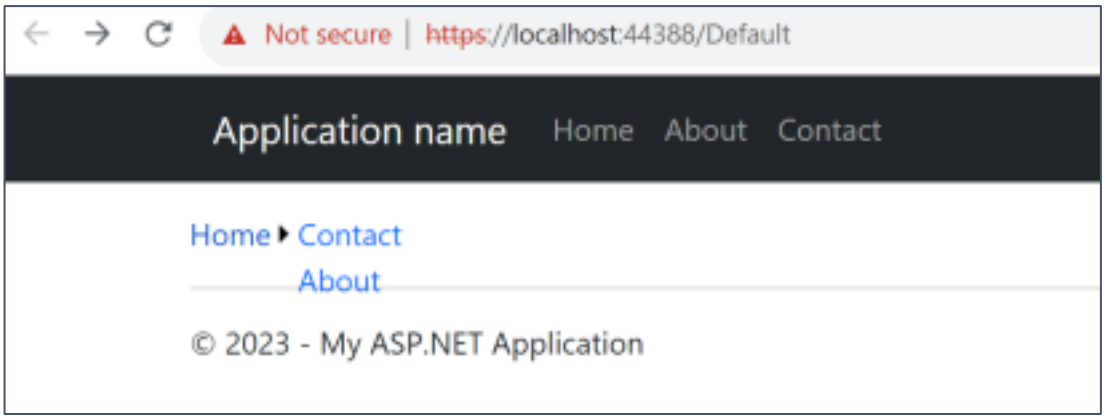


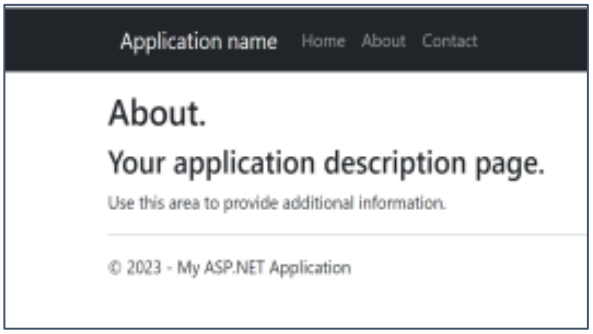
Web.config

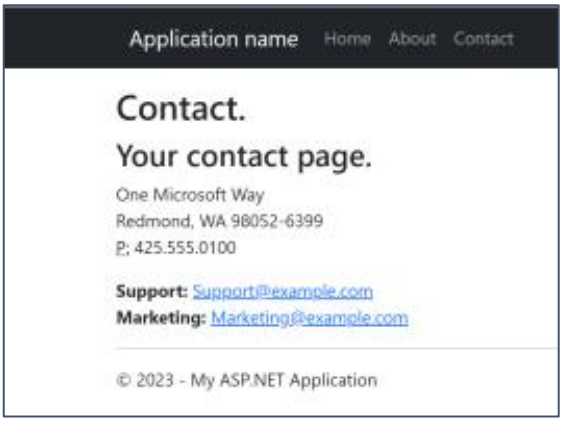
```
<?xml version="1.0" encoding="utf-8" ?>
<siteMap xmlns="http://schemas.microsoft.com/AspNet/SiteMap-File-1.0" >
  <siteMapNode url="Default.aspx" title="Home"  description="home">
    <siteMapNode url="Contact.aspx" title="Contact"  description="contact" />
    <siteMapNode url="About.aspx" title="About"  description="about" />
  </siteMapNode>
</siteMap>
```

Output:



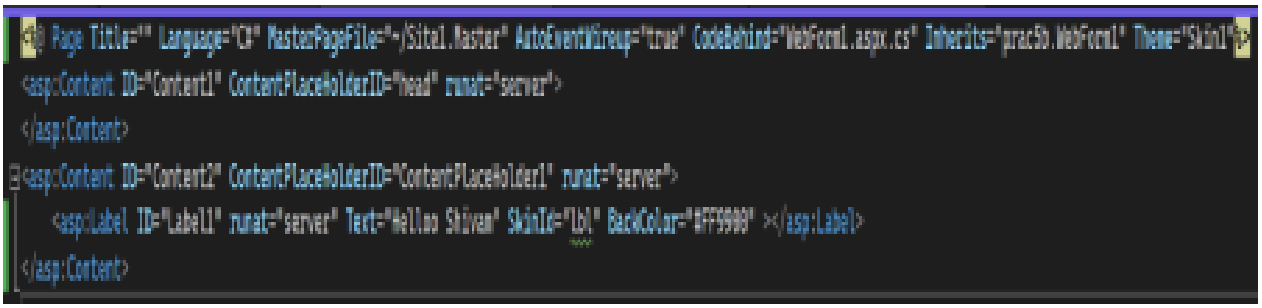






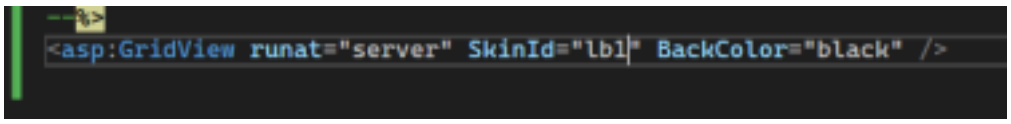
B. Create a web application to demonstrate use of Master Page with applying Styles and Themes for page beautification.

WebForm1.aspx



StyleSheet1.css

Skin.1.skin



Site1.Master

Output:

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

WebForm1.aspx

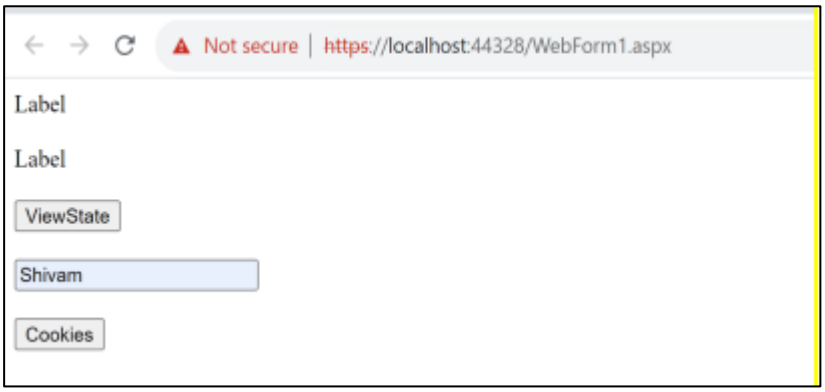
WebForm1.aspx.cs

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

namespace WebApplication6
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (IsPostBack)
            {
                int ViewStateVal = Convert.ToInt32(ViewState["count"]) + 1;
                Label2.Text = "View State = " + ViewStateVal.ToString();
            }
            else
            {
                ViewState["count"] = 1;
            }
        }

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

        protected void Button2_Click(object sender, EventArgs e)
        {
            HttpCookie h = new HttpCookie("name");
            h.Value = TextBox1.Text;
            Response.Cookies.Add(h);
            Response.Redirect("Webform2.aspx");
        }
    }
}
```

WebForm2.aspx.cs

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

namespace WebApplication6
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if (Request.Cookies["name"] != null) ;
            {
                Response.Write("Welcome " + Request.Cookies["name"].Value);
            }
        }
    }
}
```

Output:



Practical-VI

Laxmi Charitable Trust's

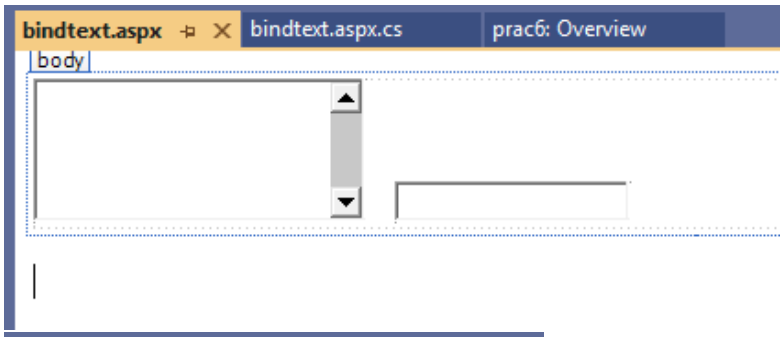
Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce

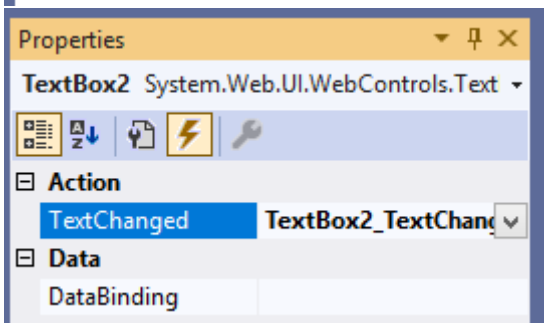
Department of Information Technology (Bsc.IT Semester V)

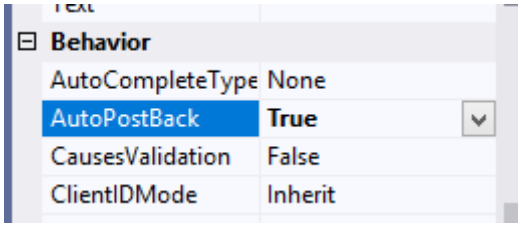
Advanced Web Programming

Roll No. :- T006	Name: Shivam Kesharwani
Class : TYIT	Batch : A
Date of Assignment : 1/08/2023	Date of Submission : 25/08/2023

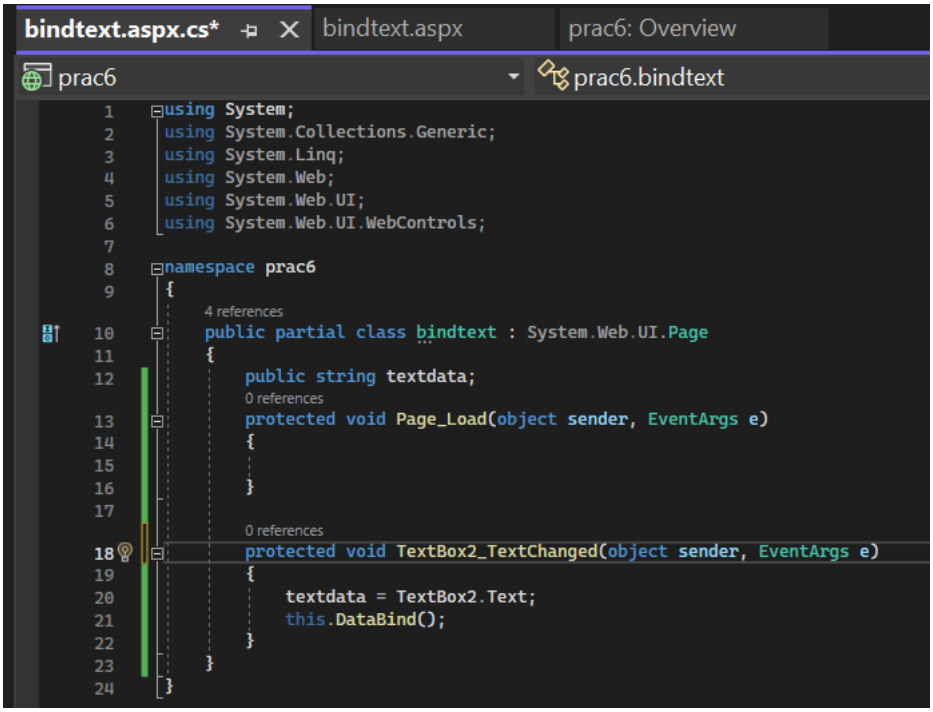
a. Create a web application bind data in a multiline textbox by querying in another textbox.







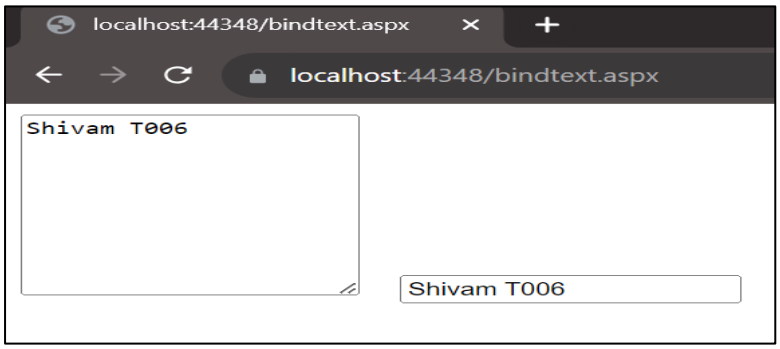
textbind.aspx.cs :



bindtext.aspx

```
bindtext.aspx | bindtext.aspx.cs | prac6: Overview

1  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="bindtext.aspx.cs" Inherits="prac6.bindtext" %>
2
3  <!DOCTYPE html>
4
5  <html xmlns="http://www.w3.org/1999/xhtml">
6  <head runat="server">
7      <title></title>
8  </head>
9  <body>
10     <form id="form1" runat="server">
11         <div>
12             <asp:TextBox ID="TextBox1" Text="<%# textdata %>" runat="server" Height="131px" TextMode="MultiLine">
13
14             </asp:TextBox>
15    
16             <asp:TextBox ID="TextBox2" runat="server" AutoPostBack="True" OnTextChanged="TextBox2_TextChanged">
17
18             </asp:TextBox>
19         </div>
20     </form>
21 </body>
22 </html>
23
```

Output:



b. Create a web application to display records by using database.

dbo.UserDB [Data] | Web.config | WebForm1.aspx.cs | WebForm1.aspx

Max Rows: 1000

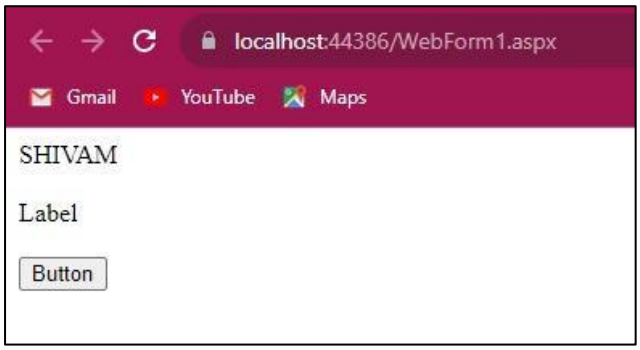
Id	Password
1	abc
2	xyz
3	efg
4	rt
5	mno
NULL	NULL

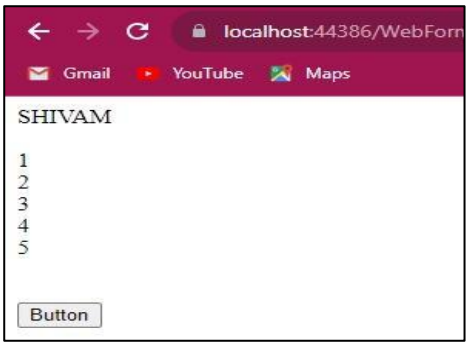
WebForm1.aspx.cs:

```
try
{
    string constr = WebConfigurationManager.ConnectionStrings["c1"].ConnectionString;
    SqlConnection conn = new SqlConnection(constr);
    conn.Open();
    SqlCommand cmd = new SqlCommand("Select * from UserDB",conn);
    SqlDataReader dr = cmd.ExecuteReader();
    Label1.Text = " ";
    while (dr.Read())
    {
        Label1.Text += dr["Id"].ToString() +"<br>";
    }
    dr.Close();
    conn.Close();
}
```

```
        }
        dr.Close();
        conn.Close();
    }
    catch(Exception ex)
    {
     Label1.Text = ex.Message;
    }
}
```

Output:





Practical-VII

Laxmi Charitable Trust's

Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce

Department of Information Technology (Bsc.IT Semester V)

Advanced Web Programming

Roll No:- T006	Name:- Shivam Kesharwani
Class :-TYIT	Batch :- A
Date of Assignment :- 1/09/2023	Date of Submission :- 1/09/2023

a. Programs to create and use DLL

Class library code:

```
using System;

namespace Pract7
{
    2 references
    public class Class1
    {
        1 reference
        public int GetFact(int num)
        {
            int fact = 1;
            if (num <= 0)
            {
                return 1;
            }
            else
            {
                for(int i = 1; i<= num; i++)
                {
                    fact = fact * i;
                }
                return fact;
            }
        }
    }
}
```

Console code:

```
using Pract7;
using System;

0 references
class program
{
    0 references
    public static void Main(string[] args)
    {
        Console.WriteLine("Shivam Kesharwani T006");
        Console.WriteLine("Enter a number:");
        int num = Convert.ToInt32(Console.ReadLine());

        Class1 c = new Class1();
        int result = c.GetFact(num);
        Console.WriteLine("fact: " + result);
        Console.ReadKey();
    }
}
```

Output:

```
Shivam Kesharwani T006
Enter a number:
7
fact: 5040
```

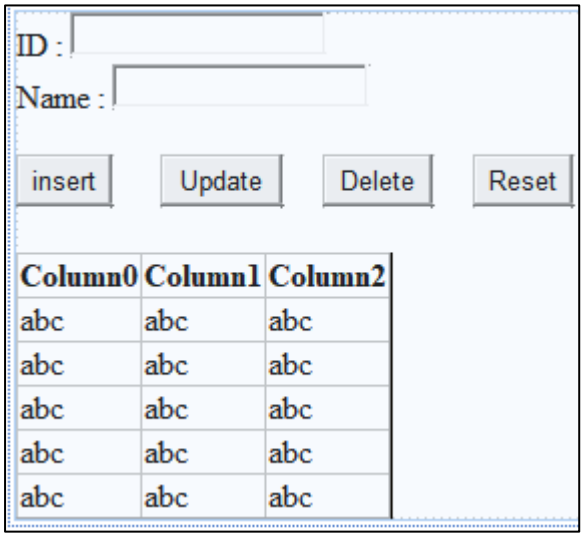
Practical-VIII

Laxmi Charitable Trust's
Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce
Department of Information Technology (Bsc.IT Semester V)
Advanced Web Programming

Roll No:- T006	Name:- Shivam Kesharwani
Class :-TYIT	Batch :- A
Date of Assignment :- 15/09/2023	Date of Submission :- 15/09/2023

Create a web application to add records by using database.

WebForm1.aspx :

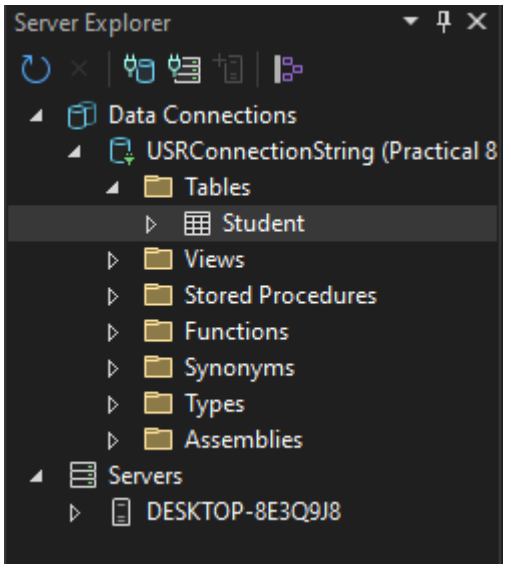


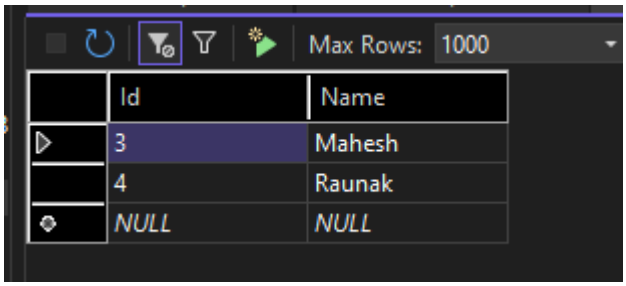
WebForm1.aspx.cs :

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

namespace Practical_8
{
   public partial class WebForm1 : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {
         SqlConnection con = new SqlConnection();
         con.ConnectionString = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=USR;Integrated Security=True;Pooling=False";
         con.Open();
```

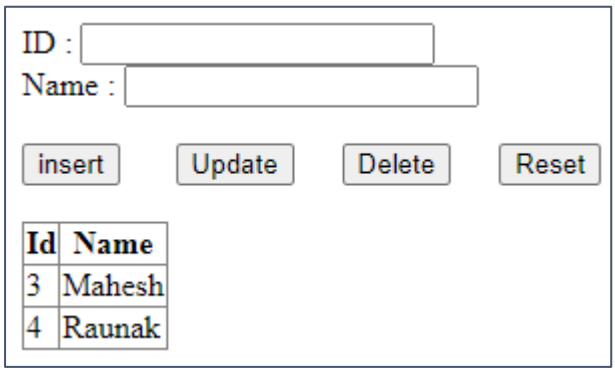
```
        SqlCommand cmd = new SqlCommand("select * from Student", con);
        DataSet ds = new DataSet();
        SqlDataAdapter ad = new SqlDataAdapter(cmd);
        ad.Fill(ds);

        GridView1.DataSource = ds.Tables[0];
        GridView1.DataBind();
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection();
        con.ConnectionString = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=USR;Integrated Security=True;Pooling=False";
        con.Open();
        SqlCommand cmd = new SqlCommand("insert into Student(id,name) values('" +
TextBox1.Text + "','" + TextBox2.Text + "')", con);
        cmd.ExecuteNonQuery();
        con.Close();
    }
    protected void Button2_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection();
        con.ConnectionString = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=USR;Integrated Security=True;Pooling=False";
        con.Open();
        SqlCommand cmd = new SqlCommand("update Student set name = '" + TextBox2.Text +
"'where Id='" + TextBox1.Text + "' ", con);
        cmd.ExecuteNonQuery();
        con.Close();
    }
    protected void Button3_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection();
        con.ConnectionString = "Data Source=(localdb)\\MSSQLLocalDB;Initial
Catalog=USR;Integrated Security=True;Pooling=False";
        con.Open();=
        SqlCommand cmd = new SqlCommand("delete from Student where Id = '" + TextBox1.Text +
"'", con);
        cmd.ExecuteNonQuery();
        con.Close();
    }
    protected void Button4_Click(object sender, EventArgs e)
    {
        TextBox1.Text = "";
        TextBox2.Text = "";
    }
  }
}
```

DataBase :

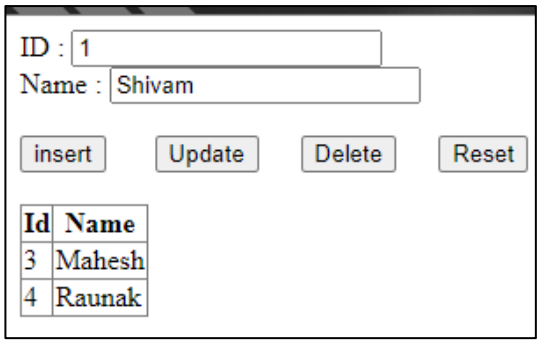




Output :

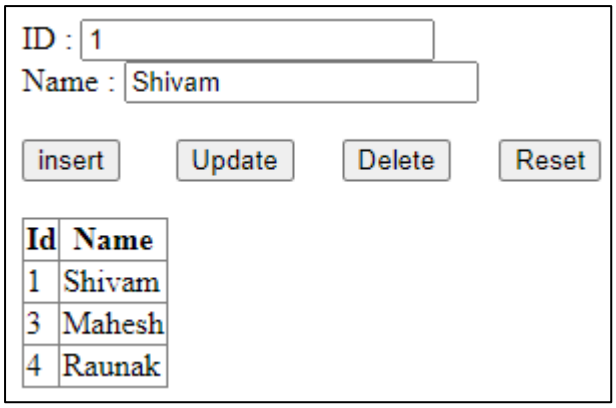


Insert command

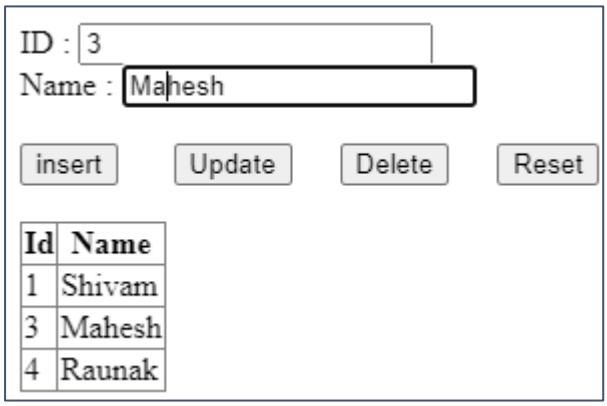


:

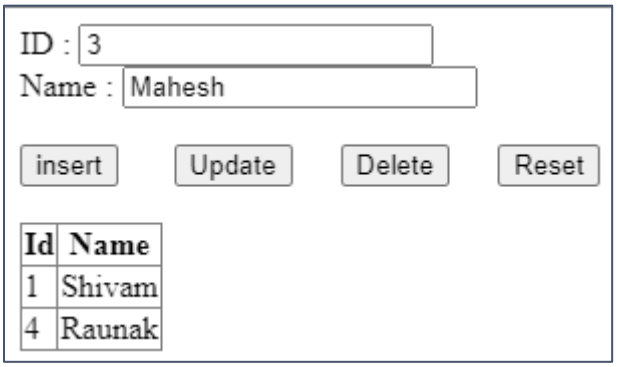
Update Command :



Delete command :



Reset command :



Practical-IX

Laxmi Charitable Trust's
Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce
Department of Information Technology (Bsc.IT Semester V)
Advanced Web Programming

Roll No:- T006	Name:- Shivam Kesharwani
Class :-TYIT	Batch :- A
Date of Assignment :- 6/10/2023	Date of Submission :- 6/10/2023

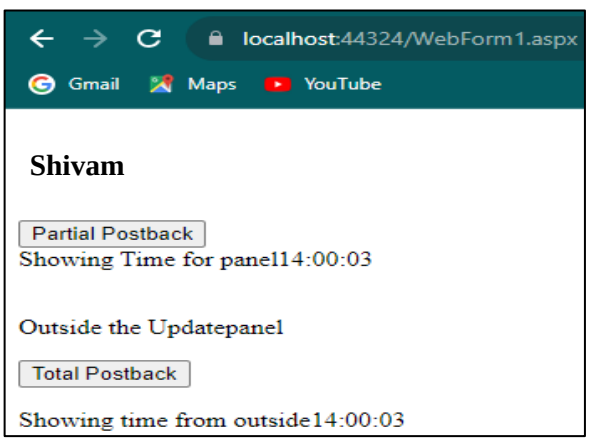
9(A) : Working with AJAX.

Code -

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 WebApplication6
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        protected void btn_partial_Click(object sender, EventArgs e)
        {
            string time = DateTime.Now.ToLongTimeString();
            lblpartial.Text = "Showing Time For Panel" + time;
            lbltotal.Text = "Showing time from outside" + time;

        }
        protected void btn_total_Click(object sender, EventArgs e)
        {
            string time = DateTime.Now.ToLongTimeString();
            lblpartial.Text = "Showing Time For Panel" + time;
            lbltotal.Text = "Showing time from outside" + time;

        }

    }
}
```

Ouput:-



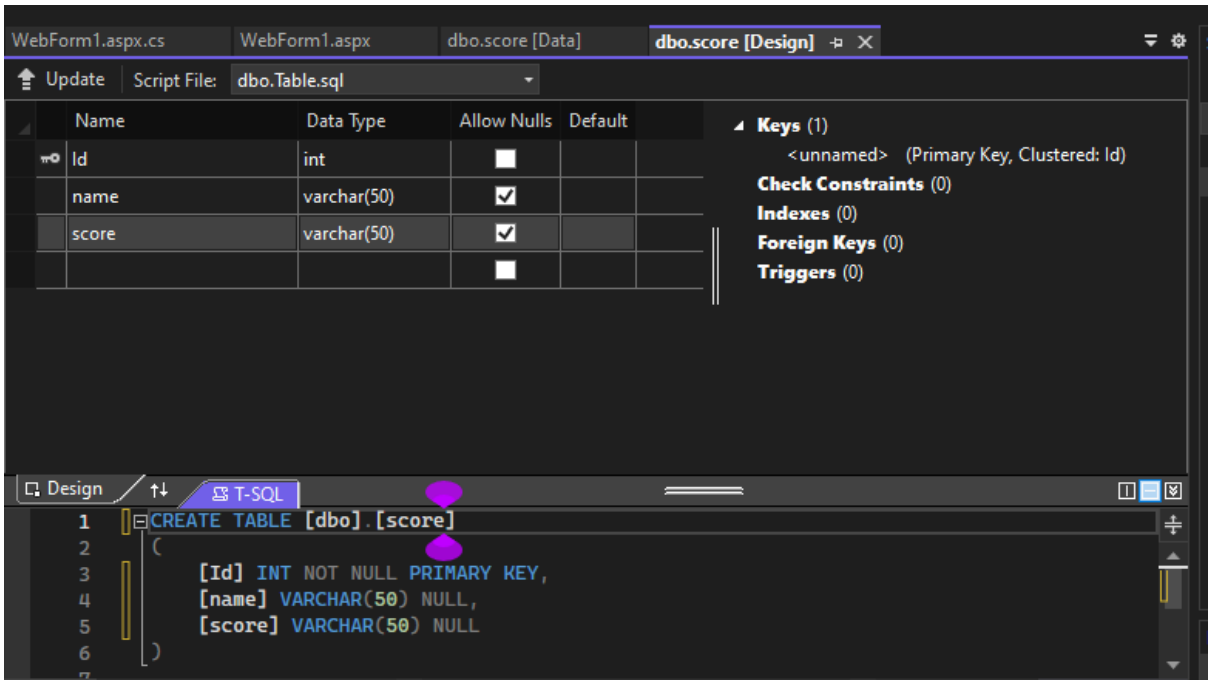
Practical-X

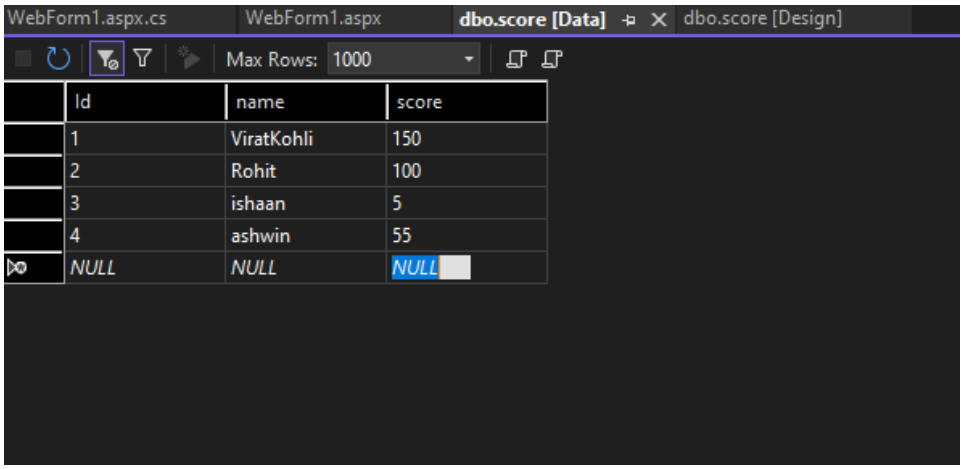
Laxmi Charitable Trust's
Sheth L.U.J College of Arts & Sir M.V. College of Science and Commerce
Department of Information Technology (Bsc.IT Semester V)
Advanced Web Programming

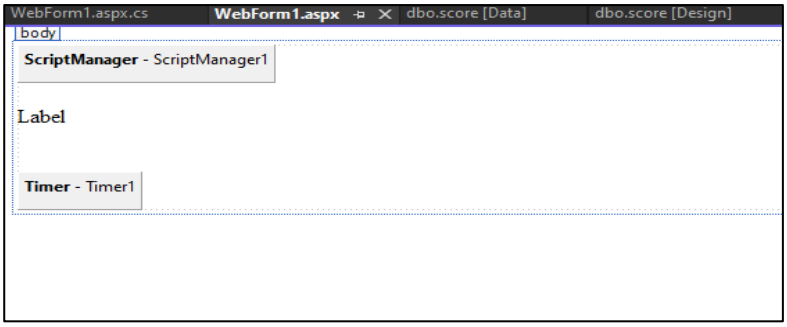
Roll No:- T006	Name:- Shivam Kesharwani
Class :-TYIT	Batch :- A
Date of Assignment :- 6/10/2023	Date of Submission :- 6/10/2023

10(A) : Create a webpage to display the onclick score from the table event (id,name,score) refresh the website automatically after every 20 second.

Dbo.score[Design]



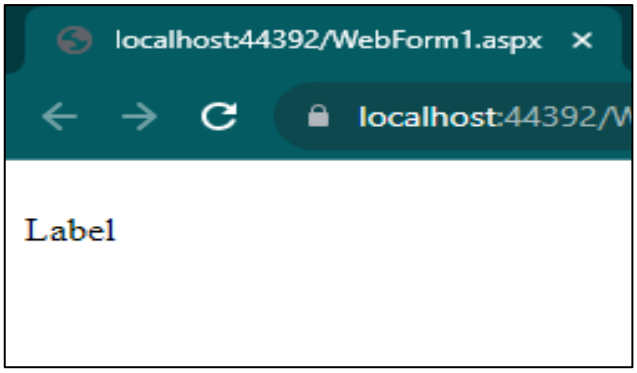


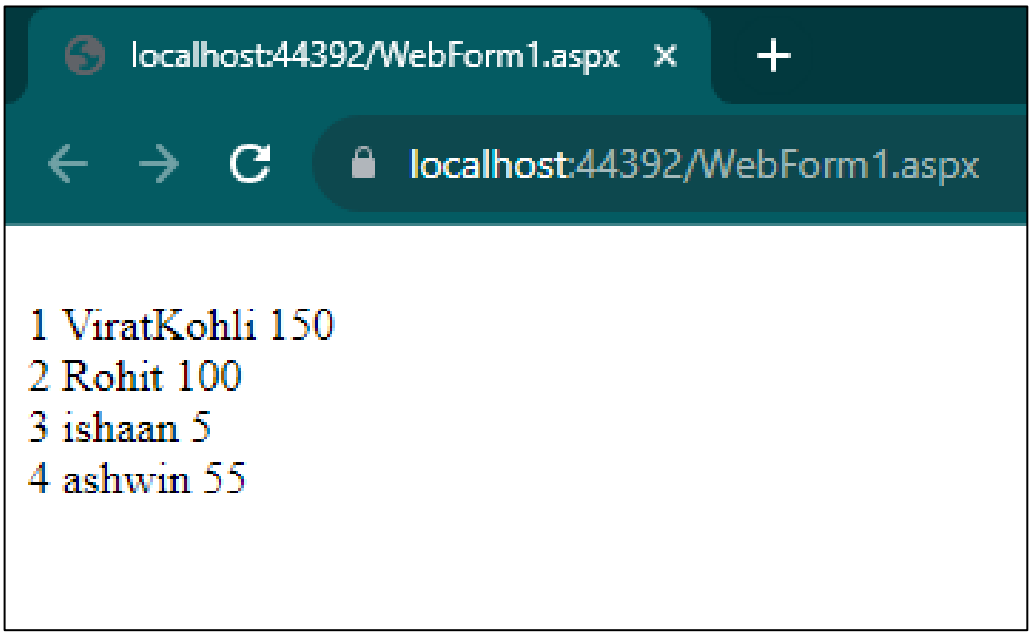


Code:-

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

namespace WebApplication9
{
   public partial class WebForm1 : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {

      }

      protected void Timer1_Tick(object sender, EventArgs e)
      {
         SqlConnection conn = new SqlConnection(@"Data Source=MVLUIT-005;Initial
Catalog=cricket;Integrated Security=True;Pooling=False");
         SqlDataReader dr = null;
         conn.Open();
         SqlCommand cmd = new SqlCommand("Select * from score", conn);
         dr = cmd.ExecuteReader();
         Label1.Text = "";
         while (dr.Read())
         {
            Label1.Text += dr[0].ToString() + " " + dr[1].ToString() + " " + dr[2].ToString() +
           "<br>";
         }
         conn.Close();
      }
   }
}
```

Output:-


localhost:44392/WebForm1.aspx
localhost:44392/W
Label


localhost:44392/WebForm1.aspx
localhost:44392/WebForm1.aspx
1 ViratKohli 150
2 Rohit 100
3 ishaan 5
4 ashwin 55