VIVEKANANDEDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY

Hashu Advani Memorial Complex, Collector's Colony, R. C. Marg, Chembur, Mumbai – 400074. Contact No. 02261532532



Since 1962

CERTIFICATE

Certified that Mr. NARENDER KESWANI [ROLL NO: 24] of FYMCA-1B has satisfactorily completed a course of the necessary experiments in MCAL24 – Advanced Web Technologies Lab under the supervision of Ms. Ruchi Rautela in the Institute of Technology in the academic year 2021- 2022.

Principal Head of Department

Lab In-charge Subject Teacher



V.E.S. Institute of Technology, Collector Colony, Chembur, Mumbai

Department of M.C.A

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AIM: Design UI based applications using basic Windows forms Controls

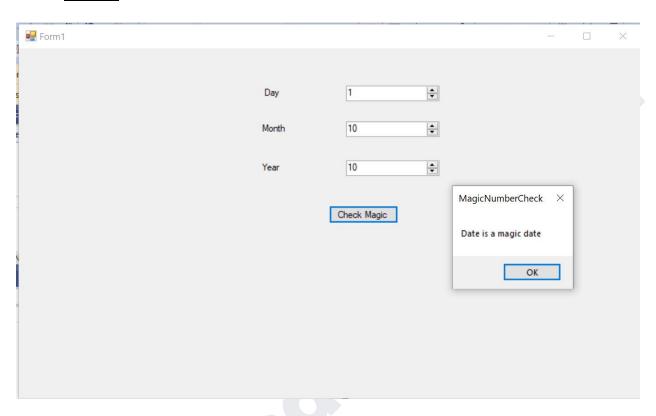
A) Write a Program in C# that ask the user to enter a month, a day and a two digit year. The program should then determine whether the month times a day is equal to the year. If so, it should display the message saying the date is magic. Otherwise not a magic.

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System. Drawing;
using System.Ling;
using System.Text;
using System. Threading. Tasks;
using System.Windows.Forms;
namespace p1MagicNumber
  public partial class Form1 : Form
    public Form1()
       InitializeComponent();
    private void button1_Click(object sender, EventArgs e)
       int month = Convert.ToInt32(numericUpDown1.Text);
       int date = Convert.ToInt32(numericUpDown2.Text);
       int year = Convert.ToInt32(numericUpDown3.Text);
       if (date * month == year)
         MessageBox.Show("Date is a magic date", "MagicNumberCheck");
       else
         MessageBox.Show("Date is not a magic date", "MagicNumberCheck");
```

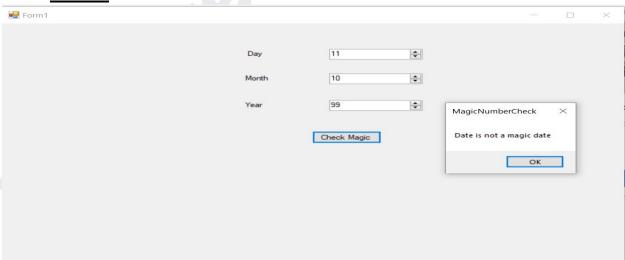
FYMCA-B AWT SEM-II PRACTICAL NO: 01 DATE: 09/05/2022 ROLL NO: 24

OUTPUT:

CASE-I:



CASE-II:



DATE: 09/05/2022 ROLL NO: 24

B) Write a Program to perform Money Conversion.

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Ling;
using System.Text;
using System. Threading. Tasks;
using System.Windows.Forms;
namespace p1MagicConversion
  public partial class Form1 : Form
    public Form1()
       InitializeComponent();
    private void button1_Click(object sender, EventArgs e)
       int amt = Convert.ToInt32(textBox1.Text);
       double value = 0;
       if (comboBox1.Text == comboBox2.Text)
         MessageBox.Show("Conversion Formats can't be same", "Money
Conversion");
       else if (comboBox1.Text == "INR" && comboBox2.Text == "USD")
         value = amt * 0.013;
       else if (comboBox1.Text == "INR" && comboBox2.Text == "EUR")
         value = amt * 0.012;
       else if (comboBox1.Text == "USD" && comboBox2.Text == "INR")
         value = amt * 77.42;
```

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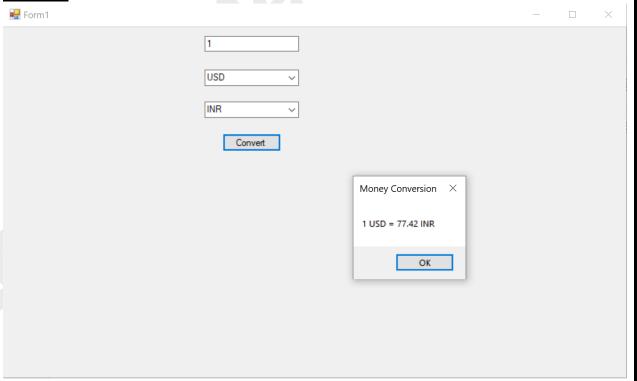
SEM-II PRACTICAL NO: 01

```
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ROLL NO: 24
```

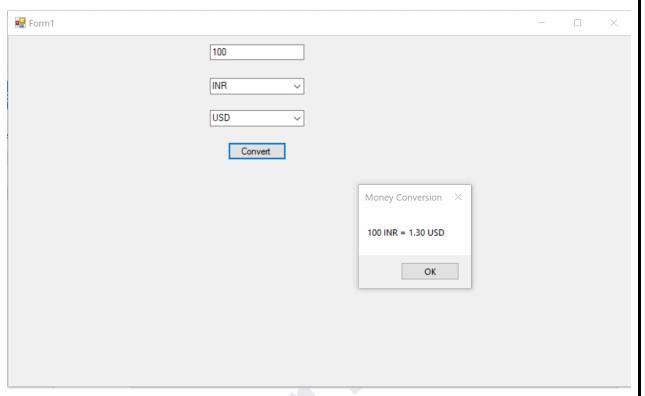
```
}
else if (comboBox1.Text == "USD" && comboBox2.Text == "EUR")
{
    value = amt * 0.95;
}
else if (comboBox1.Text == "EUR" && comboBox2.Text == "INR")
{
    value = amt * 81.96;
}
else if (comboBox1.Text == "EUR" && comboBox2.Text == "USD")
{
    value = amt * 1.05;
}

MessageBox.Show(amt + " " + comboBox1.Text + " = "+value.ToString("0.00")
+" "+ comboBox2.Text, "Money Conversion");
}
}
```

OUTPUT:



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C) To convert temperature from Fahrenheit to Celsius or vice versa.

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

namespace p1Temperature
{
    public partial class Form1 : Form
    {
        public Form1()
        {
            InitializeComponent();
        }
}
```

```
FYMCA-B
                                   SEM-II
                                                                       DATE: 09/05/2022
                            PRACTICAL NO: 01
                                                                      ROLL NO: 24
            private void button1_Click(object sender, EventArgs e)
               int temp = Int16.Parse(textBox1.Text);
               double value = 0;
               if (comboBox1.Text == "Fahrenheit")
                 value = (temp * 9 / 5) + 32;
                 MessageBox.Show(value.ToString(), "Celsius to Fahrenheit");
               }
               if (comboBox1.Text == "Celsius")
                 value = (temp - 32) * 5 / 9;
                 MessageBox.Show(value.ToString(), "Fahrenheit to Celsius");
```

OUTPUT:

AWT

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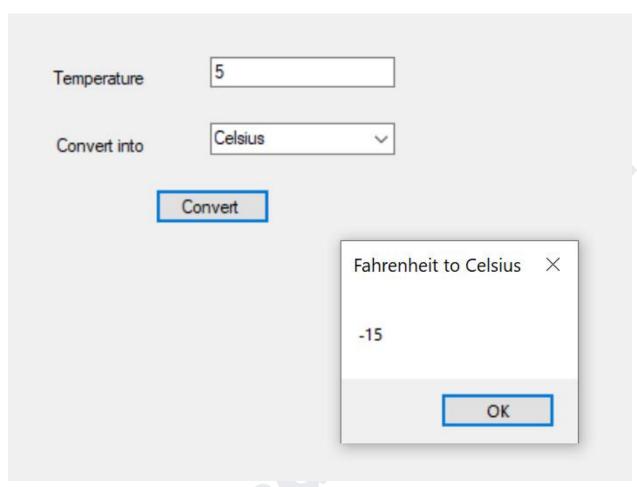
Temperature

Convert into

Celsius to Fahrenheit ×

41

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D) Create a Window application to calculate age of a person by providing input as birth date and current date. Current date and Birth date must be in long string format and display the age in terms of years

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

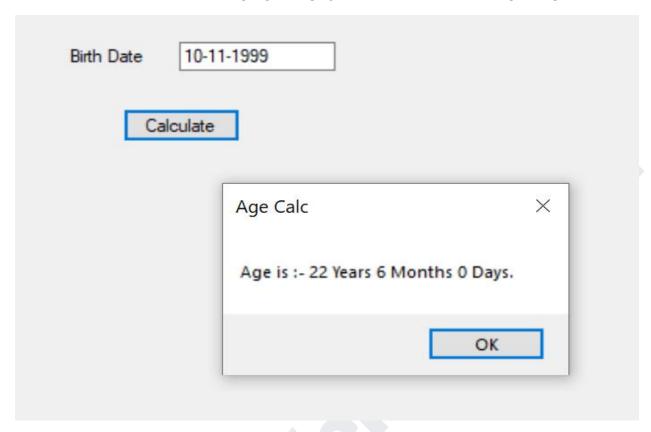
namespace p1Birthday
{
   public partial class Form1 : Form
```

```
FYMCA-B
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                                   SEM-II
                            PRACTICAL NO: 01
                                                                      ROLL NO: 24
           public Form1()
              InitializeComponent();
           }
           private void button1_Click(object sender, EventArgs e)
              string textBox2 = Convert.ToString(DateTime.Now.ToLongDateString());
              DateTime bdate = Convert.ToDateTime(textBox1.Text);
              DateTime cdate = Convert.ToDateTime(textBox2);
              int years = (cdate.Year - bdate.Year) - 1;
              int months = 12 - Math.Abs(cdate.Month - bdate.Month);
              int days = cdate.Day - bdate.Day;
              MessageBox.Show("Age is :- " + years + " Years " + months
              + " Months " + days + " Days. ", "Age Calc");
      }
```

OUTPUT:

AWT

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CONCLUSION:

From this practical, I have learned about the basics of windows forms with c#.

VESIT 10 NARENDER KESWANI

Aim: Design Applications using Classes and Objects

a) Write a program to declare a class "staff" having data members as name and post.accept this data 5 staffs and display names of staff who are HOD.

```
using System;
using System.Collections.Generic;
using System.Ling;
using System.Text;
namespace P2Staff
  class staff
     string name, post;
     public void getdata()
       Console.Write("Enter name and post:")
       name = Console.ReadLine();
       post = Console.ReadLine();
     public void display()
       Console.WriteLine(name + "\t\t" + post);
     public string getPost()
       return post;
  class Program
     static void Main(string[] args)
       staff[] objStaff = new staff[5];
       int i;
       for (i = 0; i < 5; i++)
          objStaff[i] = new staff();
          objStaff[i].getdata();
       Console.WriteLine("Name \t\t Post");
```

```
FYMCA-B
AWT
```

SEM-II PRACTICAL NO: 02

```
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ROLL NO: 24
```

```
for (i = 0; i < 5; i++)
{
      if (objStaff[i].getPost() == "HOD" || objStaff[i].getPost() == "hod")
          objStaff[i].display();
      }
      Console.ReadLine();
    }
}</pre>
```

OUTPUT:

```
ille:///c:/users/admin1/documents/visual studio 2010/Projects/P2Staff/P2Staff/bin/Debug/P2Staff.EXE

Enter name and post:narender
student
Enter name and post:shivkumar goel
hod
Enter name and post:mona deskmukh
exam
Enter name and post:vaishali ghaty
class teacher
Enter name and post:ameya parkar
mentor
Name Post
shivkumar goel hod
```

b) <u>Define a class "salary" which will contain member variables Basic, TA, DA, HRA. Write a program using Constructor with default values for DA and HRA and calculate the salary of the employee.</u>

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

namespace P2Salary
{
    class salary{
    float bsal, hra, da, ta;
    float gsal;
    public void read()
    {
        Console.WriteLine("Enter the Base Salary");
```

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```
bsal = float.Parse(Console.ReadLine());
}
public float sal()
{
   hra=20*bsal/100;
   da=10*bsal/100;
   gsal=bsal+da+hra+ta;
   return gsal;
}
}
class Program
{
   static void Main(string[] args)
   {
      salary s = new salary();
      s.read();
      Console.WriteLine("The gross salary is {0}", s.sal());
      Console.ReadLine();
   }
}
```

OUTPUT:

```
file:///c:/users/admin1/documents/visual studio 2010/Projects/P2Salary/P2Salary/bin/Debug/P2Salary.EXE

Enter the Base Salary

105.0

The gross salary is 152.25
```

CONCLUSION:

From this practical, I have learned about object-oriented programming concepts in c#.

AIM: Design Applications using Inheritance and Abstract Classes

A) Write a program to implement multilevel inheritance from the following figure. Accept and display data for one student.

```
using System;
namespace P3MultiLevelInheritance
  public class Student
    int rollno;
    string name;
    public void getStudentData()
       Console.WriteLine("Enter Roll No:");
       rollno = Int32.Parse(Console.ReadLine());
       Console.WriteLine("Enter Name:");
       name = Console.ReadLine();
    public void displayStudentData()
       Console.WriteLine("Roll No: "+ rollno);
       Console.WriteLine("Name: "+ name);
    }
  public class Test: Student
    public int marks1, marks2;
    public void getMarks()
       getStudentData();
       Console.WriteLine("Enter Marks 1:");
       marks1 = Int32.Parse(Console.ReadLine());
       Console.WriteLine("Enter Marks 2:");
       marks2 = Int32.Parse(Console.ReadLine());
    public void setMarks()
       displayStudentData();
       Console.WriteLine("Marks1: "+ marks1);
```

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```
Console.WriteLine("Marks2: "+ marks2);
     }
  }
  public class Result : Test
     int calc;
     public void getCalc()
       getMarks();
       calc = (marks1 + marks2)/2;
       setMarks();
       Console.WriteLine("Total: "+ calc);
     }
  }
  class Program
     static void Main(string[] args)
       Result r = new Result();
       r.getCalc();
       Console.ReadLine();
}
```

OUTPUT:

Marks1: 14 Marks2: 10 Total: 12

```
C:\Users\NARENDER KESWANI\source\repos\P3MultiLevelInheritance\P3MultiLevelInheritance\bin\...

Enter Roll No:
24
Enter Name:
Narender Keswani
Enter Marks 1:
14
Enter Marks 2:
10
Roll No: 24
Name: Narender Keswani
```

B) Create a Super Class Student and two subclasses of it, Graduate and UnderGraduate. The members of the Student are name, id, grade, age and address and one method: boolean method IsPassed which takes in the parameter integer grade(0-100) and return true. The two subclasses override the method, for UG its 70% for passing and for G its 80% as passing grade.

SOURCE CODE:

using System;

```
namespace P30verriding
  public class Student
    public int id, grade, age;
    public string name, address;
    public void getData()
      Console.WriteLine("Enter ID:");
      id = Int32.Parse(Console.ReadLine());
      Console.WriteLine("Enter Name:");
      name = Console.ReadLine();
      Console.WriteLine("Enter age:");
      age = Int32.Parse(Console.ReadLine());
      Console.WriteLine("Enter address:");
      address = Console.ReadLine();
      Console.WriteLine("Enter Grade:");
      grade = Int32.Parse(Console.ReadLine());
    }
    public void displayData()
      Console.WriteLine("ID: " + id);
      Console.WriteLine("Name: "+ name);
      Console.WriteLine("Age: "+ age);
      Console.WriteLine("Address: "+ address);
      Console.WriteLine("Grade: " + grade);
    public virtual Boolean IsPassed()
      return true;
  public class Graduate: Student
```

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```
public override bool IsPassed()
      if (grade >= 80 && grade <= 100)
         return true;
      else
         return false;
    }
  public class Undergraduate : Student
  public override bool IsPassed()
    if (grade >= 70 && grade <= 100)
      return true;
    else
      return false;
class Program
  {
    static void Main(string[] args)
      Graduate g = new Graduate();
      g.getData();
      g.displayData();
      g.IsPassed();
      if (g.IsPassed() == true)
         Console.WriteLine("Passed in Graduation.");
      else
```

}

SEM-II PRACTICAL NO: 03

DATE: 17/05/2022 ROLL NO: 24

```
Console.WriteLine("Failed in Graduation.");
}

Undergraduate ug = new Undergraduate();
ug.getData();
ug.displayData();
ug.lsPassed();

if (ug.lsPassed() == true)
{
    Console.WriteLine("Passed in UnderGraduation.");
}
else
{
    Console.WriteLine("Failed in UnderGraduation.");
}

Console.ReadLine();
}
```

OUTPUT:

C:\Users\NARENDER KESWANI\source\repos\P3Overriding\P3C

```
Narender Keswani
Enter age:
21
Enter address:
Ulhasnagar
Enter Grade:
82
ID: 1
Name: Narender Keswani
Age: 21
Address: Ulhasnagar
Grade: 82
Passed in Graduation.
Enter ID:
02
Enter Name:
Neel Deshmukh
Enter age:
66
Enter address:
nallasoapara
Enter Grade:
79
ID: 2
Name: Neel Deshmukh
Age: 66
Address: nallasoapara
Grade: 79
Passed in UnderGraduation.
```

C) Program to calculate To find the area of various shapes: Rectangle, Circle, Ellipse, Square and Triangle using abstract class and abstract method.

```
using System;
namespace P3Abstract {
```

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```
public abstract class Shape
{
  public double area;
  public abstract void Area();
  public void displayData()
    Console.WriteLine("Area is: " + area);
public class Rectangle: Shape
  public double len, breadth;
  public void getData()
    Console.WriteLine("Enter length of Rectangle");
    len = Double.Parse(Console.ReadLine());
    Console.WriteLine("Enter breadth of Rectangle");
    breadth = Double.Parse(Console.ReadLine());
  public override void Area()
    getData();
    area = len * breadth;
    displayData();
}
public class Circle: Shape
{
  public double r;
  public void getData()
    Console.WriteLine("Enter radius of Circle");
    r = Double.Parse(Console.ReadLine());
  public override void Area()
    getData();
    area = 3.14 * r * r;
    displayData();
public class Ellipse: Shape
```

```
public double a,b;
  public void getData()
    Console.WriteLine("Enter a axis of Ellipse");
    a = Double.Parse(Console.ReadLine());
    Console.WriteLine("Enter b axis of Ellipse");
    b = Double.Parse(Console.ReadLine());
  public override void Area()
    getData();
    area = 3.14 * a * b;
    displayData();
}
public class Square: Shape
  public double s;
  public void getData()
    Console.WriteLine("Enter side of Square");
    s = Double.Parse(Console.ReadLine());
  public override void Area()
    getData();
    area = s * s;
    displayData();
}
public class Triangle: Shape
  public double h, b;
  public void getData()
    Console.WriteLine("Enter height of Triangle");
    h = Double.Parse(Console.ReadLine());
    Console.WriteLine("Enter breadth of Triangle");
    b = Double.Parse(Console.ReadLine());
  public override void Area()
    getData();
    area = 0.5 * h * b;
    displayData();
```

```
FYMCA-B SEM-II DATE: 17/05/2022
AWT PRACTICAL NO: 03 ROLL NO: 24
```

```
}
class Program
{
    static void Main(string[] args)
    {
        Rectangle r = new Rectangle();
        r.Area();
        Circle c = new Circle();
        c.Area();
        Ellipse e = new Ellipse();
        e.Area();
        Square s = new Square();
        s.Area();
        Triangle t = new Triangle();
        t.Area();
        Console.ReadLine();
    }
}
```

OUTPUT:

SEM-II PRACTICAL NO: 03 DATE: 17/05/2022 ROLL NO: 24

C:\Users\NARENDER KESWANI\source\repos\P3Abstract\I

Enter length of Rectangle
10
Enter breadth of Rectangle
20
Area is: 200
Enter radius of Circle
5
Area is: 78.5
Enter a axis of Ellipse
5
Enter b axis of Ellipse
6
Area is: 94.2
Enter side of Square
9
Area is: 81
Enter height of Triangle
14
Enter breadth of Triangle
6

CONCLUSION:

Area is: 42

From this practical, I have learned about types of inheritance and overriding in C#.

FYMCA-B SEM-II DATE:23/05/2022 AWT PRACTICAL NO: 04 ROLL NO: 24

AIM: DESIGN A WEB APPLICATION FOR AN ORGANIZATION WITH REGISTRATION FORMS AND ADVANCED CONTROLS

A) Design online registration form for the participation of technical events (use HTML Controls, validation controls) and display all the data on the other page. Also design a layout using Master Page.

SOURCE CODE:

```
Site.master:
<%@ Master Language="C#" AutoEventWireup="true" CodeFile="Site.master.cs"</p>
Inherits="SiteMaster" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<a href="http://www.w3.org/1999/xhtml" xml:lang="en">
<head runat="server">
  <title></title>
  k href="~/Styles/Site.css" rel="stylesheet" type="text/css"
  k href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
    rel="stylesheet" integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
    crossorigin="anonymous" />
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
MrcW6ZMFYlzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtlaxVXM"
    crossorigin="anonymous"></script>
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
    integrity="sha384-
IQsoLXI5PILFhosVNubq5LC7Qb9DXgDA9i+tQ8Zj3iwWAwPtgFTxbJ8NT4GN1R8p"
    crossorigin="anonymous"></script>
  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"</pre>
    integrity="sha384-
cVKIPhGWiC2Al4u+LWgxfKTRlcfu0JTxR+EQDz/bgldoEyl4H0zUF0QKbrJ0EcQF"
    crossorigin="anonymous"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.2/angular.min.js"</p>
integrity="sha512-
7oYXeK0OxTFxndh0erL8FsjGvrl2VMDor6fVqzlLGfwOQQqTbYsGPv4ZZ15QHfSk80doyaM0ZJdv
kyDcVO7KFA==" crossorigin="anonymous" referrerpolicy="no-referrer"></script>
 <asp:ContentPlaceHolder ID="HeadContent" runat="server">
  </asp:ContentPlaceHolder>
</head>
<body>
  <form id="Form1" runat="server" method="post">
    <div class="container" style="padding: 25px">
      <div style="font-weight: bold; margin-block-end: 10px; text-align: center; border-</p>
style: solid">
        <h1>SMART INDIA HACKATHON 2022
        </h1>
```

VESIT 1 NARENDER KESWANI

```
</div>
      <div style="float: left; width: 22%; height: auto; border-style: solid; margin-block-
start: 15px; padding: 10px; margin-left: 10px; margin-right: 5px">
        <asp:Menu ID="NavigationMenu" runat="server" CssClass="menu"
EnableViewState="false" IncludeStyleBlock="false" Orientation="Vertical">
          <Items>
            <asp:MenuItem NavigateUrl="~/Default.aspx" Text="Home" />
            <asp:MenuItem NavigateUrl="~/About.aspx" Text="About" />
          </ltems>
        </asp:Menu>
      </div>
      <div style="float: left; width: 73%; border-style: solid; margin-block-start: 15px;</p>
margin-left: 5px; padding: 10px; margin-block-end: 10px">
        <asp:ContentPlaceHolder ID="MainContent" runat="server" />
      </div>
      Copyright 2022, Developed by Narender Keswani
      </div>
  </form>
</body>
</html>
Default.aspx:
«@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.master"
AutoEventWireup="true"
  CodeFile="Default.aspx.cs" Inherits="_Default" %>
<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
  <div class="mb-3">
    <label for="exampleFormControlInput1" class="form-label">Email address</label>
    <asp:TextBox ID="email" runat="server" CssClass="form-control" placeholder="Enter</p>
your email"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator1"
      runat="server" ErrorMessage="Please enter your email"
      ControlToValidate="email"></asp:RequiredFieldValidator>
    <asp:RegularExpressionValidator
      ID="regEmail"
      ControlToValidate="email"
      Text="Enter valid email id"
      ValidationExpression="w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-.]\w+)*"
      runat="server" />
  </div>
  <div class="mb-3">
    <label for="exampleFormControlInput1" class="form-label">Select College:</label>
    <asp:DropDownList ID="college" runat="server" CssClass="form-select">
```

VESIT 2 NARENDER KESWANI

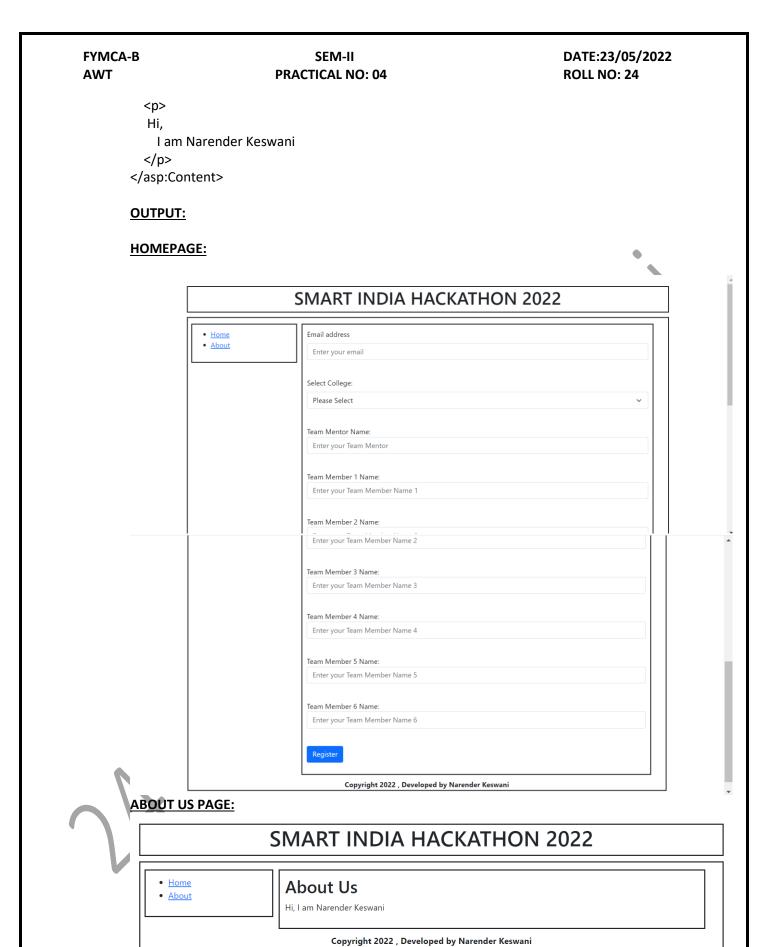
```
<asp:ListItem Value="">Please Select</asp:ListItem>
      <asp:ListItem>JHC </asp:ListItem>
      <asp:ListItem>SPIT</asp:ListItem>
      <asp:ListItem>VESIT</asp:ListItem>
    </asp:DropDownList>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator9"
      runat="server" ErrorMessage="Please select your college"
      ControlToValidate="college"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Mentor Name:</label>
    <asp:TextBox ID="tmn" runat="server" CssClass="form-control" placeholder="Enter
your Team Mentor"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator2"
      runat="server" ErrorMessage="Please enter team mentor name
      ControlToValidate="tmn"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Member 1 Name:</label>
    <asp:TextBox ID="tm1" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 1"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator3"
      runat="server" ErrorMessage="Please enter team member name 1"
      ControlToValidate="tm1"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Member 2 Name:</label>
    <asp:TextBox ID="tm2" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 2"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator4"
      runat="server" ErrorMessage="Please enter team member name 2"
      ControlToValidate="tm2"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Member 3 Name:</label>
    <asp:TextBox ID="tm3" runat="server" CssClass="form-control" placeholder="Enter</p>
 our Team Member Name 3"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator5"
      runat="server" ErrorMessage="Please enter team member name 3"
      ControlToValidate="tm3"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Member 4 Name:</label>
    <asp:TextBox ID="tm4" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 4"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator6"
```

```
runat="server" ErrorMessage="Please enter team member name 4"
      ControlToValidate="tm4"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Member 5 Name:</label>
    <asp:TextBox ID="tm5" runat="server" CssClass="form-control" placeholder="Enter</pre>
your Team Member Name 5"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator7"
      runat="server" ErrorMessage="Please enter team member name 5"
      ControlToValidate="tm5"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <label>Team Member 6 Name:</label>
    <asp:TextBox ID="tm6" runat="server" CssClass="form-control" placeholder="Enter
your Team Member Name 6"></asp:TextBox>
    <asp:RequiredFieldValidator ID="RequiredFieldValidator8"
      runat="server" ErrorMessage="Please enter team member name 6"
      ControlToValidate="tm6"></asp:RequiredFieldValidator>
  </div>
  <div class="mb-3">
    <asp:Button ID="Button1" runat="server" Text="Register" CssClass="btn btn-primary"
PostBackUrl="~/Default2.aspx"/>
  </div>
</asp:Content>
Default2.aspx:
<%@ Page Language="C#" AutoEventWireup="true" MasterPageFile="~/Site.master"</p>
CodeFile="Default2.aspx.cs" Inherits="Default2" %>
<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
<asp:Label ID="Smsg" runat="server" Text="" CssClass="form-control"></asp:Label><br/>
<asp:Label ID="Semail" runat="server" Text="" CssClass="form-control"></asp:Label><br/>
<asp:Label ID="Stm" runat="server" Text="" CssClass="form-control"></asp:Label><br />
 <asp:Label ID="Scollege" runat="server" Text="" CssClass="form-control"></asp:Label><br/>br
<asp:Label ID="Stm1" runat="server" Text="" CssClass="form-control"></asp:Label><br/>>
<asp:Label ID="Stm2" runat="server" Text="" CssClass="form-control"></asp:Label><br/>>
<asp:Label ID="Stm3" runat="server" Text="" CssClass="form-control"></asp:Label><br />
<asp:Label ID="Stm4" runat="server" Text="" CssClass="form-control"></asp:Label><br />
<asp:Label ID="Stm5" runat="server" Text="" CssClass="form-control"></asp:Label><br/>
<asp:Label ID="Stm6" runat="server" Text="" CssClass="form-control"></asp:Label><br/>
</div>
</asp:Content>
```

VESIT 4 NARENDER KESWANI

```
Default2.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class Default2: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
    if (PreviousPage != null)
      ContentPlaceHolder placeHolder =
(ContentPlaceHolder)PreviousPage.Master.FindControl("MainContent")
      TextBox email = (TextBox)placeHolder.FindControl("email");
      Smsg.Text = "<h3 style='color:green;'> You are successfully registered for SIH 2022
with following details: </h3>";
      Semail.Text = "<b>Email:-</b>" + email.Text + "</b>";
      DropDownList college = (DropDownList)placeHolder.FindControl("college");
      Scollege.Text = "<b>College :- </b>" + college.Text + "</b>";
      TextBox tm = (TextBox)placeHolder.FindControl("tmn");
      Stm.Text = "<b>Team Mentor: </b>" + tm.Text + "</b>";
      TextBox tm1 = (TextBox)placeHolder.FindControl("tm1");
      Stm1.Text = "<b>Team Member 1: </b>" + tm1.Text + "</b>";
      TextBox tm2 = (TextBox)placeHolder.FindControl("tm2");
      Stm2.Text = "<b>Team Member 2: </b>" + tm2.Text + "</b>";
      TextBox tm3 = (TextBox)placeHolder.FindControl("tm3");
      Stm3.Text = "<b>Team Member 3: </b>" + tm3.Text + "</b>";
      TextBox tm4 = (TextBox)placeHolder.FindControl("tm4");
      Stm4.Text = "<b>Team Member 4: </b>" + tm4.Text + "</b>";
      TextBox tm5 = (TextBox)placeHolder.FindControl("tm5");
      Stm5.Text = "<b>Team Member 5: </b>" + tm5.Text + "</b>";
      TextBox tm6 = (TextBox)placeHolder.FindControl("tm6");
      Stm6.Text = "<b>Team Member 6: </b>" + tm6.Text + "</b>";
<%@ Page Title="About Us" Language="C#" MasterPageFile="~/Site.master"</p>
AutoEventWireup="true"
  CodeFile="About.aspx.cs" Inherits="About" %>
<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
  <h2>
    About Us
  </h2>
```

VESIT 5 NARENDER KESWANI



VESIT 6 NARENDER KESWANI

FYMCA-B SEM-II
AWT PRACTICAL NO: 04

DATE:23/05/2022 ROLL NO: 24

VALIDATION:

Email address Enter your email Please enter your email Select College: Please Select Please select your college Team Mentor Name: Enter your Team Mentor Please enter team mentor name Team Member 1 Name: Enter your Team Member Name 1 Please enter team member name 1 Team Member 2 Name: Enter your Team Member Name 2 Please enter team member name 2 Team Member 3 Name: Enter your Team Member Name 3 Please enter team member name 3 Team Member 4 Name: Enter your Team Member Name 4 Please enter team member name 4 Team Member 5 Name: Enter your Team Member Name 5 Please enter team member name 5 Team Member 6 Name: Enter your Team Member Name 6 Please enter team member name 6

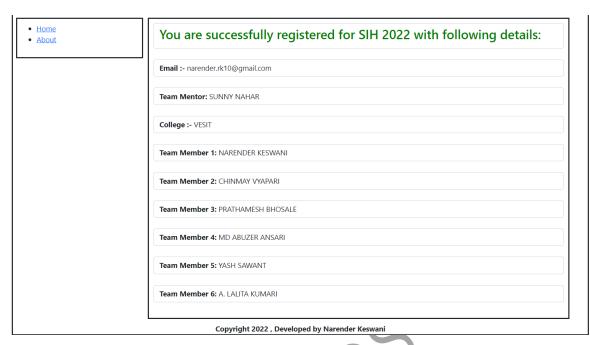
FORM FILLING:



Showing data on next page:

VESIT 7 NARENDER KESWANI

FYMCA-B SEM-II DATE:23/05/2022 AWT PRACTICAL NO: 04 ROLL NO: 24



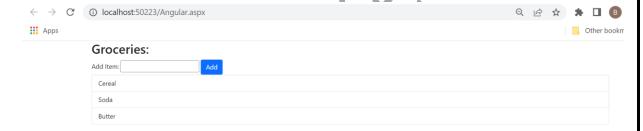
B) Build a simple angular web application.

```
«@ Page Language="C#" AutoEventWireup="true" CodeFile="Angular.aspx.cs"
Inherits="Angular" %>
<!DOCTYPE html>
<html>
<head>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.8.2/angular.min.js"</pre>
    integrity="sha512-
7oYXeK0OxTFxndh0erL8FsjGvrl2VMDor6fVqzlLGfwOQQqTbYsGPv4ZZ15QHfSk80doyaM0ZJdv
kyDcVO7KFA=="
    crossorigin="anonymous" referrerpolicy="no-referrer"></script>
  link href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
   rel="stylesheet"
    integrity="sha384-
EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"
    crossorigin="anonymous">
    src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"
    integrity="sha384-
MrcW6ZMFYlzcLA8NI+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtlaxVXM"
    crossorigin="anonymous"></script>
</head>
<body ng-app="myApp">
    <div class="container" ng-controller="groceryCtrl">
      <h2>Groceries:</h2>
      Add Item:
      <input type="text" ng-model="addGrocery" />
      <button class="btn btn-primary" ng-click="addItem()">Add</button>
```

FYMCA-B SEM-II DATE:23/05/2022 AWT PRACTICAL NO: 04 ROLL NO: 24

```
{{ g }} 
     </div>
 </div>
 <script type="text/javascript">
   angular.module('myApp', [])
     .controller('groceryCtrl', function GroceryController($scope) {
      $scope.Groceries = [];
      $scope.addItem = function () {
        $scope.Groceries.push($scope.addGrocery);
        $scope.addGrocery = "";
      }
     });
 </script>
</body>
</html>
```

OUTPUT:



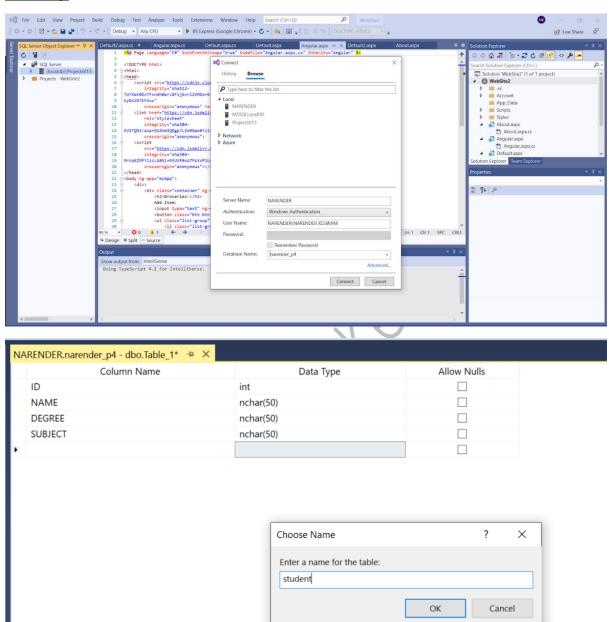
CONCLUSION:

From this practical, I have learned how to create web application in asp.net.

VESIT 9 NARENDER KESWANI

AIM: Design a web page to demonstrate a connection oriented architecture & disconnected architecture.

DB Config:



WebConfig:

VESIT 1 NARENDER KESWANI

A) <u>Design a web page to demonstrate a connection oriented architecture. Fetch Student</u> details from database such as Roll_no, Name, Program(eg. MCA), Course(eg. AWT), etc.

SOURCE CODE:

}

```
ConnectedDb.aspx:
```

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="ConnectedDB.aspx.cs"</p>
Inherits="ConnectedDB" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server"></head>
<body>
  <form id="form1" runat="server">
    <div class="container">
      <h2>Display Data using Connected Architecture</h2>
      <asp:GridView ID="GridView1" runat="server"></asp:GridView>
    </div>
  </form>
</body>
</html>
ConnectedDb.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.Configuration;
public partial class ConnectedDB: System.Web.UI.Page
  protected void Page Load(object sender, EventArgs e)
    string connStr=
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
    SqlConnection con = new SqlConnection(connStr);
      SqlCommand query = new SqlCommand(" select * from student ", con);
      con.Open();
      SqlDataReader rdr = query.ExecuteReader();
      GridView1.DataSource = rdr;
      GridView1.DataBind();
 }
```

VESIT 2 NARENDER KESWANI

DATE:31/05/2022 ROLL NO: 24

OUTPUT:



Display Data using Connected Architecture

ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel	Bvoc	JS
3	Parnot	Btech	JAVA

B) <u>Design a web page to demonstrate a disconnected architecture. Fetch Student details from database such as Roll no, Name, Program(eg. MCA), Course(eg. AWT), etc.</u>

SOURCE CODE:

UnConnectedDb.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="UnConnectedDB.aspx.cs"</p>
Inherits="UnConnectedDB" %>
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
</head>
<body>
  <form id="form1" runat="server">
    <div class="container">
      <h2>Display Data using Disconnected Architecture</h2>
      <asp:GridView ID="GridView1" runat="server"></asp:GridView>
    </div>
  </form>
</body>
</html>
UnConnectedDb.aspx.cs:
```

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

VESIT 3 NARENDER KESWANI

FYMCA-B SEM-II DATE:31/05/2022 AWT PRACTICAL NO: 05 ROLL NO: 24

```
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
public partial class UnConnectedDB: System.Web.UI.Page
  protected void Page Load(object sender, EventArgs e)
    string connStr =
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
    SqlConnection conn = new SqlConnection(connStr);
      string query = "Select * from Student";
      SqlDataAdapter da = new SqlDataAdapter(query, conn);
      DataSet ds = new DataSet();
      da.Fill(ds);
      GridView1.DataSource = ds;
      GridView1.DataBind();
    }
  }
}
```

OUTPUT:



Display Data using Disconnected Architecture

ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel	Bvoc	JS
3	Parnot	Btech	JAVA

CONCLUSION:

From this practical, I have learned how to connect asp.net with database, also learned about connected and disconnected architecture.

VESIT 4 NARENDER KESWANI

AIM: DEMONSTRATE USAGE OF DATA BOUND CONTROLS, SIMPLE STORED PROCEDURE AND PARAMETERIZED STORED PROCEDURES IN ASP.NET

WebConfig:

<add name="ApplicationServices" connectionString="server=.; database=narender_p4;
Trusted_Connection=Yes;" providerName="System.Data.SqlClient"/>

DATABASE:

	ID	NAME	DEGREE	SUBJECT	
	1	Narender	 MCA	 AWT	
	2	Neel	 Bvoc	 JS	
ı	3	Parnot	 Btech	 JAVA	

A) Create a web page that demonstrates the use of data bound controls of ASP.NET.

SOURCE CODE:

DataBound.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="DataBound.aspx.cs"</p>
Inherits="DataBound" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
  <h2>Display Data using Connected Architecture</h2>
  <asp:GridView ID="GridView1" runat="server" AutoGenerateColumns="False"
CellPadding="6" OnRowCancelingEdit="GridView1 RowCancelingEdit"
OnRowEditing="GridView1 RowEditing" OnRowUpdating="GridView1 RowUpdating">
     <Columns>
        <asp:TemplateField>
          <ItemTemplate>
            <asp:Button ID="btn_Edit" runat="server" Text="Edit" CommandName="Edit"
/>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:Button ID="btn Update" runat="server" Text="Update"
CommandName="Update"/>
            <asp:Button ID="btn Cancel" runat="server" Text="Cancel"
CommandName="Cancel"/>
          </EditItemTemplate>
```

VESIT 1 NARENDER KESWANI

```
</asp:TemplateField>
        <asp:TemplateField HeaderText="ID">
          <ItemTemplate>
            <asp:Label ID="lbl_ID" runat="server" Text='<%#Eval("ID") %>'></asp:Label>
          </ltemTemplate>
        </asp:TemplateField>
        <asp:TemplateField HeaderText="NAME">
          <ItemTemplate>
            <asp:Label ID="lbl_Name" runat="server" Text='<%#Eval("NAME")
%>'></asp:Label>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:TextBox ID="txt_Name" runat="server" Text='<%#Eval("NAME")
%>'></asp:TextBox>
          </EditItemTemplate>
        </asp:TemplateField>
        <asp:TemplateField HeaderText="COURSE">
          <ItemTemplate>
            <asp:Label ID="lbl_Course" runat="server" Text='<%#Eval("DEGREE")
%>'></asp:Label>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:TextBox ID="txt_Course" runat="server" Text='<%#Eval("DEGREE")</pre>
%>'></asp:TextBox>
          </EditItemTemplate>
        </asp:TemplateField>
        <asp:TemplateField HeaderText="SUBJECT">
          <ItemTemplate>
            <asp:Label ID="lbl Subject" runat="server" Text='<%#Eval("SUBJECT")
%>'></asp:Label>
          </ltemTemplate>
          <EditItemTemplate>
            <asp:TextBox ID="txt_Subject" runat="server" Text='<%#Eval("SUBJECT")
%>'></asp:TextBox>
          </EditItemTemplate>
        </asp:TemplateField>
      </Columns>
      <HeaderStyle BackColor="#663300" ForeColor="#ffffff"/>
      <RowStyle BackColor="#e7ceb6"/>
    </asp:GridView>
  </div>
  </form>
</body>
</html>
DataBound.aspx.cs:
using System;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
```

```
DATE:14/05/2022
ROLL NO: 24
```

```
public partial class DataBound: System.Web.UI.Page
 //Connection String from web.config File
  string cs =
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
  SalConnection con;
  SqlDataAdapter adapt;
  DataTable dt;
  protected void Page_Load(object sender, EventArgs e)
    if(!IsPostBack)
      ShowData();
  //ShowData method for Displaying Data in Gridview
  protected void ShowData()
 {
    dt = new DataTable();
    con = new SqlConnection(cs);
    con.Open();
    adapt = new SqlDataAdapter("Select ID,NAME,DEGREE,SUBJECT from student",con);
    adapt.Fill(dt);
    if(dt.Rows.Count>0)
      GridView1.DataSource = dt;
      GridView1.DataBind();
    con.Close();
  }
  protected void GridView1_RowEditing(object sender,
System.Web.UI.WebControls.GridViewEditEventArgs e)
    //NewEditIndex property used to determine the index of the row being edited.
    GridView1.EditIndex = e.NewEditIndex;
    ShowData();
  protected void GridView1 RowUpdating(object sender,
System.Web.UI.WebControls.GridViewUpdateEventArgs e)
 {
    //Finding the controls from Gridview for the row which is going to update
    Label id=GridView1.Rows[e.RowIndex].FindControl("lbl ID") as Label;
    TextBox name = GridView1.Rows[e.RowIndex].FindControl("txt_NAME") as TextBox;
    TextBox course = GridView1.Rows[e.RowIndex].FindControl("txt_COURSE") as TextBox;
    TextBox subject = GridView1.Rows[e.RowIndex].FindControl("txt_SUBJECT") as TextBox;
    con = new SqlConnection(cs);
    con.Open();
    //updating the record
```

```
SqlCommand cmd = new SqlCommand("Update student set
NAME=""+name.Text+"",DEGREE=""+course.Text+"",SUBJECT=""+subject.Text+"" where
ID="+Convert.ToInt32(id.Text),con);
    cmd.ExecuteNonQuery();
    con.Close();
    //Setting the EditIndex property to -1 to cancel the Edit mode in Gridview
    GridView1.EditIndex = -1;
    //Call ShowData method for displaying updated data
    ShowData();
  protected void GridView1_RowCancelingEdit(object sender,
System.Web.UI.WebControls.GridViewCancelEditEventArgs e)
    //Setting the EditIndex property to -1 to cancel the Edit mode in Gridview
    GridView1.EditIndex = -1;
    ShowData();
 }
}
```

OUTPUT:

BEFORE EDITING:

Display Data using Connected Architecture

	ID	NAME	COURSE	SUBJECT
Edit	1	Narender	MCA	AWT
Edit	2	Neel	Bvoc	JS
Edit	3	Parnot	Btech	JAVA

EDITING:

Display Data using Connected Architecture

	ID	NAME	COURSE	SUBJECT
Edit	1	Narender	MCA	AWT
Update Cancel	2	Neel Deshmukh	Bvoc SD	JS
Edit	3	Parnot	Btech	JAVA

AFTER EDITING:

VESIT 4 NARENDER KESWANI

Display Data using Connected Architecture

DATE:14/05/2022

ROLL NO: 24

	ID	NAME	COURSE	SUBJECT
Edit	1	Narender	MCA	AWT
Edit	2	Neel Deshmukh	Bvoc SD	JS
Edit	3	Parnot	Btech	JAVA

B) Design a web page to demonstrate the working of a simple stored procedure.

DATABASE:

```
CREATE OR ALTER PROCEDURE simpleStudentProcedureByNarender AS select * from narender_p4.dbo.student GO;
```

SOURCE CODE:

StoredProcedure.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="StoredProcedure.aspx.cs"</p>
Inherits="StoredProcedure" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
   <asp:GridView ID="GridView1" runat="server">
    </asp:GridView>
  </div>
  </form>
</body>
</html>
```

VESIT 5 NARENDER KESWANI

FYMCA-B SEM-II DATE:14/05/2022 AWT PRACTICAL NO: 06 ROLL NO: 24

StoredProcedure.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.Configuration;
public partial class StoredProcedure: System.Web.UI.Page
  string cs =
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
  SqlConnection con;
  protected void Page_Load(object sender, EventArgs e)
    con = new SqlConnection(cs);
    con.Open();
    System.Data.SqlClient.SqlCommand objCmd = new
System.Data.SqlClient.SqlCommand("simpleStudentProcedureByNarender", con);
  objCmd.CommandType = System.Data.CommandType.StoredProcedure;
  GridView1.DataSource = objCmd.ExecuteReader();
  GridView1.DataBind();
  con.Close();
}
```

OUTPUT:

ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel Deshmukh	Bvoc SD	JS
3	Parnot	Btech	JAVA

VESIT 6 NARENDER KESWANI

FYMCA-B SEM-II DATE:14/05/2022 AWT PRACTICAL NO: 06 ROLL NO: 24

C) Design a web page to demonstrate the working of parameterized stored procedure.

DATABASE:

```
CREATE OR ALTER PROCEDURE paramStudentProcedureByNarender(
@ID INT, @NAME NVARCHAR(50), @DEGREE NVARCHAR(50), @SUBJECT NVARCHAR(50))
AS
BEGIN
INSERT INTO student( [ID], [NAME], [DEGREE], [SUBJECT])
VALUES ( @ID, @NAME, @DEGREE, @SUBJECT )
END
```

SOURCE CODE:

ParameterSP.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="ParameterSP.aspx.cs"</p>
Inherits="ParameterSP" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="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="ID"></asp:Label>
        <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br /><br />
        <asp:Label ID="Label2" runat="server" Text="NAME"></asp:Label>
        <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br /><br />
        <asp:Label ID="Label3" runat="server" Text="DEGREE"></asp:Label>
        <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br /><br />
        <asp:Label ID="Label4" runat="server" Text="SUBJECT"></asp:Label>
        <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox><br /><br />
        <asp:Button ID="Button1" runat="server" Text="Submit Record"
OnClick="Button1_Click" />
```

VESIT 7 NARENDER KESWANI

```
<asp:Label ID="lblResult" runat="server" Text=""></asp:Label>
  </div>
  </form>
</body>
</html>
ParameterSP.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.Configuration;
public partial class ParameterSP: System.Web.UI.Page
{
ConfigurationManager.ConnectionStrings["ApplicationServices"].ConnectionString;
  SqlConnection con;
  SqlCommand cmd = new SqlCommand();
  SqlParameter sp1, sp2, sp3, sp4;
  protected void Page Load(object sender, EventArgs e)
  protected void Button1 Click(object sender, EventArgs e)
    con = new SqlConnection(cs);
    cmd = new SqlCommand("paramStudentProcedureByNarender", con);
    cmd.CommandType = CommandType.StoredProcedure;
    sp1 = new SqlParameter("@ID", SqlDbType.Int);
    sp2 = new SqlParameter("@NAME", SqlDbType.NVarChar);
    sp3 = new SqlParameter("@DEGREE", SqlDbType.NVarChar);
    sp4 = new SqlParameter("@SUBJECT", SqlDbType.NVarChar);
    sp1.Value = Convert.ToInt32(TextBox1.Text);
    sp2.Value = TextBox2.Text;
    sp3.Value = TextBox3.Text;
    sp4.Value = TextBox4.Text;
    cmd.Parameters.Add(sp1);
    cmd.Parameters.Add(sp2);
    cmd.Parameters.Add(sp3);
    cmd.Parameters.Add(sp4);
    con.Open();
    try
```

```
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                                  SEM-II
                                                                        DATE:14/05/2022
                                                                        ROLL NO: 24
                            PRACTICAL NO: 06
           {
             cmd.ExecuteNonQuery();
             lblResult.Text = "Successfully inserted!";
           catch (Exception)
             lblResult.Text = "Error was occured!";
           con.Close();
         }
       }
       OUTPUT:
       Before Inserting:
        ID \mid 4
        NAME | Hassan
        DEGREE BVOC SD
        SUBJECT WEB
         Submit Record
       After Inserting:
        ID 4
        NAME Hassan
        DEGREE BVOC SD
        SUBJECT | WEB
         Submit Record Successfully inserted!
```

CONCLUSION:

AWT

From this practical, I have learned about data bound controls, simple stored procedure and parameterized stored procedures in ASP.NET.

VESIT 9 **NARENDER KESWANI**

AIM: DESIGN A WEBPAGE TO DISPLAY THE USE OF LINQ.

A) Design a web page to display the employee information from table to grid control. Use LINQ to SQL Build websites to demonstrate the working of entity frameworks in dot net.

SOURCE CODE:



ReadLinqToSql.aspx:

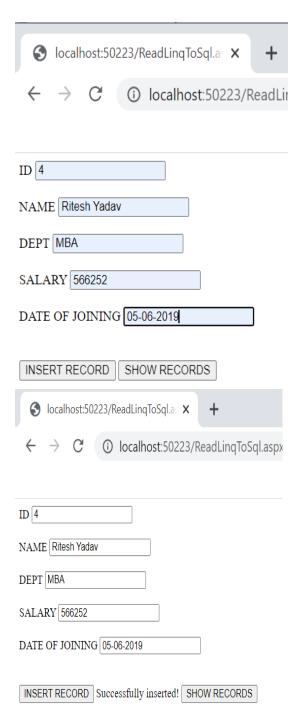
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="ReadLinqToSql.aspx.cs"
Inherits="ReadLinqToSql" %>

<!DOCTYPE html>

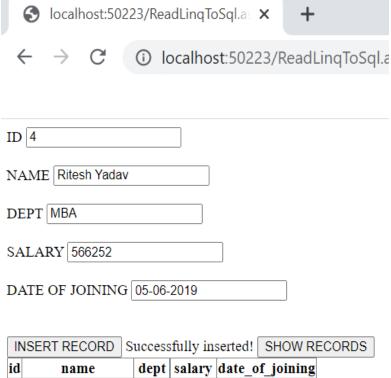
```
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
      <asp:Label ID="Label1" runat="server" Text="ID"></asp:Label>
<asp:TextBox ID="TextBox1" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label2" runat="server" Text="NAME"></asp:Label>
<asp:TextBox ID="TextBox2" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label3" runat="server" Text="DEPT"></asp:Label>
<asp:TextBox ID="TextBox3" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label4" runat="server" Text="SALARY"></asp:Label>
<asp:TextBox ID="TextBox4" runat="server"></asp:TextBox><br /><br />
<asp:Label ID="Label5" runat="server" Text="DATE OF JOINING"></asp:Label>
<asp:TextBox ID="TextBox5" runat="server"></asp:TextBox><br /><br />
<asp:Button ID="Button1" runat="server" Text="INSERT RECORD"
OnClick="Button1_Click" />
      <asp:Label ID="lblResult" runat="server" Text=""></asp:Label>
      <asp:Button ID="Button2" runat="server" Text="SHOW RECORDS"
OnClick="Button2_Click" />
```

```
<asp:GridView ID="GridView1" runat="server">
      </asp:GridView>
    </div>
  </form>
</body>
</html>
ReadLingToSql.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class ReadLingToSql: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
  }
  protected void Button1_Click(object sender, EventArgs e)
    using (DataClassesDataContext dc = new DataClassesDataContext())
      employees_of_narender en = new employees_of_narender
        id = Convert.ToInt32(TextBox1.Text),
        name = TextBox2.Text,
        dept = TextBox3.Text,
        salary = Convert.ToInt32(TextBox4.Text),
        date_of_joining = TextBox5.Text,
      dc.employees_of_narenders.InsertOnSubmit(en);
      dc.SubmitChanges();
      lblResult.Text = "Successfully inserted!";
   }
  }
  protected void Button2_Click(object sender, EventArgs e)
    DataClassesDataContext dc = new DataClassesDataContext();
    GridView1.DataSource = (from a in dc.employees_of_narenders select a);
    GridView1.DataBind();
}
```

OUTPUT:



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11	NSERT RECORD	S	uccess	fully in	serted!	SHOW RE
id	name		dept	salary	date_o	f_joining
1	Narender Keswa	ni	IT	100000	30-05-	2021
2	Neel Deshmukh		CS	200000	06-05-	2022
3	Hassan Haque		SD	300000	06-06-	2022
4	Ritesh Yadav		MBA	566252	05-06-	2019

B) <u>Design a library system in ASP.NET and show all the book details in a Gridview dynamically using ADO.NET Entity Framework.</u>

SOURCE CODE:



Default3.aspx:

<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Default3.aspx.cs" Inherits="Default3" %>

<!DOCTYPE html>

```
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
<div>
Enter ID to get details:
  <asp:TextBox ID="txtSrNo"
runat="server"></asp:TextBox>
<br /><br />
<asp:Button ID="cmdShow" runat="server" Text="Show Details"</pre>
OnClick="cmdShow_Click" />
</div><br /><br />
<asp:GridView ID="GridView1" runat="server"></asp:GridView>
<br />
<asp:Button ID="cmdShowAll" runat="server" Text="Show All"</pre>
OnClick="cmdShowAll_Click" />
</div>
 </form>
</body>
</html>
```

Default3.aspx.cs:

```
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class Default3: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
  }
  protected void cmdShow_Click(object sender, EventArgs e)
    int srno = Convert.ToInt32(txtSrNo.Text);
    narender_p7Entities ctx = new narender_p7Entities();
    GridView1.DataSource = (from b in ctx.library_of_narender
                where b.id == srno
                select b).ToList();
    GridView1.DataBind();
```

```
FYMCA-B
                                     SEM-II
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                                                                             ROLL NO: 24
         protected void cmdShowAll_Click(object sender, EventArgs e)
         {
           narender_p7Entities ctx = new narender_p7Entities();
           GridView1.DataSource = (from a in ctx.library_of_narender select a).ToList();
           GridView1.DataBind();
         }
       }
       OUTPUT:
              localhost:50223/Default3.aspx
                            ① localhost:50223/Default3.aspx
        Enter ID to get details: 1
          Show Details
                         book name
                                                     author name
                                                                      price
         1 International Relations with modern world Khemchand Keswani 899
          Show All
              localhost:50223/Default3.aspx
                        (i) localhost:50223/Default3.aspx
        Enter ID to get details:
         Show Details
                       book name
                                                author_name
                                                              price
         1 International Relations with modern world Khemchand Keswani 899
        2 DBMS
                                             Sunita Jena
                                                              299
        Show All
```

CONCLUSION:

From this practical, I have learned & implemented the ling to sql, ADO.NET in ASP.NET.

VESIT

AWT

DATE: 27/06/2022 ROLL NO: 24

AIM: Design Web Applications using Client Side Session Management.

WAP to implement Client side state management techniques and Server side state management techniques on the form design attached with the assignment.

A) **SESSION MANAGEMENT:**

SOURCE CODE:

SM.aspx:

```
<@ Page Language="C#" AutoEventWireup="true" CodeFile="SM.aspx.cs" Inherits="SM" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
    <div>
    Name: <asp:TextBox ID="name" runat="server"></asp:TextBox>
    <br />
    Age: <asp:TextBox ID="age" runat="server"></asp:TextBox>
    Branch: <asp:TextBox ID="branch" runat="server"></asp:TextBox>
    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
  </div>
  </form>
</body>
</html>
SM.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class SM: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
```

{

SM2.aspx.cs:

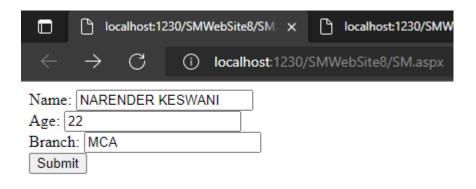
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

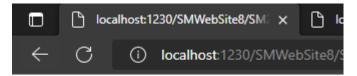
public partial class SM2 : System.Web.UI.Page
```

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```
protected void Page_Load(object sender, EventArgs e)
{
   if (Session["name"] != null)
   {
      name.Text = Session["name"].ToString();
   }
   if (Session["age"] != null)
   {
      age.Text = Session["age"].ToString();
   }
   if (Session["branch"] != null)
   {
      branch.Text = Session["branch"].ToString();
   }
}
```

OUTPUT:





Name: NARENDER KESWANI

Age: 22 Branch: MCA

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B) COOKIE:

SOURCE CODE:

```
Cookie.aspx:
```

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="Cookie.aspx.cs" Inherits="Cookie" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
    Name: <asp:TextBox ID="name" runat="server"></asp:TextBox>
    <br />
    Age: <asp:TextBox ID="age" runat="server"></asp:TextBox>
    <br />
    Branch: <asp:TextBox ID="branch" runat="server"></asp:TextBox>
    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
  </div>
  </form>
</body>
</html>
Cookie.aspx.cs:
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class Cookie: System.Web.UI.Page
{
  protected void Page_Load(object sender, EventArgs e)
```

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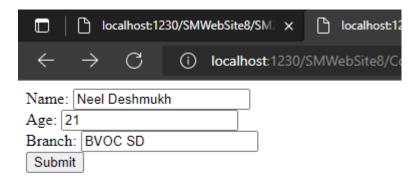
```
}
  protected void Button1_Click(object sender, EventArgs e)
    HttpCookie userInfo = new HttpCookie("userInfo");
    userInfo["name"] = name.Text;
    userInfo["age"] = age.Text;
    userInfo["branch"] = branch.Text;
    Response.Cookies.Add(userInfo);
    Response.Redirect("C2.aspx");
  }
}
C2.aspx:
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="C2.aspx.cs" Inherits="C2" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
 <div>
    Name: <asp:Label ID="name" runat="server"></asp:Label>
    Age: <asp:Label ID="age" runat="server"></asp:Label>
    Branch: <asp:Label ID="branch" runat="server"></asp:Label>
    <br />
  </div>
  </form>
</body>
</html>
C2.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
```

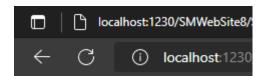
DATE: 27/06/2022 ROLL NO: 24

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

public partial class C2 : System.Web.UI.Page
{
    protected void Page_Load(object sender, EventArgs e)
    {
        HttpCookie reqCookies = Request.Cookies["userInfo"];
        if (reqCookies != null)
        {
            name.Text = reqCookies["name"].ToString();
            age.Text = reqCookies["age"].ToString();
            branch.Text = reqCookies["branch"].ToString();
        }
    }
}
```

OUTPUT:





Name: Neel Deshmukh

Age: 21

Branch: BVOC SD

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C) **QUERY STRINGS:**

SOURCE CODE:

```
QueryString.aspx:
<@ Page Language="C#" AutoEventWireup="true" CodeFile="QueryString.aspx.cs"
Inherits="QueryString" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
    Name: <asp:TextBox ID="name" runat="server"></asp:TextBox>
    Age: <asp:TextBox ID="age" runat="server"></asp:TextBox>
    <br />
    Branch: <asp:TextBox ID="branch" runat="server"></asp:TextBox>
    <br />
    <asp:Button1D="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
  </div>
  </form>
</body>
</html>
QueryString.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class QueryString: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
  {
  }
```

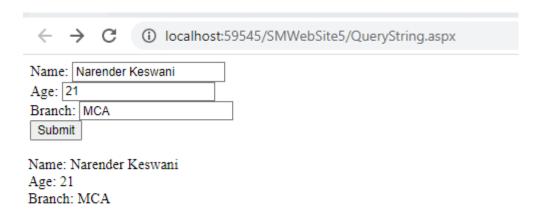
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```
protected void Button1_Click(object sender, EventArgs e)
  {
    Response.Redirect("QS2.aspx?name=" + name.Text + "&age=" + age.Text + "&branch=" +
branch.Text);
  }
}
QS2.aspx:
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="QS2.aspx.cs" Inherits="QS2" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
    Name: <asp:Label ID="name" runat="server"></asp:Label>
    Age: <asp:Label ID="age" runat="server"></asp:Label>
    <br />
    Branch: <asp:Label ID="branch" runat="server"></asp:Label>
    <br />
  </div>
  </form>
</body>
</html>
QS2.aspx.cs:
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class QS2: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
    string names = Request.QueryString["name"];
    string ages = Request.QueryString["age"];
    string branchs = Request.QueryString["branch"];
```

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```
name.Text = names;
age.Text = ages;
branch.Text = branchs;
}
```

OUTPUT:



D) ViewState:

SOURCE CODE:

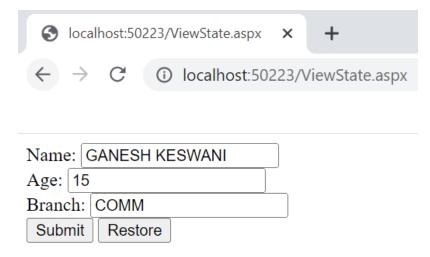
ViewState.aspx:

```
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```

```
<asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
   </div>
  </form>
</body>
</html>
ViewState.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class ViewState: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
  protected void Button1 Click(object sender, EventArgs e)
   ViewState["name"] = name.Text;
   name.Text = "";
   ViewState["age"] = age.Text;
   age.Text = "";
   ViewState["branch"] = branch.Text;
   branch.Text = "";
  }
  protected void Button2_Click(object sender, EventArgs e)
   name.Text = ViewState["name"].ToString();
   age.Text = ViewState["age"].ToString();
   branch.Text = ViewState["branch"].ToString();
 }
}
```

OUTPUT:

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E) HiddenFields:

SOURCE CODE:

HF.aspx:

```
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="HF.aspx.cs" Inherits="HF" %>
<!DOCTYPE html>
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
  <div>
    Name: <asp:TextBox ID="name" runat="server"></asp:TextBox>
    <br />
    Age: <asp:TextBox ID="age" runat="server"></asp:TextBox>
    <br />
    Branch: <asp:TextBox ID="branch" runat="server"></asp:TextBox>
    <asp:Button1D="Button1" runat="server" OnClick="Button1_Click" Text="Submit" /> <br/> <br/>
    <asp:HiddenField ID="HiddenField1" runat="server"></asp:HiddenField>
    <br />
    <asp:HiddenField ID="HiddenField2" runat="server"></asp:HiddenField>
    <br />
    <asp:HiddenField ID="HiddenField3" runat="server"></asp:HiddenField>
```

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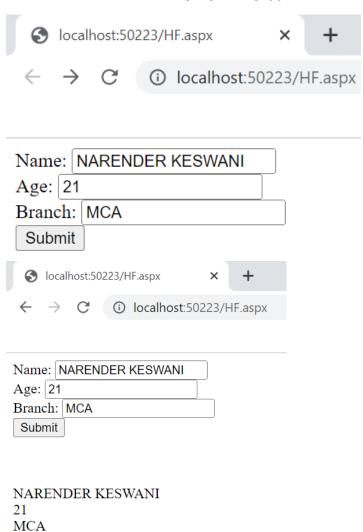
```
<br />
    <asp:Label ID="Label1" runat="server"></asp:Label>
    <br />
    <asp:Label ID="Label2" runat="server"></asp:Label>
    <asp:Label ID="Label3" runat="server"></asp:Label>
    <br />
  </div>
  </form>
</body>
</html>
HF.aspx.cs:
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class HF: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
  }
  protected void Button1_Click(object sender, EventArgs e)
    HiddenField1.Value = name.Text;
    HiddenField2.Value = age.Text;
    HiddenField3.Value = branch.Text;
    Label1.Text = HiddenField1.Value.ToString();
    Label2.Text = HiddenField2.Value.ToString();
    Label3.Text = HiddenField3.Value.ToString();
  }
}
```

OUTPUT:

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F) ApplicationState:

SOURCE CODE:

ApplicationState.aspx:

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

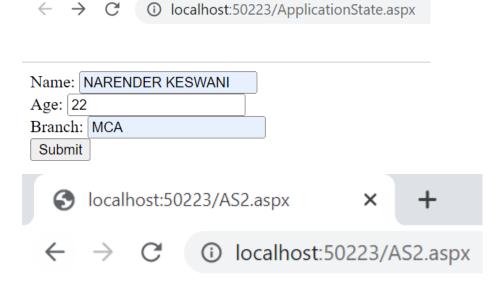
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```
<body>
  <form id="form1" runat="server">
   <div>
    Name: <asp:TextBox ID="name" runat="server"></asp:TextBox>
    <br />
    Age: <asp:TextBox ID="age" runat="server"></asp:TextBox>
    Branch: <asp:TextBox ID="branch" runat="server"></asp:TextBox>
    <asp:Button ID="Button1" runat="server" OnClick="Button1_Click" Text="Submit" />
  </div>
  </form>
</body>
</html>
ApplicationState.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class ApplicationState: System.Web.UI.Page
  protected void Page Load(object sender, EventArgs e)
  {
  protected void Button1_Click(object sender, EventArgs e)
    Application["name"] = name.Text;
    Application["age"] = age.Text;
    Application["branch"] = branch.Text;
    Response.Redirect("AS2.aspx");
  }
}
AS2.aspx:
<%@ Page Language="C#" AutoEventWireup="true" CodeFile="AS2.aspx.cs" Inherits="AS2" %>
<!DOCTYPE html>
```

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```
<a href="http://www.w3.org/1999/xhtml">
<head runat="server">
  <title></title>
</head>
<body>
  <form id="form1" runat="server">
      <div>
    Name: <asp:Label ID="name" runat="server"></asp:Label>
    <br />
    Age: <asp:Label ID="age" runat="server"></asp:Label>
    Branch: <asp:Label ID="branch" runat="server"></asp:Label>
    <br />
  </div>
  </form>
</body>
</html>
AS2.aspx.cs:
using System;
using System.Collections.Generic;
using System.Ling;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
public partial class AS2: System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
    if (Application["name"] != null)
      name.Text = Application["name"].ToString();
    if (Application["age"] != null)
      age.Text = Application["age"].ToString();
    if (Application["branch"] != null)
```

FYMCA-B SEM-II DATE: 27/06/2022 AWT LAB PRACTICAL NO:08 ROLL NO: 24 { branch.Text = Application["branch"].ToString(); } } OUTPUT:



Name: NARENDER KESWANI

Age: 22

Branch: MCA

CONCLUSION:

From this practical, I have learned and implemented client & server-side session management in asp.net.

DATE: 28/06/2022

ROLL NO: 24

Design Web Application to produce and Consume a web Service

A) Create an XML web service that returns all the student details from the student table. Write an Application that uses this service to display student details in datagrid view control.

SOURCE CODE:

StudentService.aspx:

StudentService.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.Configuration;
public partial class StudentService : System.Web.UI.Page
  protected void Page_Load(object sender, EventArgs e)
  {
    WebService1 ws1 = new WebService1();
    DataSet ds = ws1.GetData();
    GridView1.DataSource = ds;
    GridView1.DataBind();
  }
}
```

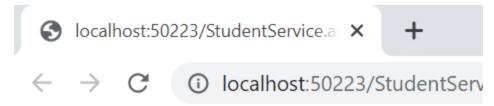
VESIT 1 NARENDER KESWANI

WebService1.asmx.cs:

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Data.SqlClient;
using System.Linq;
using System.Web;
using System. Web. Services;
using System.Configuration;
/// <summary>
/// Summary description for WebService1
/// </summary>
[WebService(Namespace = "http://tempuri.org/")]
[WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
// To allow this Web Service to be called from script, using ASP.NET AJAX, uncomment the following
line.
// [System.Web.Script.Services.ScriptService]
public class WebService1 : System.Web.Services.WebService
  public WebService1()
    //Uncomment the following line if using designed components
    //InitializeComponent();
  }
  [WebMethod]
  public DataSet GetData()
    string connStr =
ConfigurationManager.ConnectionStrings["narender_p9ConnectionString"].ConnectionString;
    SqlConnection conn = new SqlConnection(connStr);
    SqlDataAdapter da = new SqlDataAdapter("Select * from Student", conn);
    DataSet ds = new DataSet();
    da.Fill(ds);
    return ds;
}
```

OUTPUT:

FYMCA-B SEM-II DATE: 28/06/2022 AWT LAB PRACTICAL NO:09 ROLL NO: 24



ID	NAME	DEGREE	SUBJECT
1	Narender	MCA	AWT
2	Neel Deshmukh	Bvoc SD	JS
3	Parnot	Btech	JAVA
4	Hassan	BVOC SD	WEB

Design Web Application to produce and Consume a WCF Service

B) Design an Application to fetch data from the EMP table. Test the service and design a Web client to consume this service.

SQL SERVER:

	id	name	dept	salary	date_of_joining			
1	1	Narender Keswani	IT	100000	30-05-2021			
2	2	Neel Deshmukh	CS	200000	06-05-2022			
3	3	Hassan Haque	SD	300000	06-06-2022			
4	4	Ritesh Yadav	MBA	566252	05-06-2019			

WCF Web Service:

WebConfig:

<add name="narender_p9ConnectionString" connectionString="server=.; database=narender_p7;
Trusted_Connection=Yes;" providerName="System.Data.SqlClient" />

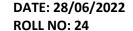
IService1.cs:

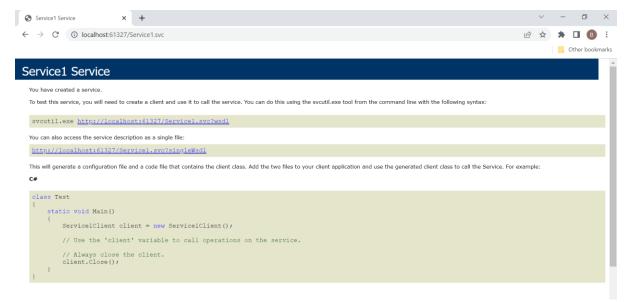
using System; using System.Collections.Generic;

VESIT 3 NARENDER KESWANI

```
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.ServiceModel.Web;
using System.Text;
using System.Data.SqlClient;
using System.Data;
namespace WcfService1
  // NOTE: You can use the "Rename" command on the "Refactor" menu to change the interface
name "IService1" in both code and config file together.
  [ServiceContract]
  public interface IService1
    [OperationContract]
    DataSet getNarendersEmployees();
  [DataContract]
  public class NarendersEmployees
    int id;
    string name;
    string dept;
    int salary;
    string date_of_joining;
    [DataMember]
    public int Id
      get { return id; }
      set { id = value; }
    [DataMember]
    public string Name
      get { return name; }
      set { name = value; }
    [DataMember]
    public string Dept
      get { return dept; }
      set { dept = value; }
    [DataMember]
    public int Salary
```

```
get { return salary; }
      set { salary = value; }
    [DataMember]
    public string Date_of_joining
      get { return date of joining; }
      set { date of joining = value; }
    }
  }
Service1.svc:
using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.ServiceModel.Web;
using System.Text;
using System.Data;
using System.Data.SqlClient;
using System.Configuration;
namespace WcfService1
{
  // NOTE: You can use the "Rename" command on the "Refactor" menu to change the class name
"Service1" in code, svc and config file together.
  // NOTE: In order to launch WCF Test Client for testing this service, please select Service1.svc or
Service1.svc.cs at the Solution Explorer and start debugging.
  public class Service1: IService1
    public DataSet getNarendersEmployees()
      string connStr =
ConfigurationManager.ConnectionStrings["narender p9ConnectionString"].ConnectionString;
      SqlConnection conn = new SqlConnection(connStr);
      conn.Open();
      SqlCommand cmd = new SqlCommand("Select * from employees of narender", conn);
      SqlDataAdapter sda = new SqlDataAdapter(cmd);
      DataSet ds = new DataSet();
      sda.Fill(ds);
      cmd.ExecuteNonQuery();
      conn.Close();
      return ds;
    }
  }
}
```





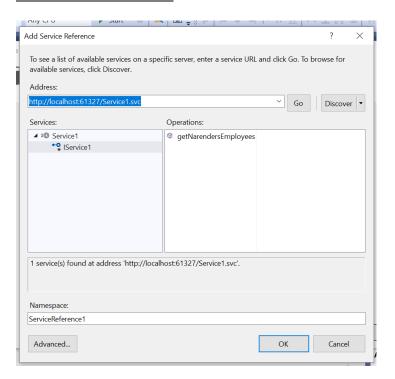
Windows Forms App:

Form1.cs:

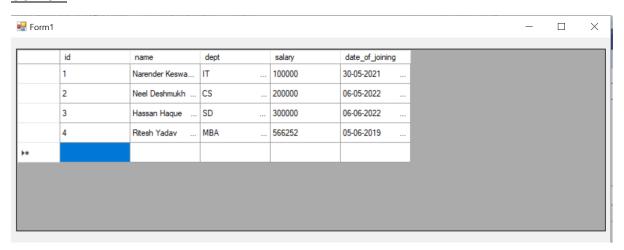
```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System. Drawing;
using System.Linq;
using System.Text;
using System. Threading. Tasks;
using System. Windows. Forms;
namespace WindowsFormsApp9BWCF
  public partial class Form1 : Form
    ServiceReference1.Service1Client obj = new ServiceReference1.Service1Client(); // Add service
reference
    public Form1()
      InitializeComponent();
      DataSet ds = new DataSet();
      ds = obj.getNarendersEmployees();
      dataGridView1.DataSource = ds.Tables[0];
    }
  }
}
```

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ADD SERVICE REFERENCE:



OUTPUT:



CONCLUSION:

From this practical, I have learned & implemented the creation & consumption of webservice in asp.net.

AIM: Design MVC based Web applications

DATE:05/07/2022

ROLL NO: 24

SOUCE CODE:

FYMCA-B

AWT LAB

MODEL:

```
Employee.cs:

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

namespace WebApplication3.Models
{
   public class Employee
   {
     public string Name { get; set; }
     public string Address { get; set; }
     public int Age { get; set; }
}
```

CONTROLLER:

HomeController.cs:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Mvc;
using WebApplication3.Models;

namespace WebApplication3.Controllers
{
    public class HomeController : Controller
    {
        public ActionResult Index()
        {
            return View();
        }

        public ActionResult About()
        {
            ViewBag.Message = "Your application description page.";
            return View();
        }
}
```

VESIT 1 NARENDER KESWANI

```
}
  public ActionResult Contact()
    ViewBag.Message = "Your contact page.";
    return View();
  }
  [HttpGet]
  public ActionResult Emp()
    Employee emp = new Employee()
    {
      Address = "Ulhasnagar",
      Name = "Nender Keswani",
      Age = 22
    };
    return View(emp);
  }
  [HttpPost]
  public ActionResult Emp(Employee emp)
    return View("DisplayData", emp);
  }
}
```

VIEWS:

Emp.cshtml:

```
@{
    Layout = "~/Views/Shared/_Layout.cshtml";
}
@model WebApplication3.Models.Employee
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width" />
    <title>Index</title>
</head>
<body>
    <div>
          @using (Html.BeginForm("Myform"))
          {
```

VESIT 2 NARENDER KESWANI

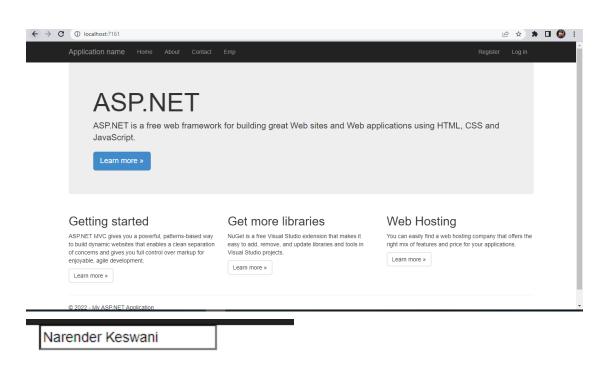
DisplayData.cshml:

```
@{
  Layout = "~/Views/Shared/_Layout.cshtml";
}
<!DOCTYPE html>
<html>
<head>
  <meta name="viewport" content="width=device-width" />
  <title>DisplayData</title>
</head>
<body>
  <div>
    <h1>Employee Details</h1>
    Employee Name: @Model.Name
    Employee Age: @Model.Age
    Employee Address: @Model.Address
  </div>
</body>
</html>
```

OUTPUT:

VESIT 3 NARENDER KESWANI

FYMCA-B AWT LAB



Ulhasnagar

submit

© 2022 - My ASP.NET Application

Employee Details

Employee Name: Narender Keswani

Employee Age: 22

Employee Address: Ulhasnagar

© 2022 - My ASP.NET Application

CONCLUSION:

From this practical, I have learned & implemented MVC in asp.net

VESIT 4 **NARENDER KESWANI**