Q. Create a Registration Form having Test Fields for accepting Name, Age, Email, Address…..

Sol ➔

Codes to Write :-

*First We have Create a Web Form Name –

Registration.aspx

SOURCE CODE :

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

   <title></title>

   <style type="text/css">

      .style1

      {

         height: 26px;

      }

      .style2

      {

         width: 135px;

      }

      .style3

      {

         height: 26px;

         width: 135px;

      }

   </style>

   <script language="javascript" type="text/javascript">

// <![CDATA[

// ]]>
```

```
    </script>
</head>
<body>
    <form id="form1" runat="server">
    <div>

        <table style="width:100%;">
            <tr>
                <td class="style2">
                    NAME :
                </td>
                <td>
                    <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
                        ControlToValidate="TextBox1" ErrorMessage="*"
ForeColor="Red"></asp:RequiredFieldValidator>
                    <asp:RegularExpressionValidator ID="RegularExpressionValidator1" runat="server"
                        ControlToValidate="TextBox1"
                        ErrorMessage="ONLY CHARACTERS AND NOT MORE THAN 25" ForeColor="Red"
                        ValidationExpression="[a-zA-Z]{2,25}"></asp:RegularExpressionValidator>
                </td>
            </tr>
            <tr>
                <td class="style2">
                    AGE :
                </td>
                <td>
                    <asp:TextBox ID="TextBox2" runat="server"></asp:TextBox>
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
                        ControlToValidate="TextBox2" ErrorMessage="*"
ForeColor="Red"></asp:RequiredFieldValidator>
                    <asp:RangeValidator ID="RangeValidator1" runat="server"
```

```
            ControlToValidate="TextBox2" ErrorMessage="ONLY 18 TO 32 IS ALLOWED"
            ForeColor="Red" MaximumValue="32" MinimumValue="18"></asp:RangeValidator>
        </td>
      </tr>
      <tr>
        <td class="style2">
          EMAIL :
        </td>
        <td>
          <asp:TextBox ID="TextBox3" runat="server"></asp:TextBox>
          <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
            ControlToValidate="TextBox3" ErrorMessage="*"
ForeColor="Red"></asp:RequiredFieldValidator>
          <asp:RegularExpressionValidator ID="RegularExpressionValidator2" runat="server"
            ControlToValidate="TextBox3" ErrorMessage="INVALID EMAIL" ForeColor="Red"
            ValidationExpression="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+([-
.]\w+)*"></asp:RegularExpressionValidator>
        </td>
      </tr>
      <tr>
        <td class="style2">
          ADDRESS : :</td>
        <td>
          <asp:TextBox ID="TextBox4" runat="server"></asp:TextBox>
          <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
            ControlToValidate="TextBox4" ErrorMessage="*"
ForeColor="Red"></asp:RequiredFieldValidator>
        </td>
      </tr>
      <tr>
        <td class="style2">
          PHONE :
```

```
            </td>
            <td>
                <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
                <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
                    ControlToValidate="TextBox5" ErrorMessage="*"
ForeColor="Red"></asp:RequiredFieldValidator>
                <asp:RegularExpressionValidator ID="RegularExpressionValidator3" runat="server"
                    ControlToValidate="TextBox5" ErrorMessage="INVALID PHONE" ForeColor="Red"
                    ValidationExpression="\d{10}"></asp:RegularExpressionValidator>
            </td>
        </tr>
        <tr>
            <td class="style3">
            </td>
            <td class="style1">
                <asp:Button ID="Button1" runat="server" Text="SUBMIT" onclick="Button1_Click" />
     
                <input id="Reset1" type="reset" value="CANCEL" onclick="return Reset1_onclick()"
/></td>
        </tr>
      </table>
    </div>
    </form>
</body>
</html>
```

* Double Click on Submit Button you will redirected to

Registration.aspx.cs

SOURCE CODE :

```
using System;
```

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

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

      }

      protected void Button1_Click(object sender, EventArgs e)
      {
         Response.Redirect("DisplayOutput.aspx?na=" + TextBox1.Text + "&ag=" + TextBox2.Text + "&em=" + TextBox3.Text + "&ad=" + TextBox4.Text + "&ph=" + TextBox5.Text);
      }
   }
}
```

* We have to create a new web from name = DisplayOutput.aspx where we can display the output

* inside Design Page of DisplayOutput.aspx double click on anywhere you will redirect to DisplayOutput.aspx.cs

write the code...

SOURCE CODE :

```
using System;
using System.Collections.Generic;
```

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

namespace Registration
{
   public partial class DisplayOutput : System.Web.UI.Page
   {
      protected void Page_Load(object sender, EventArgs e)
      {
         Response.Write("NAME : "+Request.QueryString["na"] + "<br>");
         Response.Write("AGE : " + Request.QueryString["ag"] + "<br>");
         Response.Write("EMAIL : " + Request.QueryString["em"] + "<br>");
         Response.Write("ADDRESS : " + Request.QueryString["ad"] + "<br>");
         Response.Write("PHONE : " + Request.QueryString["ph"] + "<br>");
      }
   }
}
```

Q.2 Create a XML document for student database and apply the style sheet effects and display on webpage.

Codes to Write :-

*First We have to Create a XML file having Name –

Xmlstylesheet.xml

SOURCE CODE :

```
<?xml version="1.0" encoding="utf-8" ?>
<?xml-stylesheet type="text/xsl" href="style.xsl"?>
<students>
 <strudent>
  <rollno>1</rollno>
  <sname>Reza Abbas</sname>
 </strudent>

 <strudent>
  <rollno>123</rollno>
  <sname>Dhiraj</sname>
 </strudent>

 <strudent>
  <rollno>110</rollno>
  <sname>Gouse</sname>
 </strudent>

 <strudent>
  <rollno>48</rollno>
  <sname>Anonymous</sname>
 </student>
</students>
```

* We have to Create a XSTL File name ==>

style.xslt

SOURCE CODE :

```
<?xml version="1.0" encoding="utf-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/Transform">
   <xsl:template match="/">
     <html>
       <head>
       </head>
       <body>
         <table border="2">
           <xsl:for-each select="students/student">
             <tr>
               <td>
                 <xsl:value-of select="sname"/>
               </td>
               <td>
                 <xsl:value-of select="rollno"/>
               </td>
             </tr>
           </xsl:for-each>
         </table>
       </body>
     </html>
   </xsl:template>
</xsl:stylesheet>
```

*Run the file Xmlstylesheet.xml

Q. Design an ASP.NET webpage with 2 groups of Radio Buttons, DropDownList….

*First We have to Create a Web Form Name –

RadioButton.aspx

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


<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">


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


      <asp:RadioButton ID="RadioButton1" runat="server" AutoPostBack="True"
         Font-Names="Jokerman" GroupName="g1" Text="Jokerman"
         oncheckedchanged="fontstyle" />
      <asp:RadioButton ID="RadioButton2" runat="server" AutoPostBack="True"
         Font-Names="Algerian" GroupName="g1"
        Text="Algerian" oncheckedchanged="fontstyle" />
      <asp:RadioButton ID="RadioButton3" runat="server" AutoPostBack="True"
         Font-Names="Harrington" GroupName="g1"
         Text="Harrington" oncheckedchanged="fontstyle" />
      <br />
      <br />
      <asp:RadioButton ID="RadioButton4" runat="server" AutoPostBack="True"
         GroupName="g2" Text="10" oncheckedchanged="fontsize" />
      <asp:RadioButton ID="RadioButton5" runat="server" AutoPostBack="True"
```

```
        GroupName="g2" Text="20" oncheckedchanged="fontsize" />
      <asp:RadioButton ID="RadioButton6" runat="server" AutoPostBack="True"
        GroupName="g2" Text="30" oncheckedchanged="fontsize" />
      <br />
      <br />
      <asp:Label ID="Label1" runat="server" Text="Hello World!!!"></asp:Label>

      <br />
      <br />
      <asp:DropDownList ID="DropDownList1" runat="server" AutoPostBack="True"
        onselectedindexchanged="DropDownList1_SelectedIndexChanged">
        <asp:ListItem Value="91">INDIA</asp:ListItem>
        <asp:ListItem Value="98">NEPAL</asp:ListItem>
        <asp:ListItem Value="62">CHINA</asp:ListItem>
        <asp:ListItem Value="1">USA</asp:ListItem>
        <asp:ListItem Value="99">PAKISTAN</asp:ListItem>
      </asp:DropDownList>
      <br />
      <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>

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

* After that we need to go to design page and double click on anywhere and

RadioButton.aspx

SOURCE CODE :

```
using System;
```

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

namespace RadioButton
{
   public partial class RadioButton : System.Web.UI.Page
   {

      protected void Page_Load(object sender, EventArgs e)
      {

      }

      protected void fontstyle(object sender, EventArgs e)
      {
         Label1.Font.Name = ((RadioButton)sender).Text;
      }

      protected void fontsize(object sender, EventArgs e)
      {
         string Text;
         Label1.Font.Size = Convert.ToInt32(((RadioButton)sender).Text);
      }

      protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
      {
         TextBox1.Text = DropDownList1.SelectedValue.ToString();
      }
```

```
    }
}
```

*Run the file

Q. Create simple Application to perform following Operations

(1) Finding Factorial

(2) Money Conversion

(3) Cube of a Number

(4) Generate Fibonacci Series

Sol ➔

Codes to Write :-

*First We have Create a Web Form Name –

PerformOperations.aspx

SOURCE CODE :

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


<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">


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


      <asp:Label ID="Label1" runat="server" Text="Enter Input : "></asp:Label>
      <asp:TextBox ID="TextBox1" runat="server"></asp:TextBox>
      <br />
      <br />
      <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
         Text="FACTORIAL" />
      <asp:Button ID="Button2" runat="server" onclick="Button2_Click"
```

```
        Text="USD to INR" />
    <asp:Button ID="Button3" runat="server" onclick="Button3_Click" Text="CUBE" />
    <asp:Button ID="Button4" runat="server" onclick="Button4_Click"
        Text="FIBONACCI" />
    <br />
    <br />
    <asp:Label ID="Label2" runat="server"></asp:Label>

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

* After that go to Design page and double click anywhere you will redirect in **PerformOperations.aspx.cs**

SOURCE CODE :

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

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

```
}

public string Factorial(double num)
{
   double fact = 1;
   for (int i = 1; i <= num; i++)
   {
      fact = fact * i;
   }
   return fact.ToString();
}

public string USDtoINR(double num)
{
   return (num * 80).ToString();
}

public string Cube(double num)
{
   return (num * num * num).ToString();
}

public string Fibonacci(double num)
{
   string fseries;
   double num1 = 0, num2 = 1;
   double num3;
   fseries = num1 + " , " + num2 + " , ";
   for (int i = 2; i <= num; i++)
   {
      num3 = num1 + num2;
```

```
            fseries = fseries + num3 + " , ";
            num1 = num2;
            num2 = num3;
        }
        return fseries;
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        Label2.Text = Factorial(Convert.ToInt32(TextBox1.Text));
    }

    protected void Button2_Click(object sender, EventArgs e)
    {
        Label2.Text = USDtoINR(Convert.ToInt32(TextBox1.Text));
    }

    protected void Button3_Click(object sender, EventArgs e)
    {
        Label2.Text = Cube(Convert.ToInt32(TextBox1.Text));
    }

    protected void Button4_Click(object sender, EventArgs e)
    {
        Label2.Text = Fibonacci(Convert.ToInt32(TextBox1.Text));
    }
  }
}
```

*Run the file

Q. Demonstrate the use of Calendar Control Control to perform following

Sol➔

Codes to Write :-

*First We have Create a Web Form Name –

Calender.aspx

SOURCE CODE :

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

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

   <title></title>

</head>

<body>

   <form id="form1" runat="server">

   <div>


      <asp:Calendar ID="Calendar1" runat="server" BackColor="#FFFFCC"

         BorderColor="#FFCC66" BorderWidth="1px" DayNameFormat="Shortest"

         Font-Names="Verdana" Font-Size="8pt" ForeColor="#663399" Height="200px"

         ondayrender="Calendar1_DayRender"

         onselectionchanged="Calendar1_SelectionChanged" ShowGridLines="True"

         Width="220px">

         <DayHeaderStyle BackColor="#FFCC66" Font-Bold="True" Height="1px" />

         <NextPrevStyle Font-Size="9pt" ForeColor="#FFFFCC" />

         <OtherMonthDayStyle ForeColor="#CC9966" />

         <SelectedDayStyle BackColor="#CCCCFF" Font-Bold="True" />

         <SelectorStyle BackColor="#FFCC66" />

         <TitleStyle BackColor="#990000" Font-Bold="True" Font-Size="9pt"

            ForeColor="#FFFFCC" />
```

```
        <TodayDayStyle BackColor="#FFCC66" ForeColor="White" />
    </asp:Calendar>
    <br />
    <br />
    <asp:Calendar ID="Calendar2" runat="server" BackColor="#FFFFCC"
        BorderColor="#FFCC66" BorderWidth="1px" DayNameFormat="Shortest"
        Font-Names="Verdana" Font-Size="8pt" ForeColor="#663399" Height="200px"
        ondayrender="Calendar2_DayRender"
        onselectionchanged="Calendar2_SelectionChanged" ShowGridLines="True"
        Width="220px">
        <DayHeaderStyle BackColor="#FFCC66" Font-Bold="True" Height="1px" />
        <NextPrevStyle Font-Size="9pt" ForeColor="#FFFFCC" />
        <OtherMonthDayStyle ForeColor="#CC9966" />
        <SelectedDayStyle BackColor="#CCCCFF" Font-Bold="True" />
        <SelectorStyle BackColor="#FFCC66" />
        <TitleStyle BackColor="#990000" Font-Bold="True" Font-Size="9pt"
            ForeColor="#FFFFCC" />
        <TodayDayStyle BackColor="#FFCC66" ForeColor="White" />
    </asp:Calendar>
    <br />
    <br />
    <asp:Button ID="Button1" runat="server" onclick="Button1_Click"
        Text="Difference" />
    <br />
    <br />
    <asp:Label ID="Label1" runat="server"></asp:Label>

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

*Double Click anywhere in Design Page and you will redirected to

Calender.aspx.cs

SOURCE CODE :

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

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

      }

      protected void Calendar1_DayRender(object sender, DayRenderEventArgs e)
      {
         if (e.Day.Date.Year == 2022 && e.Day.Date.Month == 10 && e.Day.Date.Day == 14)
         {
            Label l1 = new Label();
            l1.Text = "<br>Navratri";
            e.Cell.Controls.Add(l1);
            e.Cell.BackColor = System.Drawing.Color.Red;
         }
         if (e.Day.Date.Year == 2022 && e.Day.Date.Month == 10 && e.Day.Date.Day == 15)
         {
            e.Cell.BackColor = System.Drawing.Color.Red;
```

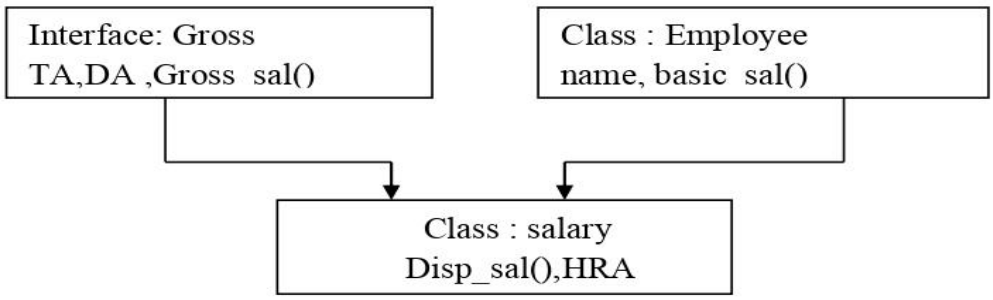
```
    }
    if (e.Day.Date.Year == 2022 && e.Day.Date.Month == 10 && e.Day.Date.Day == 16)
    {
        e.Cell.BackColor = System.Drawing.Color.Red;
    }

    if (e.Day.Date.Year == 2022 && e.Day.Date.Month == 10 && e.Day.Date.Day == 20)
    {
        Label l1 = new Label();
        l1.Text = "<br>AWP Practicals";
        e.Cell.Controls.Add(l1);
    }
}

protected void Calendar2_DayRender(object sender, DayRenderEventArgs e)
{
    if (e.Day.Date.Year == 2022 && e.Day.Date.Month == 10 && e.Day.Date.Day == 24)
    {
        Label l1 = new Label();
        l1.Text = "<br>Diawali";
        e.Cell.Controls.Add(l1);
        e.Cell.BackColor = System.Drawing.Color.Red;
    }

    if (e.Day.Date.Year == 2022 && e.Day.Date.Month == 10 && e.Day.Date.Day == 22)
    {
        Label l1 = new Label();
        l1.Text = "<br>Happy Bday!!";
        e.Cell.Controls.Add(l1);
    }
}
```

```
    protected void Calendar1_SelectionChanged(object sender, EventArgs e)
    {
        Calendar1.SelectedDayStyle.ForeColor = System.Drawing.Color.Red;
        Calendar1.SelectedDayStyle.BackColor = System.Drawing.Color.Yellow;
    }

    protected void Calendar2_SelectionChanged(object sender, EventArgs e)
    {
        Calendar2.SelectedDayStyle.BackColor = System.Drawing.Color.Blue;
        Calendar2.SelectedDayStyle.ForeColor = System.Drawing.Color.Green;
    }

    protected void Button1_Click(object sender, EventArgs e)
    {
        TimeSpan ts = Calendar1.SelectedDate - Calendar2.SelectedDate;
        Label1.Text = ts.TotalDays.ToString();
    }
  }
}
```

*Run the file

Q.Write a program in C# to demonstrate multiple inheritance using interface

AIM: Program to implement the following multiple inheritance using interface.



CODE:

Gross.cs

```
using System;
namespace MultipleInheritance
{
   interface Gross
   {
      int ta
   {
      get;
      set;
   }
   int da
   {
      get;
     set;
   }
      int GrossSal();
   } }
```

Employee.cs

```
using System;
namespace MultipleInheritance
{
   class Employee
   {
      string name;
      public Employee(string name)
      {     this.name = name;   }
      public int BasicSal(int basicSal)
      {      return basicSal;    }
      public void ShowData()
      {
         Console.WriteLine("Name : " + name);
      } } }
```

Salary.cs

```
using System;
namespace MultipleInheritance
{
   class Salary:employee,Gross
   {
      int hra;
      public Salary(string name, int hra):base(name)
      {    this.hra = hra;   }
      public int ta
      {
         get {return S_ta; }
         set { S_ta = value; }
      }
      private int S_ta;
      public int da
      {
         get { return S_da; }
         set { S_da = value; }
      }
      private int S_da;
      public int GrossSal()
      {
         int gSal;
         gSal = hra + ta + da + BasicSal(15000);
         return gSal;
      }
      public void dispSal()
      {    base.ShowData();
           Console.WriteLine("Gross Sal : " + GrossSal());
      } } }
```

Program.cs

```
using System;
namespace MultipleInheritance
{
   class Program
   {
      static void Main(string[] args)
      {
         Salary s = new Salary("Prachit", 35000);
         s.da = 20000;
         s.ta = 30000;
         s.dispSal();
      } } }
```

OUTPUT:

Name :Prachit

Gross Sal :100000

Q. Create a simple web page containing the student details (RollNo, Name, Class, Phone, Email). Write a program to store the data in the database and retrieve it using Data reader in tabular format.

Sol ➔

Q. Create a table with records and retrieve those using Disconnected data access in a Gridview

Sol ➔

Q.AdRotator

* First We have to copy Four jpg files to the folder

* Second Creating a XML File name - Adrotator.xml

Adrotator.xml

SOURCE CODE :

```
<?xml version="1.0" encoding="utf-8" ?>
<Advertisements>
 <Ad>
  <ImageUrl>Any.jfif</ImageUrl>
  <NavigateUrl>http://www.google.com</NavigateUrl>
  <AlternateText>Anonymouse, Hackers!!!</AlternateText>
  <Impressions>20</Impressions>
  <Keyword>Anonymous</Keyword>
 </Ad>
 <Ad>
  <ImageUrl>Cat.jfif</ImageUrl>
  <NavigateUrl>http://www.google.com</NavigateUrl>
  <AlternateText>Cat, BagadBilla!!!</AlternateText>
  <Impressions>20</Impressions>
  <Keyword>Cat</Keyword>
 </Ad>
 <Ad>
  <ImageUrl>Dog.jpg</ImageUrl>
  <NavigateUrl>http://www.google.com</NavigateUrl>
  <AlternateText>Cute Dog, Dog!!!</AlternateText>
  <Impressions>20</Impressions>
  <Keyword>Dog</Keyword>
 </Ad>
 <Ad>
  <ImageUrl>Lion.jpg</ImageUrl>
  <NavigateUrl>http://www.google.com</NavigateUrl>
```

```
   <AlternateText>Lion King, Simbha!!!</AlternateText>
   <Impressions>20</Impressions>
   <Keyword>Lion</Keyword>
  </Ad>
</Advertisements>
```

* Second Creating a Webform name Adrotator.aspx and from toolbox we are adding AdRotator

* In property of AdRotator AdvertisementFile ==> Select ==>Adrotator.xml

Adrotator.aspx

* SOURCE CODE :

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="Adrotator.aspx.cs"
Inherits="Adrotator.Adrotator" %>
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
   <title></title>
</head>
<body>
   <form id="form1" runat="server">
   <div>
        <asp:AdRotator ID="AdRotator1" runat="server"
        AdvertisementFile="~/Adrotator.xml" />
      </div>
   </form>
</body>
</html>
```

* Run the file

Q. Number of Visitor

Sol ➔

Global.asax

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.SessionState;
namespace NumberofVisitors
{
   public class Global : System.Web.HttpApplication
   {
      void Application_Start(object sender, EventArgs e)
       {
       }
       void Application_End(object sender, EventArgs e)
       {
        }
       void Application_Error(object sender, EventArgs e)
       {
       }
       void Session_Start(object sender, EventArgs e)
       {
          Application.Lock();
          Application["usercnt"] = Convert.ToInt32(Application["usercnt"])+1;
          Application.UnLock();
       }
       void Session_End(object sender, EventArgs e)
       {
        }
```

```
    }
}
```

*Second We have to Create a new Web Form give name = NumberofVisitors.aspx

Go to design double click on anywhere and you will redirected to

NumberofVisitors.aspx.cs

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

namespace NumberofVisitors
{
    public partial class NumberofVisitors : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            Response.Write(Application["usercnt"].ToString());
        }
    }
}
```

Q.UserControl

Step - 1 Extract and Paste the entire UserControl Folder ==> in Documents/Visual Studio 2010/Projects

Step - 2 Open VS code 2010 ==> Go to File and Open UserControl Folder ==> Select UserControl File (not Folder)

Step - 3 Open Solution Explorer and Select UserControl.aspx and Run the file.

Codes to Write :-

*First We have to Create a new Web User Control giving the name footer.ascx

//write the Following code in it

footer.ascx

```
<%@ Control Language="C#" AutoEventWireup="true" CodeBehind="footer.ascx.cs" Inherits="UserControl.usercontrol" %>

<div>&#169 copyright reserved Solutions Ltd.</div>
```

* Second We are creating a web form name - UserControl.aspx

UserControl.aspx

SOURCE CODE :

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

<%@ Register src="footer.ascx" tagname="footer" tagprefix="uc1" %>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

<head runat="server">

   <title></title>

</head>

<body>
```

```
    <form id="form1" runat="server">
    <div>

        Ketan Solutions Ltd.<br />
        <br />
        This is a Random Paragraph. Program of User Control.<br />
        <br />
        <uc1:footer ID="footer1" runat="server" />

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

*Run the file