

Experiment No.1

Name : Tejas Sameer Pisal

Roll No. 20244374

Title : Write a program to display even no and odd no using c#.

```
using System;

class Programa
{
    static void Main()
    {
        int start, end;

        Console.Write("Enter the starting number :");
        start = int.Parse(Console.ReadLine());

        Console.Write("Enter the ending number : ");
        end = int.Parse(Console.ReadLine());

        Console.WriteLine("\nEven numbers:");
        for(int i = start; i<=end; i++)

        {
            if(i%2 == 0)
            {
                Console.Write(i + " ");
            }
        }

        Console.WriteLine("\nOdd numbers:");
        for(int i = start; i<=end; i++)

        {
            if(i%2!=0)
            {
                Console.Write(i+" ");
            }
        }
        Console.WriteLine();
        Console.ReadLine();
    }
}
```

Output-

```
file:///c:/users/bca_l/documents/visual studio 2010/Projects/practical1/pr  
Enter the starting number :2  
Enter the ending number : 24  
  
Even numbers:  
2 4 6 8 10 12 14 16 18 20 22 24  
Odd numbers:  
3 5 7 9 11 13 15 17 19 21 23  
_
```

Experiment No.2

Name : Tejas Sameer Pisal

Roll No. 20244374

Title : Write a program to demonstrate parameter passing mechanism and out parameter.

```
using System;
```

```
class ParameterPassingDemo
```

```
{
```

```
    static void PassByValue(int a)
```

```
    {
```

```
        a = 10;
```

```
        Console.WriteLine("Inside PassByValue, a = " + a);
```

```
    }
```

```
    static void PassByRef(ref int b)
```

```
    {
```

```
        b = 20;
```

```
        Console.WriteLine("Inside PassByRef, b = " + b);
```

```
    }
```

```
    static void UsingOutParameter(out int c)
```

```
    {
```

```
        c = 30;
```

```
        Console.WriteLine("Inside UsingOutParameter, c = " + c);
```

```
    }
```

```
    static void Main()
```

```
    {
```

```
        int x = 5;
```

```
        int y = 15;
```

```
        int z;
```

```
        Console.WriteLine("Before PassByValue, x = " + x);
```

```
        PassByValue(x);
```

```
        Console.WriteLine("After PassByValue, x = " + x);
```

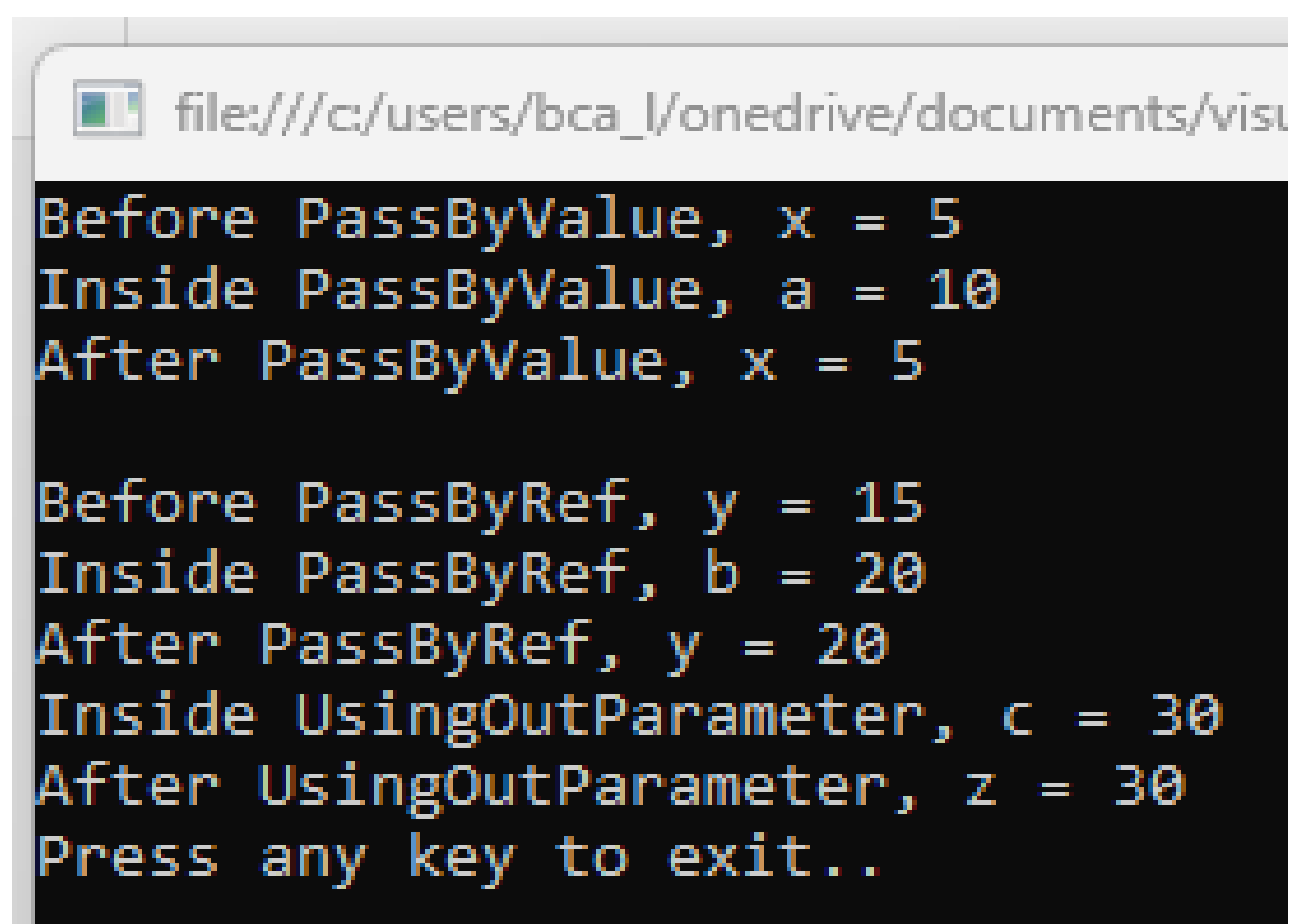
```
        Console.WriteLine("\nBefore PassByRef, y = " + y);
```

```
        PassByRef(ref y);
```

```
        Console.WriteLine("After PassByRef, y = " + y);
```

```
    UsingOutParameter(out z);  
    Console.WriteLine("After UsingOutParameter, z = " + z);  
  
    Console.WriteLine("Press any key to exit..");  
    Console.ReadLine();  
}  
}
```

Output-

A screenshot of a Windows File Explorer window. The address bar shows the file path: file:///c:/users/bca_l/onedrive/documents/visu. The main content area displays the output of a C# program in a monospaced font. The output shows the state of variables x, a, y, b, c, and z at different points in the program's execution, demonstrating the effects of PassByValue, PassByRef, and UsingOutParameter.

```
Before PassByValue, x = 5  
Inside PassByValue, a = 10  
After PassByValue, x = 5  
  
Before PassByRef, y = 15  
Inside PassByRef, b = 20  
After PassByRef, y = 20  
Inside UsingOutParameter, c = 30  
After UsingOutParameter, z = 30  
Press any key to exit..
```

Experiment No.3

Name : Tejas Sameer Pisal

Roll No. 20244374

Title : Write a program demonstrate type casting.

```
using System;

class TypecastingDemo
{
    static void Main(string[] args)
    {
        int intNum = 100;
        double doubleNum = intNum;

        Console.WriteLine("Implicit Casting:");
        Console.WriteLine("Integer:" + intNum);
        Console.WriteLine("Double:" + doubleNum);

        double largeDouble = 123.45;
        int smallInt = (int)largeDouble;

        Console.WriteLine("\nExplicit Casting:");
        Console.WriteLine("Double:" + largeDouble);
        Console.WriteLine("Covert to Integer:" + smallInt);

        string strNum = "200";
        int convertedInt = Convert.ToInt32(strNum);

        Console.WriteLine("\nUsing Convert Class");
        Console.WriteLine("String: " + strNum);
        Console.WriteLine("Converted to Integer: " + convertedInt);

        int largeInt = 50000;
        short smallShort = (short)largeInt;

        Console.WriteLine("\nCasting with Potential Data Loss:");
        Console.WriteLine("Integer: " + largeInt);
        Console.WriteLine("Converted to Short: " + smallShort);
        Console.ReadKey();
    }
}
```

Output-

```
file:///C:/Users/bca_l/onedrive/documents/visua
Implicit Casting:
Integer:100
Double:100

Explicit Casting:
Double:123.45
Covert to Integer:123

Using Convert Class
String: 200
Converted to Integer: 200

Casting with Potential Data Loss:
Integer: 50000
Converted to Short: -15536
```

Experiment No.4

Name : Tejas Sameer Pisal

Roll No. 20244374

Title : Write a program to demonstrate partial class.

```
using System;
```

```
namespace Partial_Class
```

```
{
```

```
    partial class Student
```

```
    {
```

```
        int rn;
```

```
        string name;
```

```
        public void Accept_Data()
```

```
        {
```

```
            Console.Write("Enter roll number : ");
```

```
            rn = int.Parse(Console.ReadLine());
```

```
            Console.Write("Enter name : ");
```

```
            name = Console.ReadLine();
```

```
        }
```

```
        public void Display()
```

```
        {
```

```
            Console.WriteLine("Enter roll number : " + rn);
```

```
            Console.WriteLine("Name : " + name);
```

```
        }
```

```
    }
```

```
    partial class Student
```

```
    {
```

```
        int[] marks = new int[5];
```

```
        int total_marks = 0;
```

```
        double percentage;
```

```
        public void Get_marks()
```

```
        {
```

```
            for (int i = 0; i < 5; i++)
```

```
            {
```

```
                Console.WriteLine("Marks of subject -{0}:", i + 1);
```

```
                marks[i] = int.Parse(Console.ReadLine());
```

```
                total_marks = total_marks + marks[i];
```

```
            }
```

```
        }
```

```
        public void Put_marks()
```

```
        {
```

```
            for (int i = 0; i < 5; i++)
```

```
            {
```

```

        Console.WriteLine("Marks of subject -{0}:{1}", i + 1, marks[i]);
    }
}
public void Display_Grade()
{
    percentage = total_marks / 5.0;
    Console.WriteLine("Total Marks :" + total_marks);
    Console.WriteLine("Percentage :" + percentage + "%");
    if (percentage >= 75)
    {
        Console.WriteLine("Congratulation!!! You have got Distinction");
    }
    else if (percentage >= 60 && percentage < 75)
    {
        Console.WriteLine("Congratulation!!! You have got First class");
    }
    else if (percentage >= 50 && percentage < 60)
    {
        Console.WriteLine("Congratulation!!! You have got Second class");
    }
    else if (percentage >= 40 && percentage < 50)
    {
        Console.WriteLine("Congratulation!!! You have got Higher Second class");
    }
    else
    {
        Console.WriteLine("Sorry...You have failed");
    }
}
}
class Partial_class_Test
{
    static void Main(string[] args)
    {
        Student ob = new Student();
        ob.Accept_Data();
        ob.Get_marks();
        ob.Display();
        ob.Put_marks();
        ob.Display_Grade();

        Console.ReadLine();
    }
}
}

```


Output-

```
file:///c:/users/bca_l/documents/visual studio 2010/Projects/partical_class/partical_class/bin/Debug/partical_class.EX
Enter roll number : 11
Enter name : Chaitanya
Marks of subject -1:
32
Marks of subject -2:
54
Marks of subject -3:
77
Marks of subject -4:
66
Marks of subject -5:
73
Enter roll number : 11
Name :Chaitanya
Marks of subject -1:32
Marks of subject -2:54
Marks of subject -3:77
Marks of subject -4:66
Marks of subject -5:73
Total Marks :302
Percentage :60.4%
Congratulation!!! You have got First class
```

Experiment No.5

Name : Tejas Sameer Pisal

Roll No. 20244374

Title : Create web page using server controls- Text-box, List Controls, Calender, Imagebutten, Linkbutton.

Source Code :-

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

<head id="Head1" runat="server">
  <title>Student Registration Form</title>
  <style type="text/css">
    .form-title {
      color: #66ff66;
      text-align: center;
      font-size: xx-large;
    }
    .form-section {
      margin: 20px 20px 20px 580px;
    }
    .form-label {
      font-size: large;
    }
    .form-control {
      font-size: medium;
      margin-left: 10px;
    }
  </style>
</head>
<body>
  <form id="form1" runat="server">
    <div class="form-title">
      <h1 style="color: #FF33CC; font-style: italic; font-size: x-large; font-family: Arial, Helvetica, sans-serif; font-variant: normal; text-transform: capitalize; font-weight: normal;">Student Registration Form</h1>
    </div>

    <div class="form-section">
      <asp:Label ID="LabelName" runat="server" CssClass="form-label"
Text="Name:"></asp:Label>
      <asp:TextBox ID="TextName" runat="server" CssClass="form-control"
Width="300px"></asp:TextBox>
    </div>
```

```
<div class="form-section">
  <asp:Label ID="LabelDOB" runat="server" CssClass="form-label" Text="Date of Birth:
"></asp:Label>
  <asp:TextBox ID="TextDOB" runat="server" CssClass="form-control"
TextMode="Date" Width="200px"></asp:TextBox>
</div>
```

```
<div class="form-section">
  <asp:Label ID="LabelEmail" runat="server" CssClass="form-label"
Text="Email:"></asp:Label>
  <asp:TextBox ID="TextEmail" runat="server" CssClass="form-control"
Width="300px"></asp:TextBox>
</div>
```

```
<div class="form-section">
  <asp:Label ID="LabelGender" runat="server" CssClass="form-label"
Text="Gender:"></asp:Label>
  <asp:RadioButtonList ID="RadioButtonListGender" runat="server"
CssClass="form-control">
    <asp:ListItem Text="Male" Value="Male"></asp:ListItem>
    <asp:ListItem Text="Female" Value="Female"></asp:ListItem>
    <asp:ListItem Text="Other" Value="Other"></asp:ListItem>
  </asp:RadioButtonList>
</div>
```

```
<div class="form-section">
  <asp:Label ID="LabelPhone" runat="server" CssClass="form-label" Text="Phone
Number:"></asp:Label>
  <asp:TextBox ID="TextPhone" runat="server" CssClass="form-control"
Width="200px"></asp:TextBox>
</div>
```

```
<div class="form-section">
  <asp:Label ID="LabelCourse" runat="server" CssClass="form-label" Text="Select
Course:"></asp:Label>
  <asp:DropDownList ID="DDLCourse" runat="server" CssClass="form-control">
    <asp:ListItem>– Select Course –</asp:ListItem>
    <asp:ListItem>Computer Science</asp:ListItem>
    <asp:ListItem>Business Administration</asp:ListItem>
    <asp:ListItem>Engineering</asp:ListItem>
    <asp:ListItem>Mathematics</asp:ListItem>
  </asp:DropDownList>
</div>
```

```
<div class="form-section">
```

```
<asp:Button ID="btnRegister" runat="server" Text="Register" />
</div>
</form>
</body>
</html>
```

Output-

Student Registration Form

Name:

Date of Birth:

Email:

Gender:

☐ Male

☐ Female

☐ Other

Phone Number:

Select Course:

localhost:50457/Default.aspx

Student Registration Form

Name:

Date of Birth:

Email:

Gender:

☒ Male

☐ Female

☐ Other

Phone Number:

Select Course:

Experiment No.6

Name : Tejas Sameer Pisal

Roll No. 20244374

Title: Develop ASP.Net Application through which user upload Image and that Image should be displayed in Image Control.

Image Uploading-

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

```
<!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:Button ID="txtfile" runat="server" onclick="chooseFile_click"
    Text="Choose File:" />
  
  
  
No file
choose  

    <asp:Button ID="txtupload" runat="server" Text="Upload" />
  

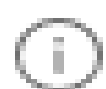
  

```

```
</div>  
</form>
```

```
</body>
</html>
```

Output-



localhost:2490/WebSite9/imageUp

Choose File:

No file choose

Upload



Experiment No.7

Name : Tejas Sameer Pisal

Roll No. 20244374

Title : Write a program to create a web page showing use of following validation controls

Required field

Range validation

Compare validation

Custom validation

Regular expression validation

Validation summary

Source code-

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="validation.aspx.cs" Inherits="WebApplication12.validation" %>
```

```
<!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>
```

[illegible]

[illegible]

[illegible]

Experiment No.9

Name : Tejas Sameer Pisal

Roll No. 20244374

Title: Write a program to create a web page showing use of response, redirect and server transfer.

source.aspx.cs

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

```
<!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>

<p style="font-size: x-large; color: #003366; font-weight: normal; font-style: italic;">

[illegible][illegible]

This is source page

</p>

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

<p style="margin-left: 160px">

```
<asp:Button ID="btnRedirect" runat="server" onclick="btnRedirect_Click"
```

```
Text="Response.Redirect" Width="240px" />
```

</p>

<p style="margin-left: 160px">

```
<asp:Button ID="btnTransfer" runat="server" onclick="btnTransfer_Click"
```

```
Text="Server.Transfer" Visible="False" Width="237px" />
```

</p>

<p style="margin-left: 80px">

<p>

<p>

<p>

<div>

</div>

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

source_aspx.cs

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

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

    }
    protected void btnRedirect_Click(object sender, EventArgs e)
    {
        Response.Redirect("Target.aspx");
    }
    protected void btnTransfer_Click(object sender, EventArgs e)
    {
        Server.Transfer("Target.aspx");
    }
}
```

Target.aspx.cs

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

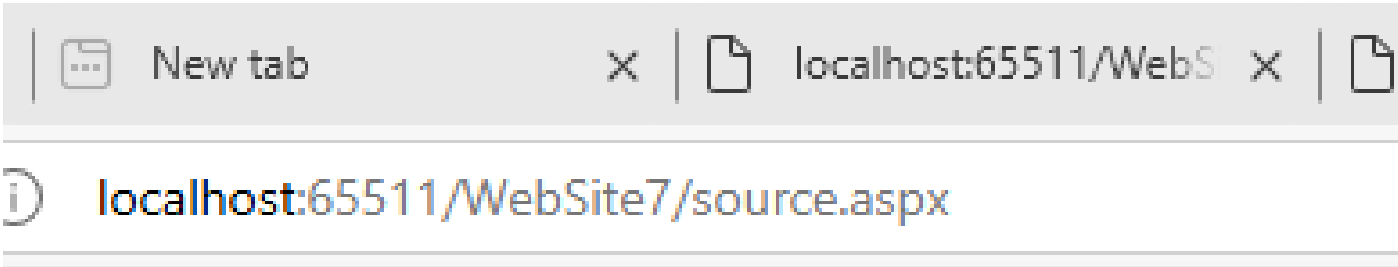
```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

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

This is source page

Response.Redirect

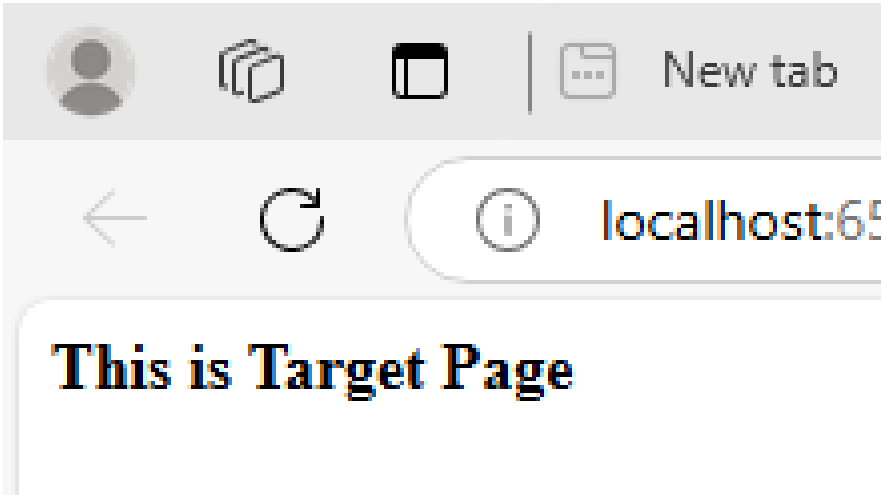
This is Target Page



This is source page

Response.Redirect

Server.Transfer



Experiment No.10

Name : Tejas Sameer Pisal

Roll No. 20244374

Title: Develop a ASP>net Application for recording Registration details using different controls & validators

source.aspx.cs

```
<%@ Page Language="C#" AutoEventWireup="true" CodeBehind="WebForm1.aspx.cs" Inherits="WebApplication14.WebForm1" %>
```

```
<!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>Validator</title>
```

```
  <style type="text/css">
```

```
    .style1
```

```
    {
```

```
      width: 70%;
```

```
    }
```

```
    .style2
```

```
    {
```

```
      width: 290px;
```

```
      text-align: right;
```

```
    }
```

```
    .style3
```

```
    {
```

```
      text-align: left;
```

```
    }
```

```
    .style4
```

```
    {
```

```
      width: 290px;
```

```
      height: 23px;
```

```
      text-align: right;
```

```
    }
```

```
    .style5
```

```
    {
```

```
      text-align: left;
```

```
      height: 23px;
```

```
    }
```

```
    .style6
```

```
    {
```

```
      width: 290px;
```

```
      height: 30px;
```

[illegible]

[illegible]

[illegible]

```

        Mobile.No:&nbsp;</td>
        <td class="style3">
            <asp:TextBox ID="TextBox5" runat="server"></asp:TextBox>
            <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
                ControlToValidate="TextBox5" ErrorMessage="*Enter mobile.no"
                ForeColor="#CC0000"></asp:RequiredFieldValidator>
            <asp:RegularExpressionValidator ID="RegularExpressionValidator1"
runat="server"
                ControlToValidate="TextBox5" ErrorMessage="*Invalid Number"
                ForeColor="Blue"
                ValidationExpression="\d(10)"></asp:RegularExpressionValidator>
        </td>
    </tr>
    <tr>
        <td class="style2">

```

[illegible]

```
<td class="style3">
    <asp:Button ID="Button1" runat="server" Text="Register Now" />
</td>
</tr>
<tr>
    <td class="style2">
        <asp:ValidationSummary ID="ValidationSummary1" runat="server" />
    </td>
</tr>
</table>
</form>
<p>
    <asp:PageFooter ID="PageFooter1" runat="server" Text="Page 1 of 1" />
</p>
</body>
</html>
```

Output-

Registration Form

Name:

Password:

Confirm Password:

Age:

Mobile.No:

Registration Form

Name:

Password:

Confirm Password:

Age:

Mobile.No:

*Password doesn't Match

*Invalid Number

- *Password doesn't Match
- *Invalid Number

