Practical no 1:

Procedure:-

Code:- `<%@ Page Language="VB" AutoEventWireup="false" CodeFile="Register User.aspx.vb"`
`Inherits="Register_User" %>`

```
<!DOCTYPE html>
<html xmlns="http://www.w3.org/1999/xhtml">
<head runat="server">
    <title></title>
    <style type="text/css">
        .auto-style1 {
            width: 100%;
        }
        .auto-style2 {
            text-align: right;
        }
        .auto-style5 {
            width: 198px;
        }
        .auto-style6 {
            width: 306px;
            text-align: right;
            height: 23px;
        }
        .auto-style7 {
            width: 198px;
            height: 23px;
        }
        .auto-style8 {
            height: 23px;
            text-align: center;
        }
        .auto-style9 {
            width: 306px;
            text-align: right;
            height: 26px;
        }
        .auto-style10 {
            width: 198px;
            height: 26px;
            text-align: center;
        }
        .auto-style11 {
            height: 26px;
            text-align: center;
        }
        .auto-style12 {
            text-align: left;
            height: 23px;
        }
        .auto-style13 {
            text-align: center;
            height: 26px;
        }
        .auto-style14 {
            text-align: left;
            height: 23px;
            font-size: larger;
            font-weight: 700;
        }
        .auto-style15 {
            text-align: center;
        }
        .auto-style16 {
```

```
                    text-align: right;
                    height: 26px;
            }
        </style>
</head>
<body>
    <form id="form1" runat="server">
    <div>

        <table border="0" class="auto-style1" contenteditable="inherit">
            <tr>
                <td class="auto-style14" colspan="3">Register User</td>
            </tr>
            <tr>
                <td class="auto-style12" colspan="3">
                    <hr />
                </td>
            </tr>
            <tr>
                <td class="auto-style12" colspan="3">You must specify atleast one contact number</td>
            </tr>
            <tr>
                <td class="auto-style2">Name :</td>
                <td class="auto-style5">
                    <asp:TextBox ID="boxname" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style15">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator6" runat="server"
ControlToValidate="boxname" ErrorMessage="Choose Name "></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">User Id :</td>
                <td class="auto-style5">
                    <asp:TextBox ID="boxuid" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style15">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator1" runat="server"
ControlToValidate="boxuid" ErrorMessage="Choose User ID"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style16">Password :</td>
                <td class="auto-style10">
                    <asp:TextBox ID="boxpass" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style11">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator2" runat="server"
ControlToValidate="boxpass" ErrorMessage="Choose Password"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2">Confrim Password : </td>
                <td class="auto-style5">
                    <asp:TextBox ID="boxcpass" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style15"> </td>
            </tr>
            <tr>
                <td class="auto-style2">Gender :</td>
                <td class="auto-style5">
                    <asp:RadioButtonList ID="RadioButtonList1" runat="server">
                        <asp:ListItem>Male</asp:ListItem>
                        <asp:ListItem>Female</asp:ListItem>
```

```
                    </asp:RadioButtonList>
                </td>
                <td class="auto-style15">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator3" runat="server"
ControlToValidate="RadioButtonList1" ErrorMessage="Select Gender"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style6">Date Of Birth : </td>
                <td class="auto-style7">
                    <asp:TextBox ID="boxdob" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style8">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator4" runat="server"
ControlToValidate="boxdob" ErrorMessage="Enter Date Of Birth"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style2"> </td>
                <td class="auto-style5">(dd/MM/yyyy)</td>
                <td class="auto-style15"> </td>
            </tr>
            <tr>
                <td class="auto-style2">Country :</td>
                <td class="auto-style5">
                    <asp:DropDownList ID="DropDownList1" runat="server" Width="200px">
                        <asp:ListItem>Select</asp:ListItem>
                    </asp:DropDownList>
                </td>
                <td class="auto-style15"> </td>
            </tr>
            <tr>
                <td class="auto-style2">Industry :</td>
                <td class="auto-style5">
                    <asp:ListBox ID="ListBox1" runat="server" Width="200px">
                        <asp:ListItem>Education</asp:ListItem>
                        <asp:ListItem>IT</asp:ListItem>
                        <asp:ListItem>Software</asp:ListItem>
                        <asp:ListItem>Call Centre</asp:ListItem>
                        <asp:ListItem>Hardware</asp:ListItem>
                    </asp:ListBox>
                </td>
                <td class="auto-style15">
                    <asp:RequiredFieldValidator ID="RequiredFieldValidator5" runat="server"
ControlToValidate="ListBox1" ErrorMessage="Select Industry"></asp:RequiredFieldValidator>
                </td>
            </tr>
            <tr>
                <td class="auto-style9">Telephone :</td>
                <td class="auto-style10">
                    <asp:TextBox ID="boxtel" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style11"></td>
            </tr>
            <tr>
                <td class="auto-style2">Mobile :</td>
                <td class="auto-style5">
                    <asp:TextBox ID="boxmob" runat="server" Width="200px"></asp:TextBox>
                </td>
                <td class="auto-style15"> </td>
            </tr>
            <tr>
                <td class="auto-style16">Email ID :</td>
                <td class="auto-style10">
```
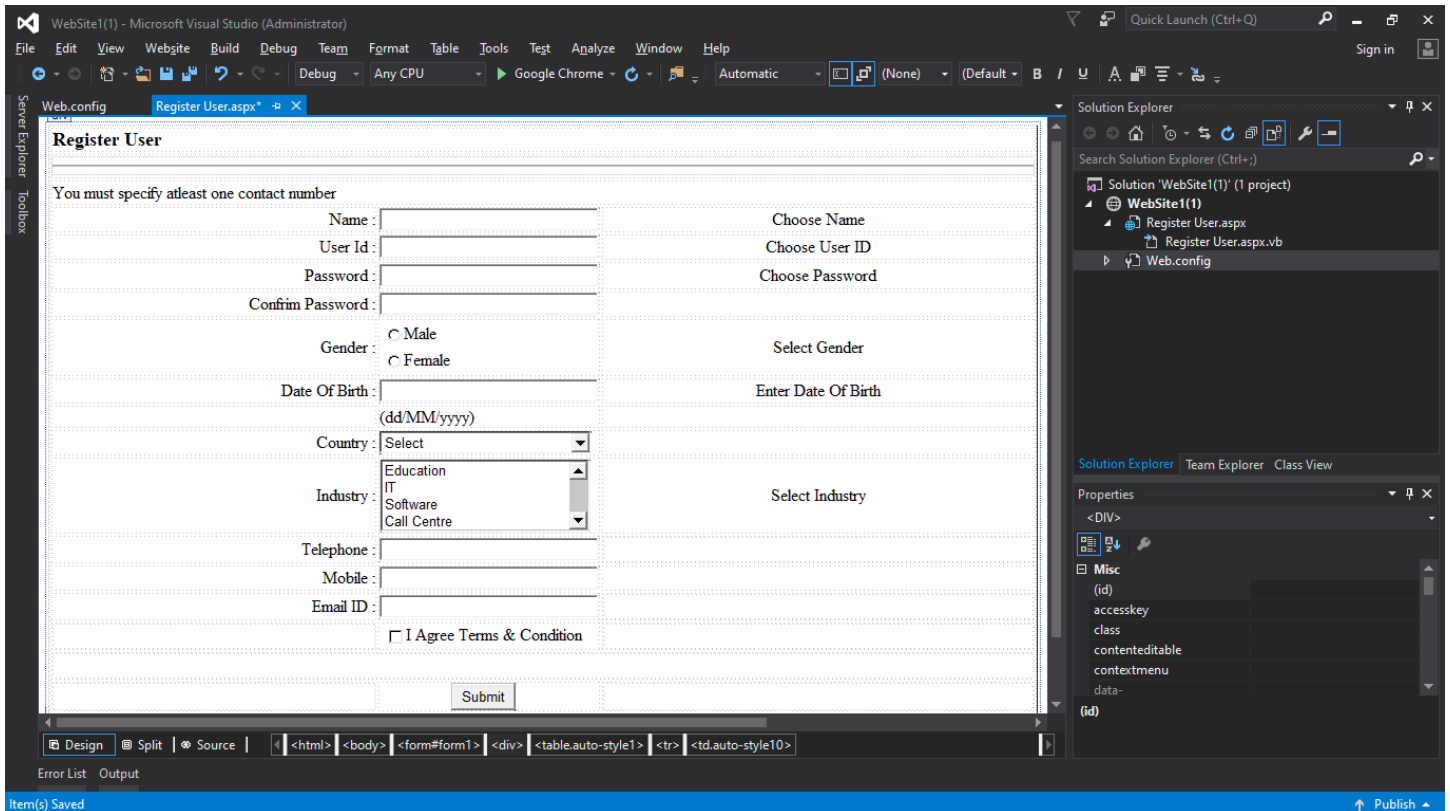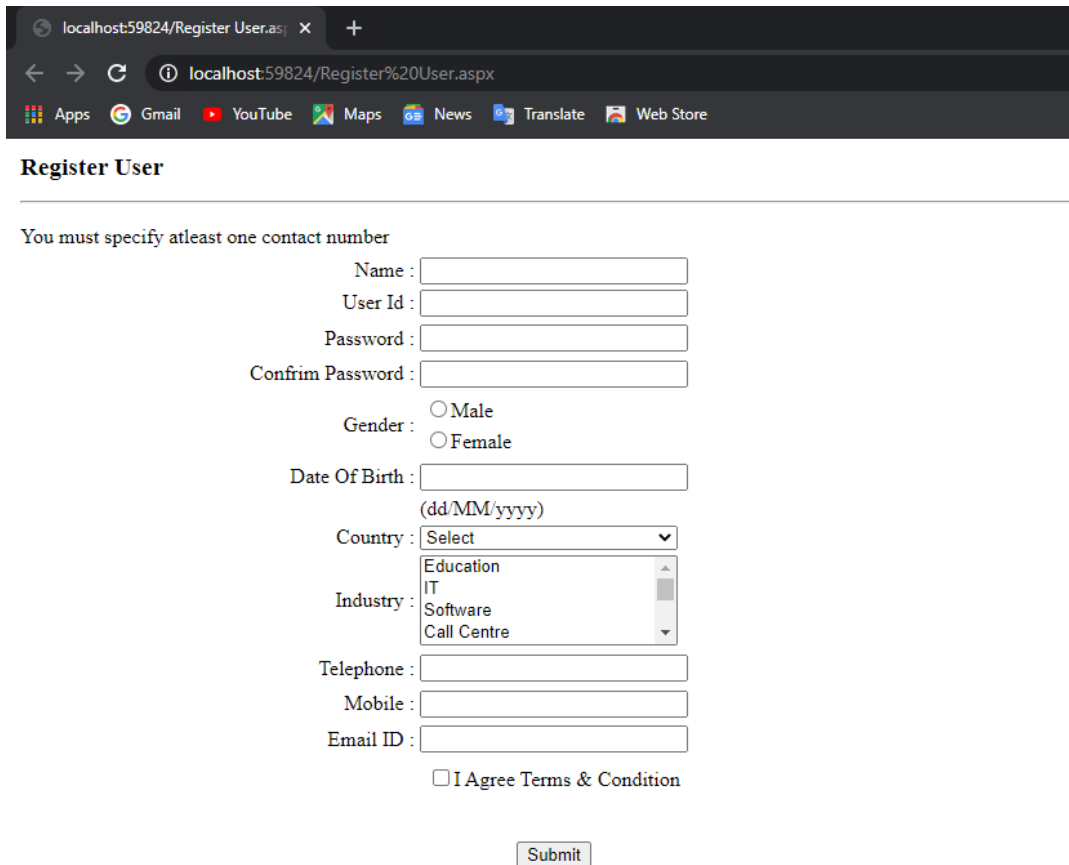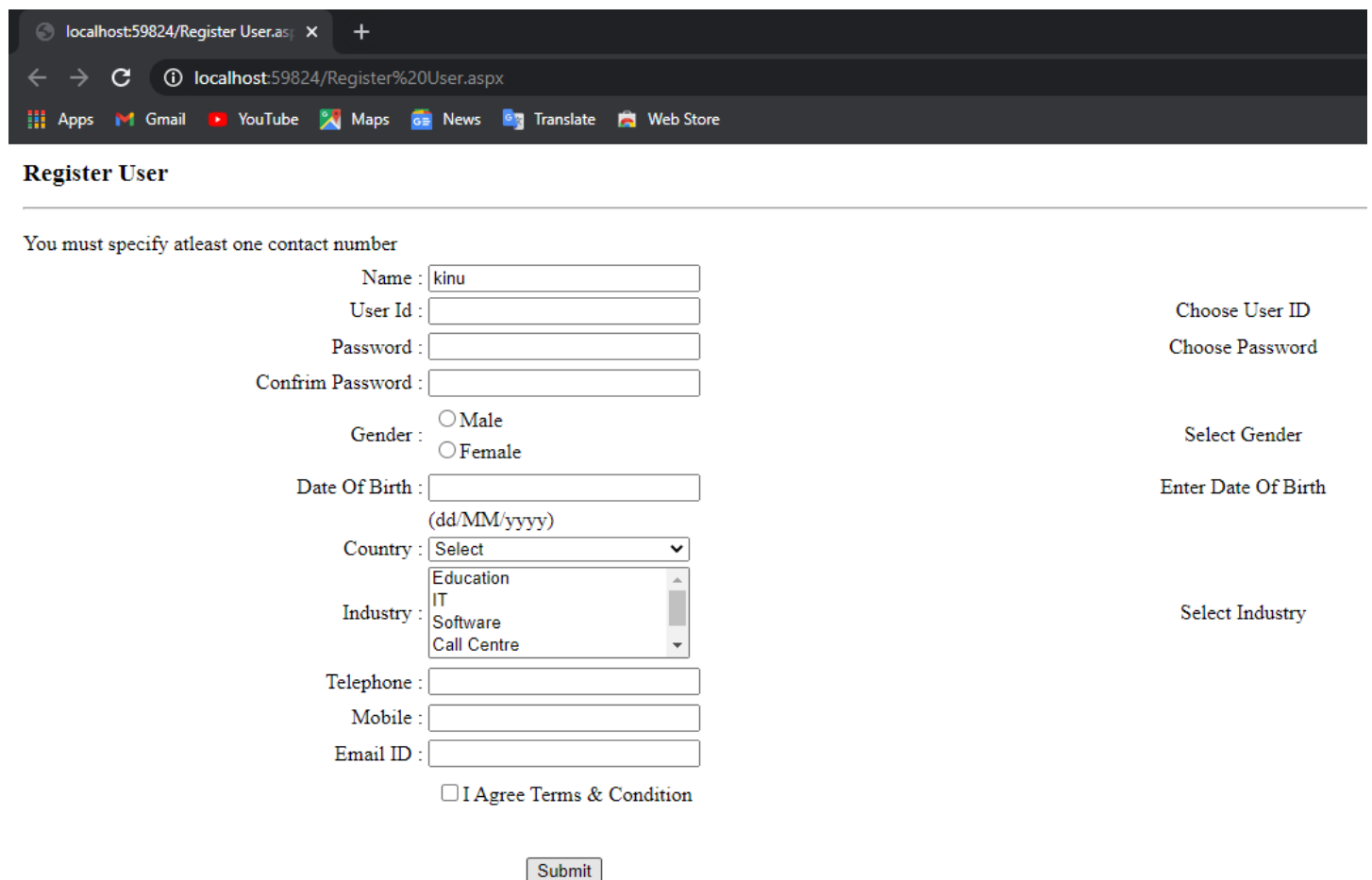
```
                            <asp:TextBox ID="boxemail" runat="server" Width="200px"></asp:TextBox>
                    </td>
                    <td class="auto-style11"></td>
            </tr>
            <tr>
                    <td class="auto-style11"></td>
                    <td class="auto-style10">
                            <asp:CheckBox ID="CheckBox1" runat="server" Text="I Agree Terms &amp; Condition" />
                    </td>
                    <td class="auto-style11"></td>
            </tr>
            <tr>
                    <td class="auto-style11" colspan="3"></td>
            </tr>
            <tr>
                    <td class="auto-style11"></td>
                    <td class="auto-style10">
                            <asp:Button ID="Button1" runat="server" Text="Submit" />
                    </td>
                    <td class="auto-style11"></td>
            </tr>
            <tr>
                    <td class="auto-style13" colspan="3"> </td>
            </tr>
        </table>

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

Output : -Designing Part

1st utput:

2nd output :-

Practical no 2:

Procedure:-

```csharp
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 practical_no_2
{
    public partial class Form1 : Form
    {
        Double resultValue = 0;
        String operationPerformed = " ";
        bool isOperationPerformed = false;

        public Form1()
        {
            InitializeComponent();
        }
        private void button_click(object sender, EventArgs e)
        {
            if ((textBox_Result.Text == "0")||(isOperationPerformed))
                textBox_Result.Clear();
            isOperationPerformed = false;
            Button button = (Button)sender;
            if (button.Text == ".")
            {
                if(!textBox_Result.Text.Contains("."))
                    textBox_Result.Text = textBox_Result.Text + button.Text;
            }else
            textBox_Result.Text = textBox_Result.Text + button.Text;
        }

        private void operator_click(object sender, EventArgs e)
        {
            Button button = (Button)sender;
            if (resultValue != 0)
            {
                button20.PerformClick();
                operationPerformed = button.Text;
                labelCurrentOperation.Text = resultValue + "" + operationPerformed;
                isOperationPerformed = true;
            }
            else
            {
                operationPerformed = button.Text;
                resultValue = Double.Parse(textBox_Result.Text);
                labelCurrentOperation.Text = resultValue + " " + operationPerformed;
                isOperationPerformed = true;
            }
        }

        private void button5_Click(object sender, EventArgs e)
        {
            textBox_Result.Text = "0";
        }
```
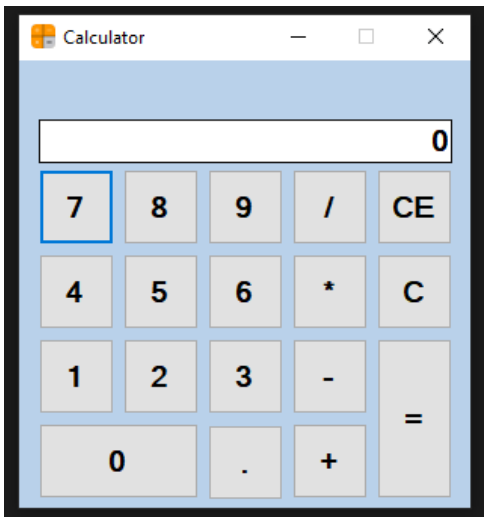
```csharp
        private void button10_Click(object sender, EventArgs e)
        {
            textBox_Result.Text = "0";
            resultValue = 0;
        }

        private void button20_Click(object sender, EventArgs e)
        {
            switch(operationPerformed)
            {
                case "+":
                    {
                        textBox_Result.Text = (resultValue +
Double.Parse(textBox_Result.Text)).ToString();
                        break;
                    }
                case "-":
                    {
                        textBox_Result.Text = (resultValue -
Double.Parse(textBox_Result.Text)).ToString();
                        break;
                    }
                case "*":
                    {
                        textBox_Result.Text = (resultValue *
Double.Parse(textBox_Result.Text)).ToString();
                        break;
                    }
                case "/":
                    {
                        textBox_Result.Text = (resultValue /
Double.Parse(textBox_Result.Text)).ToString();
                        break;
                    }
                default:
                    break;
            }
            resultValue = Double.Parse(textBox_Result.Text);
            labelCurrentOperation.Text = "";
        }
    }
}
```
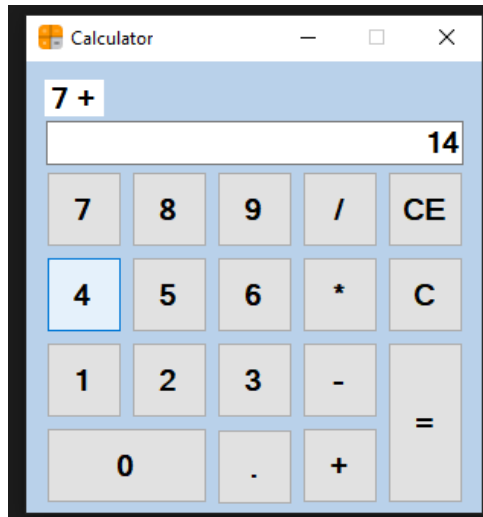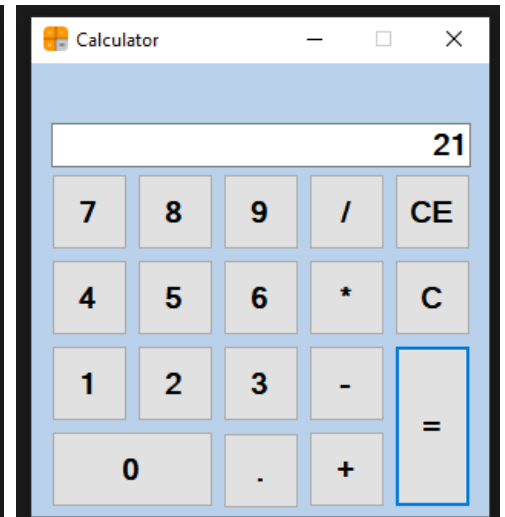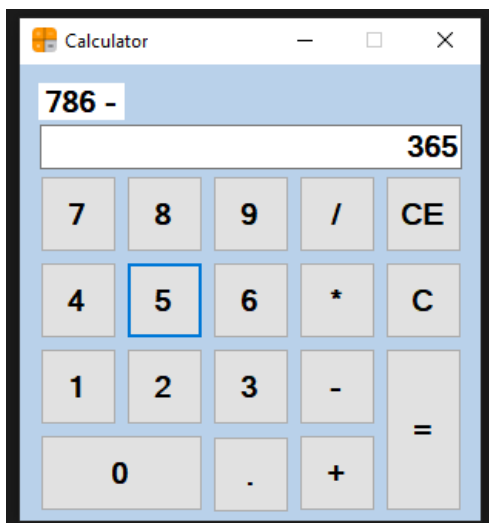
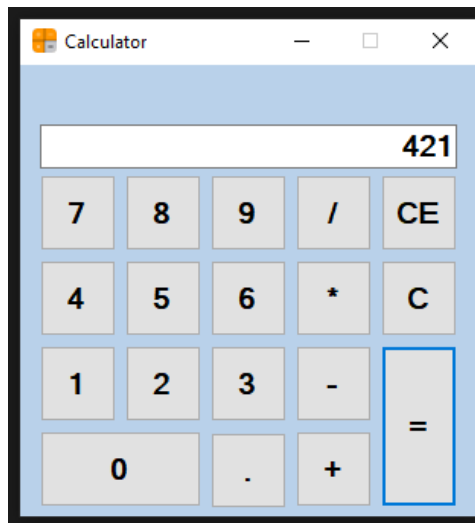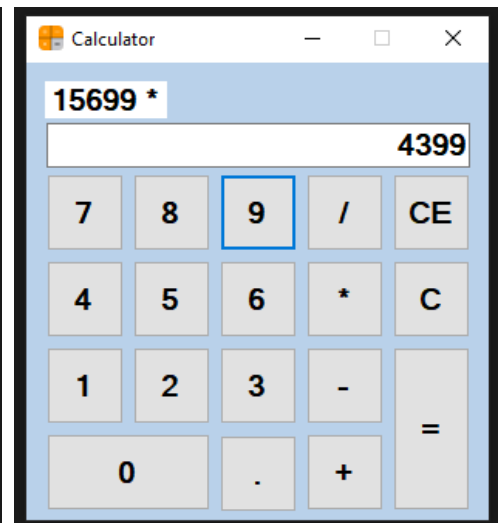**Output: Designing Part :-**   **1ˢᵗ output addition part:-**   **addition ans:-**

2nd output:- Subtraction

Calculator — □ ✕

786 -

365

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	

subtraction ans:-

Calculator — □ ✕

421

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	

3rd output:- multiplication

Calculator — □ ✕

15699 *

4399

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	

Multiplication ans:-

Calculator — □ ✕

69059901

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	

4th output:- division

Calculator — □ ✕

15 /

4

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	

division ans:-

Calculator — □ ✕

3.75

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	

5th output :- clear button

Calculator — □ ✕

0

7	8	9	/	CE
4	5	6	*	C
1	2	3	-	=
0		.	+	
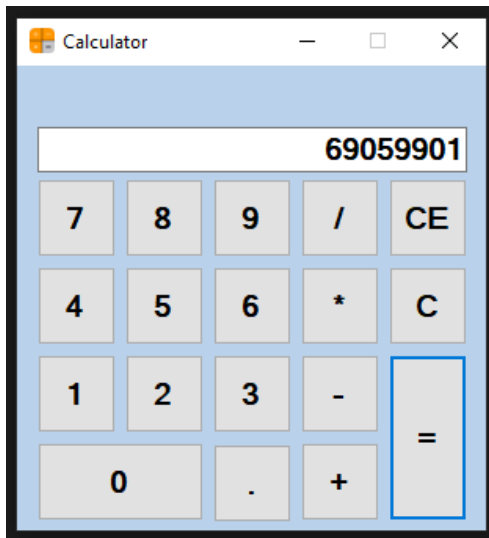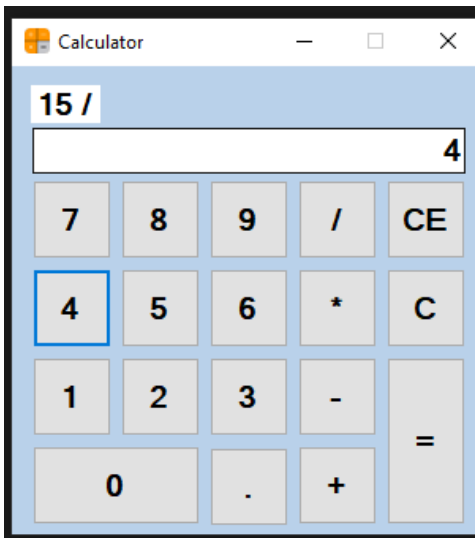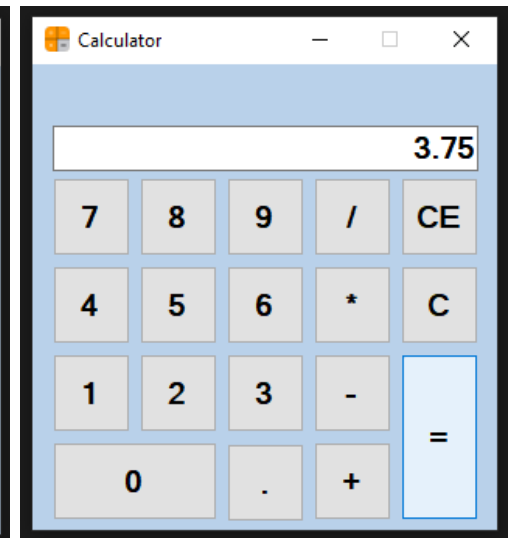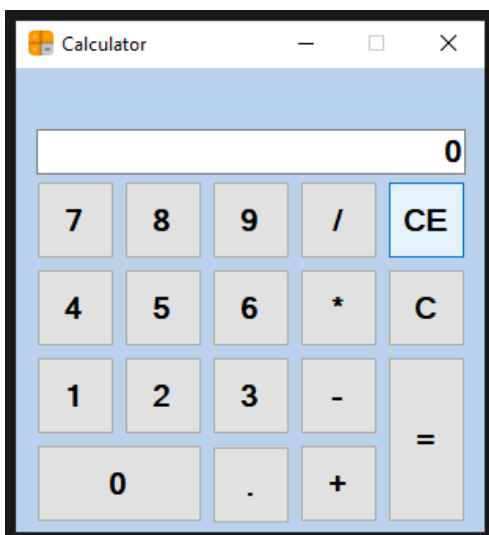
Practical no 3:

Procedure :- using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace Practical3
{
    class Program
    {
        static void Main(string[] args)
        {
            int a, b;
            Nullable<int> result= null;
            Console.WriteLine("*****MENU*****");
            Console.WriteLine("1)LAYS-5 Rs");
            Console.WriteLine("2)COKE-20 Rs");
            Console.WriteLine("3)WATER-30 Rs");
            Console.WriteLine("4)CHOCOLATE-20 Rs");
            Console.WriteLine("5)JUICE-25 Rs");

            Console.WriteLine("Enter the amount:");
            a = Convert.ToInt32(Console.ReadLine());
            Console.WriteLine("Enter your choice:");
            b = Convert.ToInt32(Console.ReadLine());

            switch (b)
            {
                case 1: result = a - 5; break;
                case 2: result = a - 20; break;
                case 3: result = a - 30; break;
                case 4: result = a - 20; break;
                case 5: result = a - 25; break;
            }
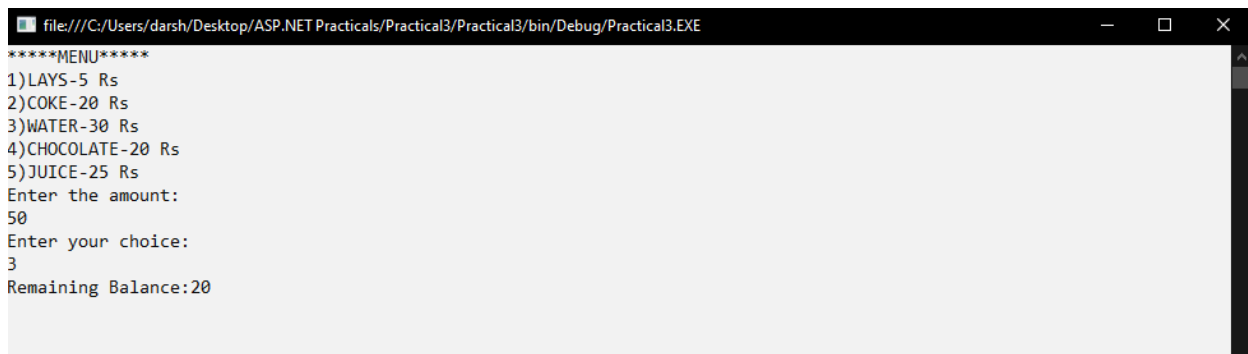   Console.WriteLine("Remaining Balance:" +result);
            Console.ReadKey();
        }
    }
}

Output:

```
file:///C:/Users/darsh/Desktop/ASP.NET Practicals/Practical3/Practical3/bin/Debug/Practical3.EXE        —    □    X

*****MENU*****
1)LAYS-5 Rs
2)COKE-20 Rs
3)WATER-30 Rs
4)CHOCOLATE-20 Rs
5)JUICE-25 Rs
Enter the amount:
50
Enter your choice:
3
Remaining Balance:20
```
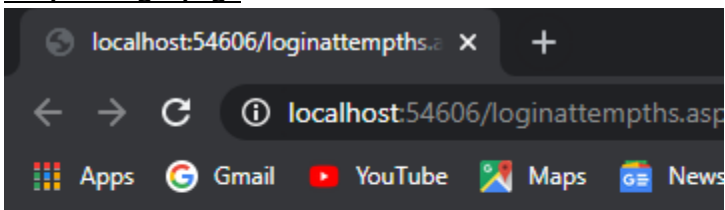
Practical No.4:-

Procedure:-

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

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

    }
    public static int num;
    public void count()
    {
        num++;
    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        if (num < 3)
        {
            if (TextBox1.Text == "Darshan" && TextBox2.Text == "pass")
            {
                Label1.Text = TextBox1.Text + " is successfully logged in !!!";
            }
            else
            {
                count();
                Label1.Text = "Username and password is incorrect!!! "+(num)+" Attempts";
            }
            TextBox1.Text = "";
        }
        else
        {
            Label1.Text = "tired for too many time!!!";
            TextBox1.Text = "";
            TextBox1.Enabled = false;
            TextBox2.Enabled = false;
        }
    }
}
```
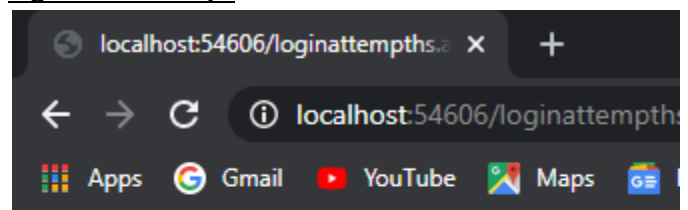
Output:- login page

login successfully:-

incorrect user & pass:-
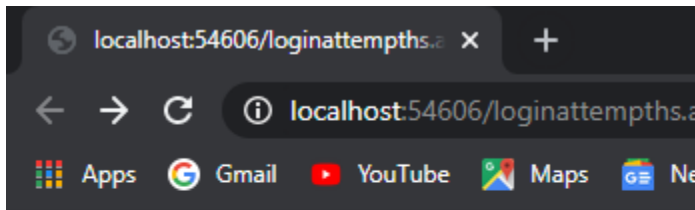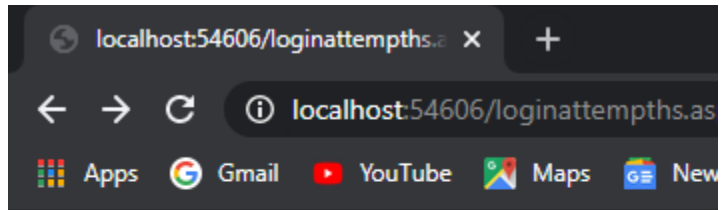

Login Page
Username : admin
Password : ••••••
Login

1 Attempts:-

Login Page
Username : [   ]
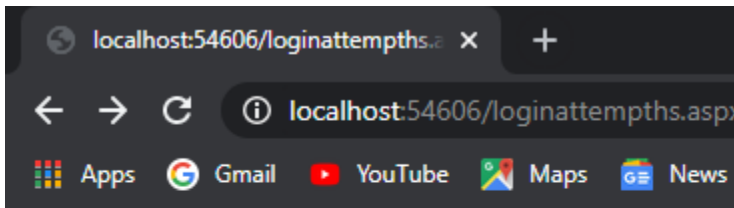Password : [   ]
Login

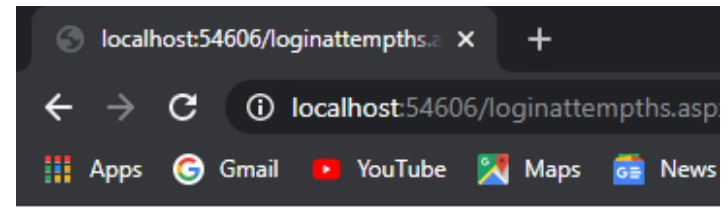Username and password is incorrect!!! 1 Attempts

2 Attempts:-

Login Page
Username : [   ]
Password : [   ]
Login

Username and password is incorrect!!! 2 Attempts

3 Attempts:-

Login Page
Username : [   ]
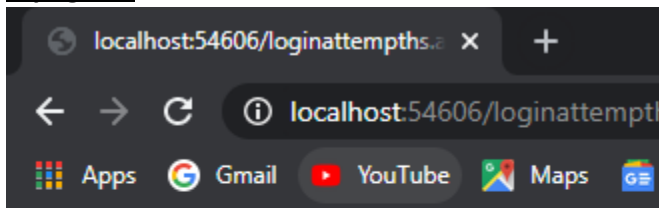Password : [   ]
Login

Username and password is incorrect!!! 3 Attempts

Try again:-

Login Page
Username : [   ]
Password : [   ]
Login

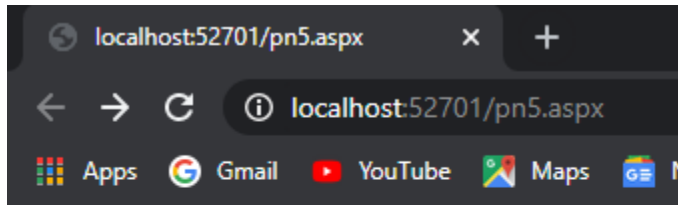tired for too many time!!!

Practical No.5:-

Procedure:-

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

public partial class pn5 : System.Web.UI.Page
{
    protected void Button1_Click(object sender, EventArgs e)
    {
        Label1.Text = "Total is" + Convert.ToInt32(TextBox1.Text) * Convert.ToInt32(TextBox2.Text);
    }

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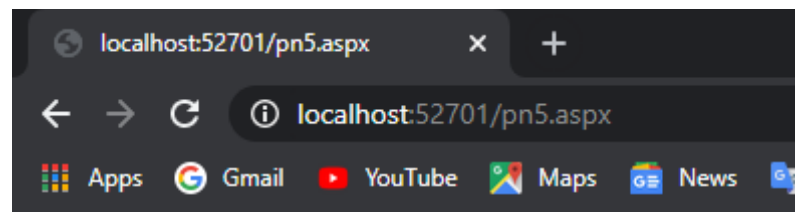
Output:-