



Q.1 Enter two number then perform +, -, *, / & %.

CALCULATOR

ENTER FIRST NUMBER 3

ENTER SECOND NUMBER 9

+ - * / %

ANSWER 12

```
protected void Button1_Click(object sender, EventArgs e)
{
    int a, b, c;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    c = a + b;
    Label3.Text = Convert.ToString(c);
}

protected void Button2_Click(object sender, EventArgs e)
{
    int a, b, c;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    c = a - b;
    Label3.Text = Convert.ToString(c);
}

protected void Button3_Click(object sender, EventArgs e)
{
    int a, b, c;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    c = a * b;
    Label3.Text = Convert.ToString(c);
}

protected void Button4_Click(object sender, EventArgs e)
{
    int a, b, c;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    c = a / b;
}
```

```

        Label3.Text = Convert.ToString(c);
    }
protected void Button5_Click(object sender, EventArgs e)
{
    int a, b, c;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    c = a % b;
    Label3.Text = Convert.ToString(c);
}

```

Q.2 Area of triangle?

The screenshot shows a web page with a red header containing the title "AREA OF TRIANGLE". Below the header are two input fields: "Enter Base" with the value "2" and "Enter Height" with the value "4". Underneath these fields is a button labeled "Calculate Now!". Below the button are two output fields: one labeled "Area" with the value "4" and another field also showing the value "4".

```

protected void Button1_Click(object sender, EventArgs e)
{
    double b, h, A;
    b = Convert.ToDouble(TextBox1.Text);
    h = Convert.ToDouble(TextBox2.Text);
    A = 0.5 * b * h;
    Label1.Text = Convert.ToString(A);
}

```

Q.3 Create a Student Marksheets.

The screenshot shows a web page with a red header containing the title "MARKSHEET". Below the header is a table with the following data:

NAME	Ankur
CLASS	11
ROLL NO.	1234
SUB1	100
SUB2	86
SUB3	90
SUB4	95
SUB5	100
TOTAL	452
PERCENTAGE	90.4 Pass

```

protected void Button1_Click(object sender, EventArgs e)
{
    int m1, m2, m3, m4, m5, total;
    double per;
    m1 = Convert.ToInt32(TextBox4.Text);
    m2 = Convert.ToInt32(TextBox5.Text);
    m3 = Convert.ToInt32(TextBox6.Text);
    m4 = Convert.ToInt32(TextBox5.Text);
    m5 = Convert.ToInt32(TextBox6.Text);
    total = m1 + m2 + m3 + m4 + m5;
    per = total * 0.2;
    Label2.Text = Convert.ToString(total);
    Label3.Text = Convert.ToString(per);

    if (per > 35)
    {
        Label4.Text = Convert.ToString("Pass");
    }
    else
    {
        Label4.Text = Convert.ToString("Fail");
    }
}

```

Q.4 Average of three numbers?

AVERAGE OF THREE NUMBERS

First Number	1
Second Number	2
Third Number	3
Calculate Now!	
Average	2

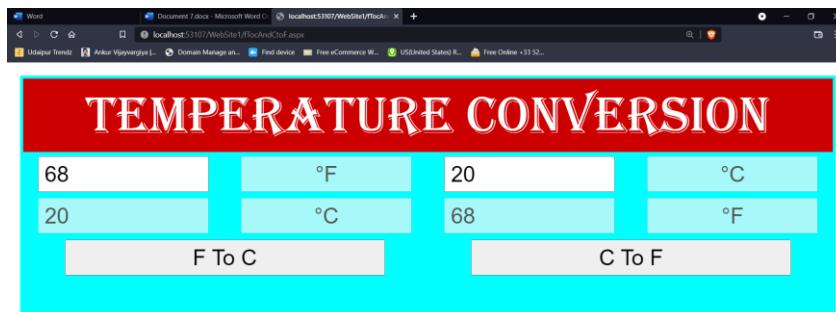
```

protected void Button1_Click(object sender, EventArgs e)
{
    int a, b, c, Avg;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    c = Convert.ToInt32(TextBox3.Text);
    Avg = (a + b + c) / 3;
}

```

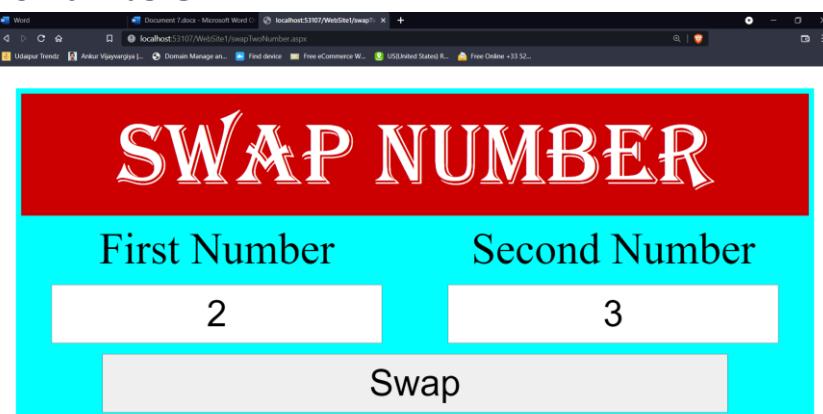
```
        Label1.Text = Convert.ToString(Avg);
    }
}
```

Q.5 Temperature Conversion?



```
protected void Button1_Click(object sender, EventArgs e)
{
    Double F, C;
    F = Convert.ToInt32(TextBox1.Text);
    C = (F - 32) / 1.8;
    TextBox5.Text = Convert.ToString(C);
}
protected void Button2_Click(object sender, EventArgs e)
{
    Double F, C;
    C = Convert.ToInt32(TextBox3.Text);
    F = C * 1.8 + 32;
    TextBox7.Text = Convert.ToString(F);
}
```

Q.6 Swap two numbers?



```
protected void Button1_Click(object sender, EventArgs e)
```

```

{
    int a, b, temp;
    a = Convert.ToInt32(TextBox1.Text);
    b = Convert.ToInt32(TextBox2.Text);
    temp = a;
    a = b;
    b = temp;
    TextBox1.Text = Convert.ToString(a);
    TextBox2.Text = Convert.ToString(b);
}

```

Q.7 Change color of label via button?

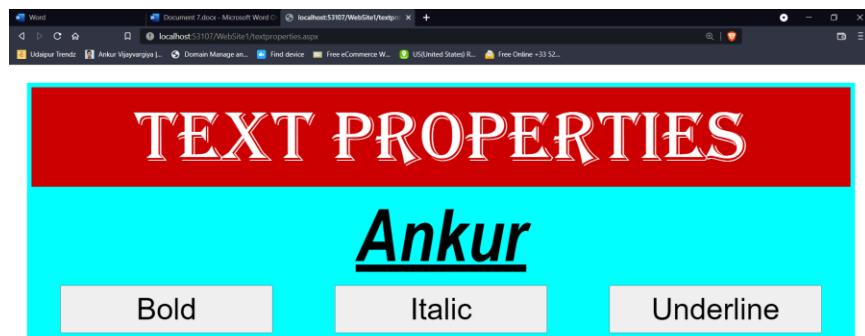


```

protected void Button1_Click(object sender, EventArgs e)
{
    Label1.ForeColor = System.Drawing.Color.Red;
}
protected void Button2_Click(object sender, EventArgs e)
{
    Label1.ForeColor = System.Drawing.Color.Green;
}
protected void Button3_Click(object sender, EventArgs e)
{
    Label1.ForeColor = System.Drawing.Color.Yellow;
}
protected void Button4_Click(object sender, EventArgs e)
{
    Label1.ForeColor = System.Drawing.Color.Blue;
}

```

Q.8 Change properties of label via button (Bold, Italic & Underline**)?**



```
protected void Button1_Click(object sender, EventArgs e)
{
    Label1.Font.Bold = true;
}
protected void Button2_Click(object sender, EventArgs e)
{
    Label1.Font.Italic = true;
}
protected void Button3_Click(object sender, EventArgs e)
{
    Label1.Font.Underline = true;
}
```

Q.9 Calculate net salary when DA = 10.56%, TA = 11.56%, HRA = 9.12%, PF = 10.50%, LIC = 14.76?

Enter Basic Salary	10000
Calculate	
Net Salary	10598

```
protected void Button1_Click(object sender, EventArgs e)
{
    double basic, net, da, ta, hra, pf, lic;
```

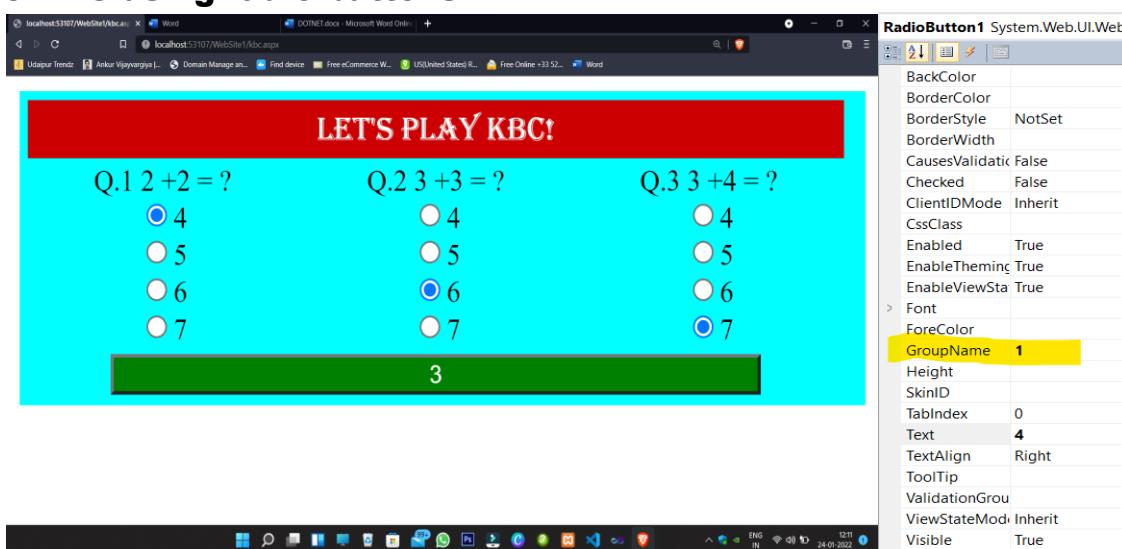
```

basic = Convert.ToDouble(TextBox1.Text);

if (basic > 0)
{
    da = basic * 10.56 / 100;
    ta = basic * 11.56 / 100;
    hra = basic * 9.12 / 100;
    pf = basic * 10.50 / 100;
    lic = basic * 14.76 / 100;
    net = basic + da + ta + hra -(pf + lic);
    Label1.Text = Convert.ToString(net);
}
else
{
    Label1.Text = Convert.ToString("Salary is 0 or less!");
}
}

```

Q.10 KBC using radio buttons.



Note: Radio buttons of same question have same GroupName

```

protected void Button1_Click(object sender, EventArgs e)
{
    int n = 0;
    if (RadioButton1.Checked)
    {
        n += 1;
    }
    if (RadioButton7.Checked)
    {
        n += 1;
    }
}

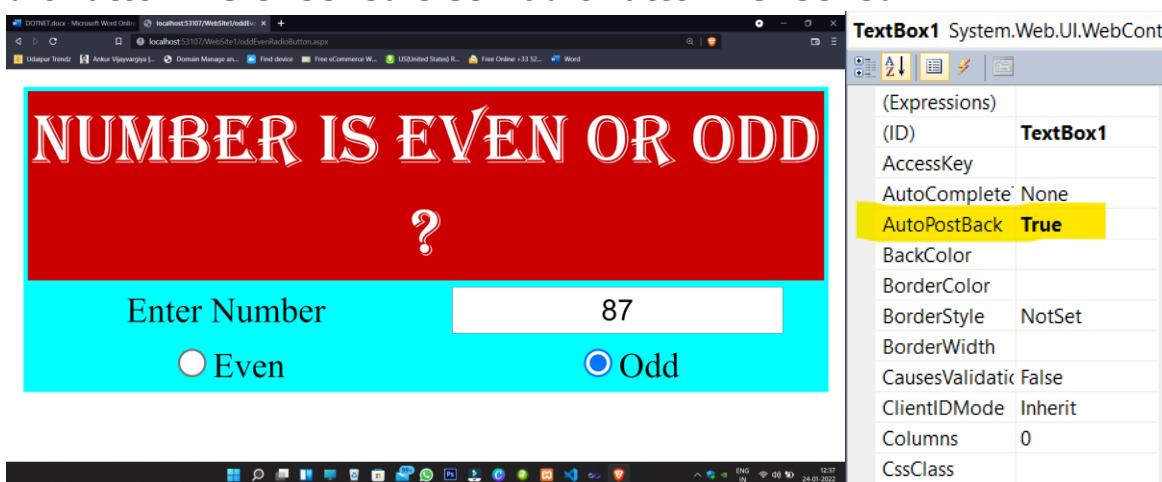
```

```

        }
        if (RadioButton12.Checked)
        {
            n += 1;
        }
        Button1.Text = Convert.ToString(n);
        Button1.BackColor = System.Drawing.Color.Green;
        Button1.ForeColor = System.Drawing.Color.White;
        Button1.Enabled = false;
    }
}

```

Q.11 Create a text box and two radio buttons then if user input is Even RadioButton1 is Checked else RadioButton2 Checked.



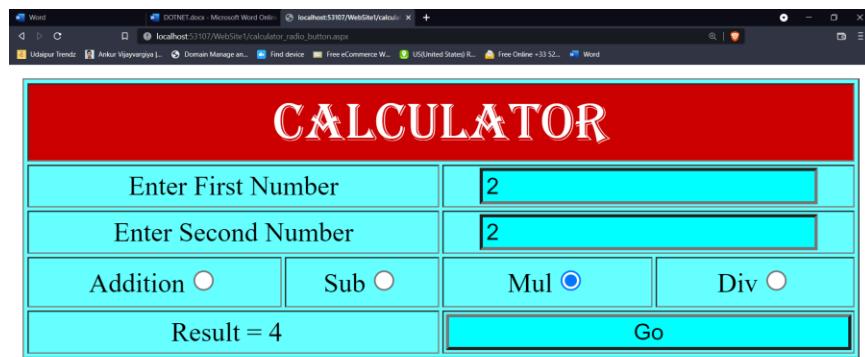
```
protected void TextBox1_TextChanged(object sender, EventArgs e)
```

```

    {
        RadioButton1.Checked = false;
        RadioButton2.Checked = false;
        int n = Convert.ToInt32(TextBox1.Text);
        if (n % 2 == 0)
        {
            RadioButton1.Checked = true;
        }
        else
        {
            RadioButton2.Checked = true;
        }
    }
}

```

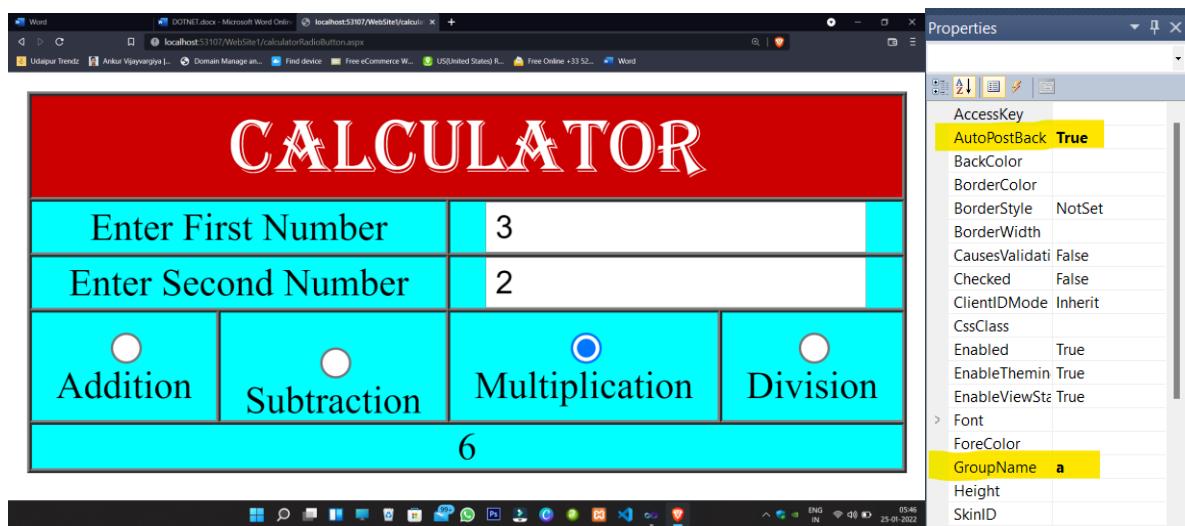
Q.12 Calculator using radio button.



```
protected void Button1_Click(object sender, EventArgs e)
```

```
{
    int a, b, c;
    a = Convert.ToInt32(textBox1.Text);
    b = Convert.ToInt32(textBox2.Text);
    if (addRadioButton.Checked)
    {
        c = a + b;
        Label1.Text = Convert.ToString(c);
    }
    if (subRadioButton.Checked)
    {
        c = a - b;
        Label1.Text = Convert.ToString(c);
    }
    if (mulRadioButton.Checked)
    {
        c = a * b;
        Label1.Text = Convert.ToString(c);
    }
    if (divRadioButton.Checked)
    {
        c = a / b;
        Label1.Text = Convert.ToString(c);
    }
}
```

Q.13 Calculator using radio button without button (Auto Post Radio Buttons).



```

protected void RadioButton1_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton1.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a + b;
        Label1.Text = Convert.ToString(c);
    }
}
protected void RadioButton2_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton2.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a - b;
        Label1.Text = Convert.ToString(c);
    }
}
protected void RadioButton3_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton3.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a * b;
    }
}

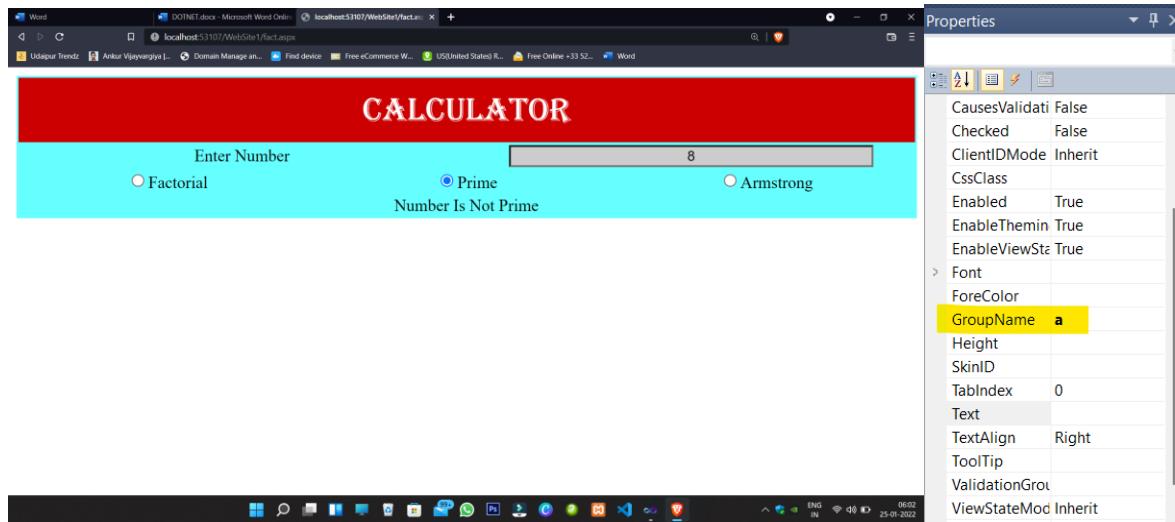
```

```

        Label1.Text = Convert.ToString(c);
    }
}
protected void RadioButton4_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton4.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a / b;
        Label1.Text = Convert.ToString(c);
    }
}

```

Q.14 Perform operation using radio buttons: Factorial, Prime, Armstrong.



//-----Code For Factorial-----

```

protected void RadioButton1_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton1.Checked)
    {
        int n, fact=1;
        n = Convert.ToInt32(TextBox1.Text);
        for (int i = 1; i <= n; i++)
        {
            fact *= i;
        }
        Label1.Text = Convert.ToString(fact);
    }
}

```

//-----Code to check number is Prime or not-----

```

protected void RadioButton2_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton2.Checked)
    {
        int n = Convert.ToInt32(TextBox1.Text);
        bool isPrime = true;

        for (int i = 2; i < n / 2; i++)
        {
            if (n % i == 0)
            {
                isPrime = false;
                break;
            }
        }
        if (isPrime)
        {
            Label1.Text = Convert.ToString("Number Is Prime");
        }
        else
        {
            Label1.Text = Convert.ToString("Number Is Not Prime");
        }
    }
}

//-----Code to check number is Armstrong or not-----
protected void RadioButton3_CheckedChanged(object sender, EventArgs e)
{
    if (RadioButton3.Checked)
    {
        int n, r, sum = 0, temp;
        n = Convert.ToInt32(TextBox1.Text);
        temp = n;
        while (n > 0)
        {
            r = n % 10;
            sum = sum + (r * r * r);
            n = n / 10;
        }
        if (temp == sum)
        {
            Label1.Text = Convert.ToString("Number Is Armstrong");
        }
        else
    }
}

```

```

    {
        Label1.Text = Convert.ToString("Number Is Not Armstrong");
    }
}
}
}

```

Q.15 Max of three numbers using nested If-else statements.

MAX OF THREE NUMBERS

Enter First Number	Enter Second Number	Enter Third Number
4	3	5
Go		
C is Max		

```
protected void Button1_Click(object sender, EventArgs e)
```

```

{
    int a = Convert.ToInt32(TextBox1.Text);
    int b = Convert.ToInt32(TextBox2.Text);
    int c = Convert.ToInt32(TextBox3.Text);

    if (a > b)
    {
        if (a > c)
            Label1.Text = "A is Max";
        else
            Label1.Text = "C is Max";
    }
    else
    {
        if (b > c)
            Label1.Text = "B is Max";
        else
            Label1.Text = "C is Max";
    }
}

```

Q.16 Max of three numbers using ladder If-else statements.

MAX OF THREE NUBERS

2	3	4
Button		
C is Max		

```
protected void Button1_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(TextBox1.Text);
    int b = Convert.ToInt32(TextBox2.Text);
    int c = Convert.ToInt32(TextBox3.Text);

    if (a > b && a > c)
        Label1.Text = "A is Max";
    else if (b > a && b > c)
        Label1.Text = "B is Max";
    else
        Label1.Text = "C is Max";
}
```

Q.17 Sum of all numbers in given range.

SUM OF NUMBERS IN RANGE

Enter Range	5
Go	
Sum	15

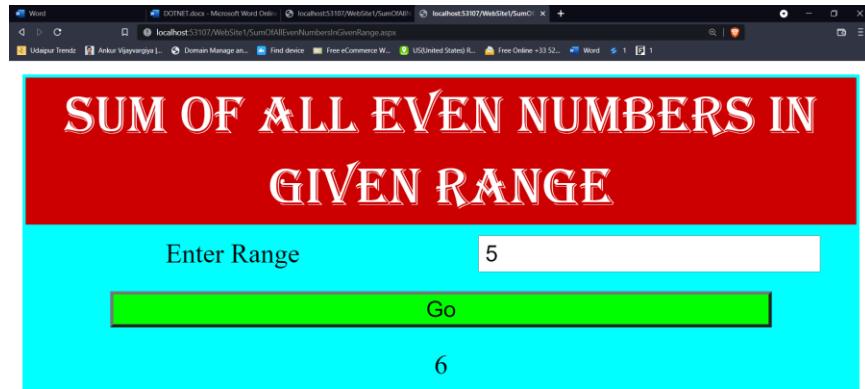
```
protected void Button1_Click(object sender, EventArgs e)
{
    int n = Convert.ToInt32(TextBox1.Text), sum = 0;
    for (int i = 1; i <= n; i++)
        sum += i;
```

```

        }
        Label1.Text = sum.ToString();
    }
}

```

Q.18 Sum of all even numbers in given range.



```

protected void Button1_Click(object sender, EventArgs e)
{
    int n = Convert.ToInt32(TextBox1.Text), sum = 0;
    for (int i = 0; i <= n; i+=2)
    {
        sum += i;
    }
    Label1.Text = sum.ToString();
}

```

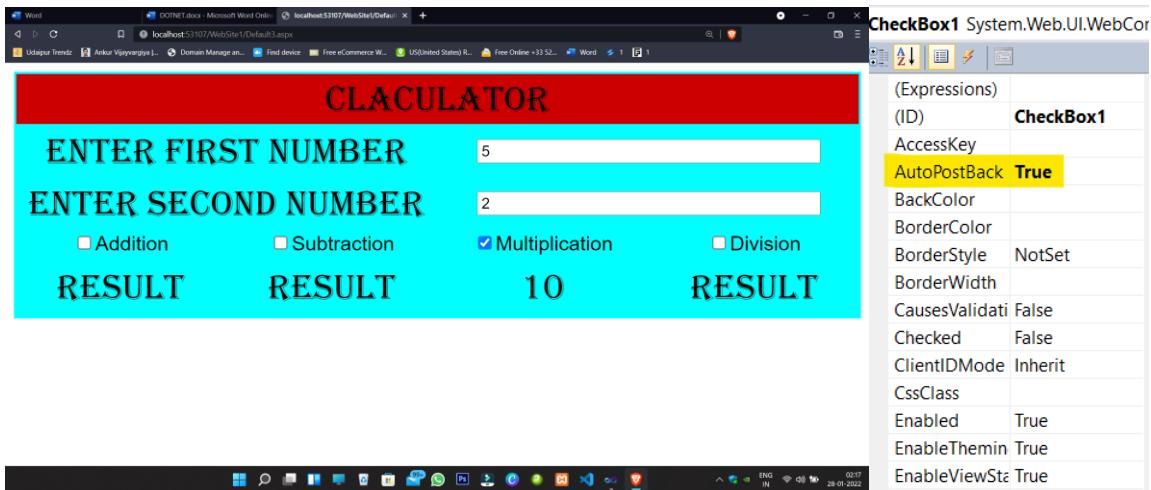
//----- Alternative Code-----

```

protected void Button1_Click (object sender, EventArgs e)
{
    int n = Convert.ToInt32(TextBox1.Text), sum = 0;
    for (int i = 0; i <= n; i++)
    {
        if (i % 2 == 0)
        {
            sum += i;
        }
    }
    Label1.Text = sum.ToString();
}

```

Q.19 Calculator using Check Box without button (Auto Post Checkbox).



```

protected void CheckBox1_CheckedChanged(object sender, EventArgs e)
{
    if (CheckBox1.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a + b;
        Label1.Text = Convert.ToString(c);
    }
}
protected void CheckBox2_CheckedChanged(object sender, EventArgs e)
{
    if (CheckBox2.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a - b;
        Label2.Text = Convert.ToString(c);
    }
}
protected void CheckBox3_CheckedChanged(object sender, EventArgs e)
{
    if (CheckBox3.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a * b;
        Label3.Text = Convert.ToString(c);
    }
}

```

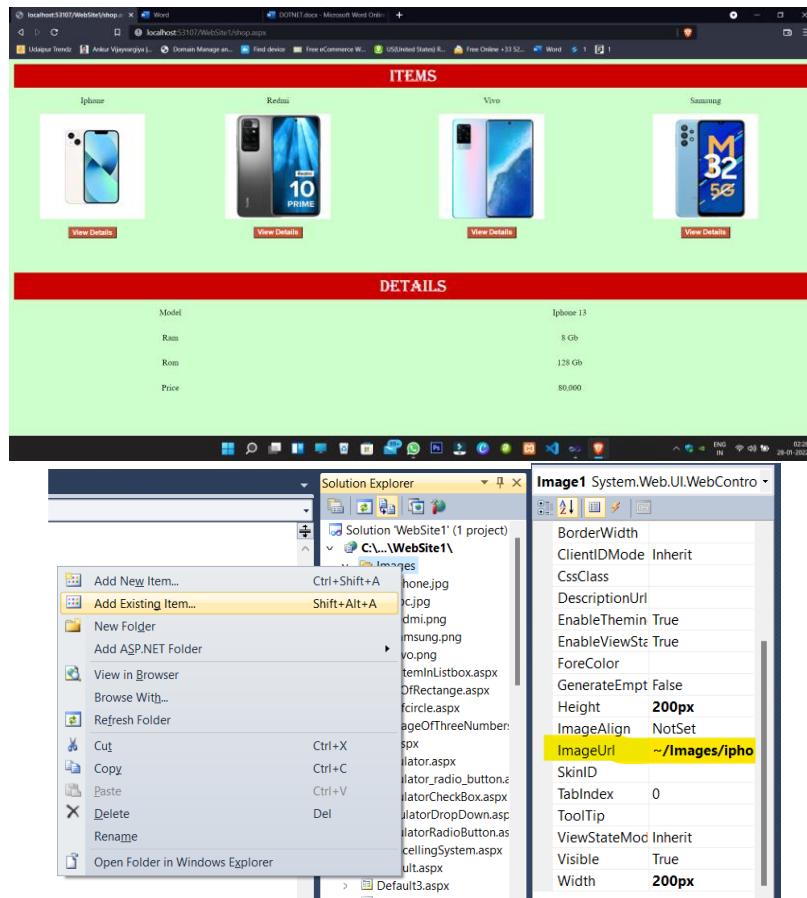
```

}

protected void CheckBox4_CheckedChanged(object sender, EventArgs e)
{
    if (CheckBox4.Checked == true)
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a / b;
        Label4.Text = Convert.ToString(c);
    }
}

```

Q.20 Shop Product Details



//-----Function To show Details-----

```

public void myfun(string model, string ram, string rom, string price){
    Label1.Text = Convert.ToString(model);
    Label2.Text = Convert.ToString(ram);
    Label3.Text = Convert.ToString(rom);
    Label4.Text = Convert.ToString(price);
}

```

```

protected void Button1_Click (object sender, EventArgs e)

```

```

{
    string model, ram, rom, price;
    model = "Iphone 13";
    ram = "8 Gb";
    rom = "128 Gb";
    price = "80,000";

    myfun(model,ram,rom,price);
}
protected void Button2_Click(object sender, EventArgs e)
{
    string model, ram, rom, price;
    model = "Redmi 10 Prime";
    ram = "4 Gb";
    rom = "64 Gb";
    price = "15,000";

    myfun(model, ram, rom, price);
}
protected void Button3_Click(object sender, EventArgs e)
{
    string model, ram, rom, price;
    model = "Vivo X60";
    ram = "8 Gb";
    rom = "128 Gb";
    price = "35,000";

    myfun(model, ram, rom, price);
}
protected void Button4_Click(object sender, EventArgs e)
{
    string model, ram, rom, price;
    model = "Samsung Galaxy M32";
    ram = "8 Gb";
    rom = "128 Gb";
    price = "21,000";

    myfun(model, ram, rom, price);
}

```

Q.21 Age Calculator (In Months & In Days).

AGE CALCULATOR

Enter Age In Years	19	Go
Your Age In Months	228	
Your Age In Days	6935	

TextBox2 System.Web.UI.WebControls.TextBox

EnableThemer	True
EnableViewSt	True
Font	
ForeColor	
Height	
MaxLength	0
ReadOnly	True
Rows	0
SkinID	
TabIndex	0
Text	
TextMode	SingleLine
ToolTip	
ValidationGro	
ViewStateMod	Inherit
Visible	True
Width	80%
Wrap	True

```
protected void Button1_Click(object sender, EventArgs e)
{
    int ageInYears = Convert.ToInt32(TextBox1.Text);
    int ageInMonths = ageInYears * 12;
    TextBox2.Text = ageInMonths.ToString();
    int ageInDays = ageInYears * 365;
    TextBox3.Text = ageInDays.ToString();
}
```

Q.22 Eligible for vote or not using Ternary Operator.

ARE YOU ELIGIBLE TO VOTE ?

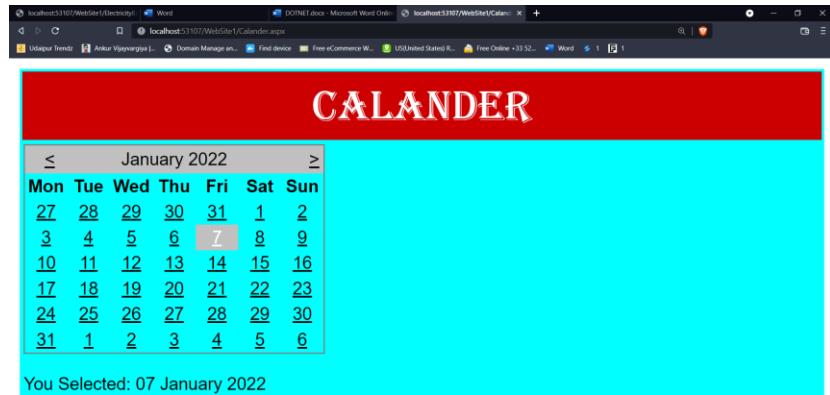
Enter your Age	15
You're Not Eligible	

TextBox1 System.Web.UI.WebControls.TextBox

(Expressions)	
(ID)	TextBox1
AccessKey	
AutoComplete	None
AutoPostBack	True
BackColor	
BorderColor	
BorderStyle	NotSet
BorderWidth	
CausesValidati	False
ClientIDMode	Inherit
Columns	0
CssClass	
Enabled	True
EnableThemer	True
EnableViewSt	True
Font	

```
protected void TextBox1_TextChanged(object sender, EventArgs e)
{
    int age = Convert.ToInt32(TextBox1.Text);
    Label1.Text = (age >= 18) ? "You're Eligible" : "You're Not Eligible" ;
}
```

Q.23 Print selected date from calendar.



```
protected void Calendar1_SelectionChanged(object sender, EventArgs e)
{
    Label1.Text = "You Selected: " + Calendar1.SelectedDate.ToString("D");
}
```

Q.24 Electricity Bill Generator.

Conditions:

- i. Unit <= 100 => Amt = 500
- ii. Unit<=200 => Amt = 500+(unit-100) *2
- iii. Unit<=300 => Amt = 700+(unit-200) *3
- iv. Unit<=400 => Amt = 1000+(unit-300) *4
- v. Unit<=500 => Amt = 1400+(unit-400) *5
- vi. Unit>500 => Amt = 1900+(unit-500) *6
- vii. Net Bill = Amt. + (12.24% Tax)

ELECTRICITY BILL	
Enter Number Of Units	218
Amount	754
TAX	92.2896
Total Bill	846.2896

```
protected void Button1_Click(object sender, EventArgs e)
```

```
{
    Double unit = Convert.ToDouble(textBox1.Text), Amt;

    if (unit > 0 && unit <= 100)
        Amt = 500;
    else if (unit > 100 && unit <= 200)
```

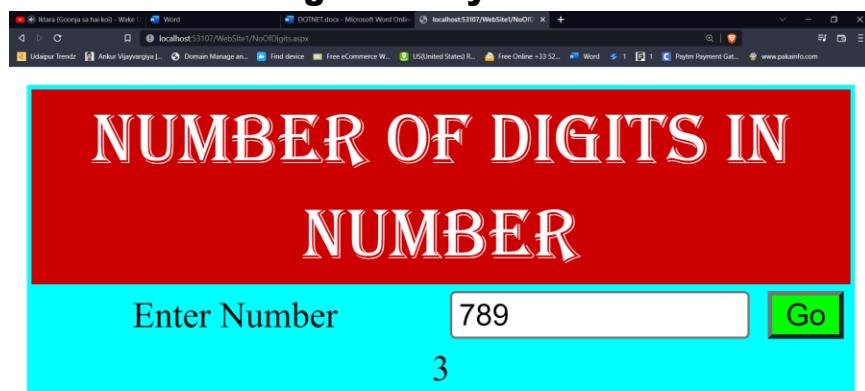
```

        Amt = 500 + (unit - 100) * 2;
else if (unit > 200 && unit <= 300)
    Amt = 700 + (unit - 200) * 3;
else if (unit > 300 && unit <= 400)
    Amt = 1000 + (unit - 300) * 4;
else if (unit > 400 && unit <= 500)
    Amt = 1400 + (unit - 400) * 5;
else
    Amt = 1900 + (unit - 500) * 6;

Label1.Text = Amt.ToString();
Double Tax = Amt * (0.1224);
Label2.Text = Tax.ToString();
Double Total = Amt + Tax;
Label3.Text = Total.ToString();
}

```

Q.25 Calculate number of digits of any number



```

protected void Button1_Click(object sender, EventArgs e)
{
    int n = Convert.ToInt32(TextBox1.Text);
    int Count=0;
    while (n > 0)
    {
        Count++;
        n=(int)(n/10);
    }
    Label1.Text = Count.ToString();
}

```

Q.26 Calculate Power Of any number.

POWER OF NUMBER

Enter Base

Enter Power

Result

Go

```
protected void Button1_Click(object sender, EventArgs e)
{
    int b, p, res = 1;
    b = Convert.ToInt32(TextBox1.Text);
    p = Convert.ToInt32(TextBox2.Text);
    for (int i = 0; i < p; i++)
    {
        res *= b;
    }
    Label1.Text = res.ToString();
}
```

Q.27 Print table of numbers.

TABLE OF NUMBER

Enter Number

GO

2 4 6 8 10 12 14 16 18 20

```
protected void Button1_Click(object sender, EventArgs e)
{
    int n = Convert.ToInt32(TextBox1.Text);
    Label1.Text = " ";
    for (int i = 1; i <= 10; i++)
    {
        Label1.Text = Label1.Text + " " + (n * i).ToString();
    }
}
```

```
}
```

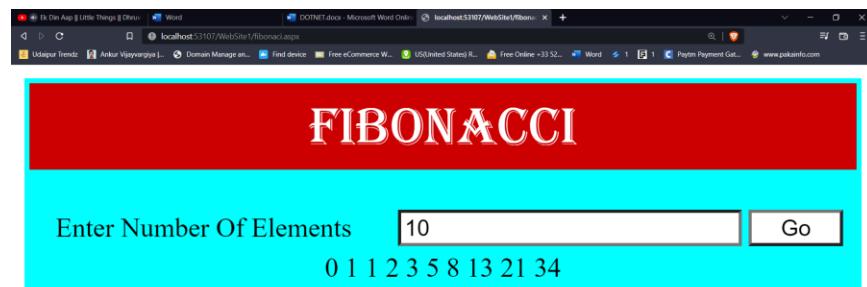
```
}
```

Q.28 Check the number is perfect or not.



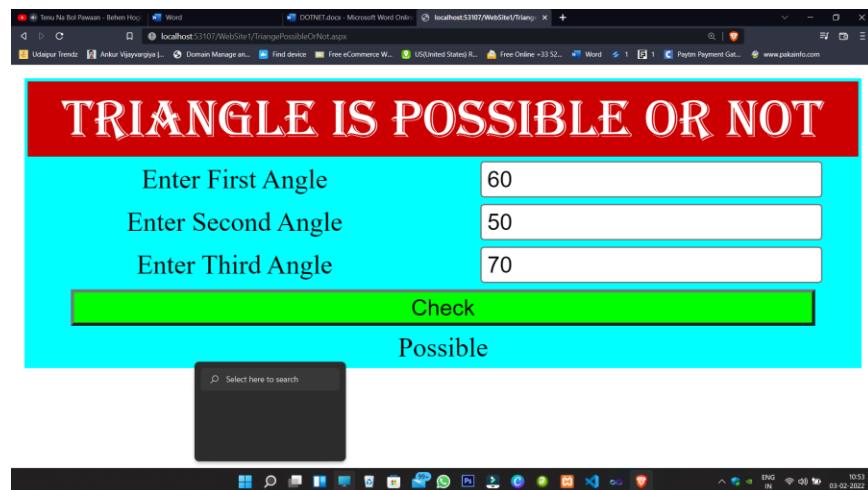
```
protected void Button1_Click(object sender, EventArgs e)
{
    int n, sum = 0;
    n = Convert.ToInt32(textBox1.Text);
    for (int i = 1; i < n; i++)
    {
        if (n % i == 0)
        {
            sum += i;
        }
    }
    if (sum == n)
        Label1.Text = "Yes Perfect";
    else
        Label1.Text = "Not Perfect";
}
```

Q.29 Print Fibonacci Series.



```
protected void Button1_Click(object sender, EventArgs e)
{
    int numberofElements = Convert.ToInt32(TextBox1.Text);
    int firstNumber = 0, SecondNumber = 1, nextNumber;
    if (numberofElements < 2)
    {
        Label1.Text = Convert.ToString("Enter Number of Elements Grater Than Two");
    }
    else
    {
        Label1.Text = firstNumber.ToString() + " " + SecondNumber.ToString();
        for (int i = 2; i < numberofElements; i++)
        {
            nextNumber = firstNumber + SecondNumber;
            Label1.Text = Label1.Text + " " + nextNumber.ToString();
            firstNumber = SecondNumber;
            SecondNumber = nextNumber;
        }
    }
}
```

Q.30 Enter three angles then check Triangle is possible or not.



```

protected void Button1_Click(object sender, EventArgs e)
{
    int firstAngle = Convert.ToInt32(TextBox1.Text);
    int SecondAngle = Convert.ToInt32(TextBox2.Text);
    int ThirdAngle = Convert.ToInt32(TextBox3.Text);
    bool possible = false;

    if (firstAngle + SecondAngle + ThirdAngle == 180)
    {
        if (firstAngle > 0)
            if (SecondAngle > 0)
                if (ThirdAngle > 0)
                    possible = true;
    }
    if (possible)
        Label1.Text = "Possible";
    else
        Label1.Text = "Not Possible";
}

```

Q.31 Find out the type of triangle.

The screenshot shows a web page with a red header containing the title "TYPE OF TRIANGLE". Below the header are three input fields labeled "Enter First Side", "Enter Second Side", and "Enter Third Side", each containing the values 8, 2, and 7 respectively. A large green "Go" button is positioned below these fields. At the bottom of the page, the text "Scalene triangle" is displayed.

```
protected void Button1_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(TextBox1.Text);
    int b = Convert.ToInt32(TextBox2.Text);
    int c = Convert.ToInt32(TextBox3.Text);
    if (a == b && b == c)
        Label1.Text = "Equilateral triangle";
    else if (a == b || a == c || b == c)
        Label1.Text = "Isosceles triangle";
    else
        Label1.Text = "Scalene triangle";
}
```

Q.32 Check the number Positive, Negative or Zero.

The screenshot shows a web page with a red header containing the title "NUMBER IS +VE, -VE OR ZERO". Below the header is an input field labeled "Enter Number" containing the value -9. To the right of the input field is a green "Go" button. Below the button, the text "-9 is Negative" is displayed.

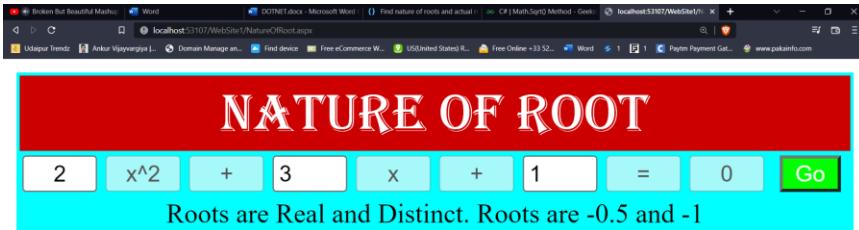
```
protected void Button1_Click(object sender, EventArgs e)
{
    int n = Convert.ToInt32(TextBox1.Text);
    if (n > 0)
        Label1.Text = n.ToString() + " is Positive";
    else if(n<0)
```

```

        Label1.Text = n.ToString() + " is Negative";
    else
        Label1.Text = n.ToString() + " is Zero";
    }

```

Q.33 Find out Nature of root and also find their Roots.



```
protected void Button1_Click(object sender, EventArgs e)
```

```

{
    int a, b, c, d;
    double x1, x2;

    a = Convert.ToInt32(textBox1.Text);
    b = Convert.ToInt32(textBox4.Text);
    c = Convert.ToInt32(textBox7.Text);

    d = b * b - 4 * a * c;
    if (d >= 0)
    {
        if (d == 0)
            Label1.Text = Label1.Text + " Roots are Real and Equal.";
        else
            Label1.Text = Label1.Text + " Roots are Real and Distinct.";

        x1 = (-b + Math.Sqrt(d)) / (2 * a);
        x2 = (-b - Math.Sqrt(d)) / (2 * a);

        Label1.Text = Label1.Text + " Roots are " + x1 + " and " + x2;
    }
    else
        Label1.Text = "Roots are Imaginary.";
}

```

Q.34 Create a Student Marksheets.

Conditions:

- i. If(per>90) => A1
- ii. If(per>80) => A2
- iii. If(per>70) => B1
- iv. If(per>60) => B2
- v. If(per>50) => C1
- vi. If(per>40) => C2
- vii. else => F
- viii. IF fail in one subject show compartment and in more subjects show fail.
- ix. Also show Total marks & Percentage.

MARKSHEET	
Sub1	90
Sub2	80
Sub3	70
Sub4	60
Sub5	30
Total :	330
Percentage :	66
Compartment	B2
Go	

```
protected void Button1_Click(object sender, EventArgs e)
{
    int Sub1, Sub2, Sub3, Sub4, Sub5, n=40;
    Sub1 = Convert.ToInt32(TextBox1.Text);
    Sub2 = Convert.ToInt32(TextBox2.Text);
    Sub3 = Convert.ToInt32(TextBox3.Text);
    Sub4 = Convert.ToInt32(TextBox4.Text);
    Sub5 = Convert.ToInt32(TextBox5.Text);

    //Code to Check Pass / Fail / Compartment
    if (Sub1 < n && Sub2 < n || Sub1 < n && Sub3 < n || Sub1 < n && Sub4 < n || Sub1 < n && Sub5 < n)
        Label1.Text = "Fail";
    else if(Sub2 < n && Sub3 < n || Sub2 < n && Sub4 < n || Sub2 < n && Sub5 < n)
        Label1.Text = "Fail";
    else if (Sub3 < n && Sub4 < n || Sub3 < n && Sub5 < n)
        Label1.Text = "Fail";
    else if (Sub4 < n && Sub5 < n)
        Label1.Text = "Fail";
    else if(Sub1<n || Sub2<n || Sub3<n || Sub4<n || Sub5<n)
        Label1.Text = "Compartment";
    else
        Label1.Text = "Pass";
}
```

```

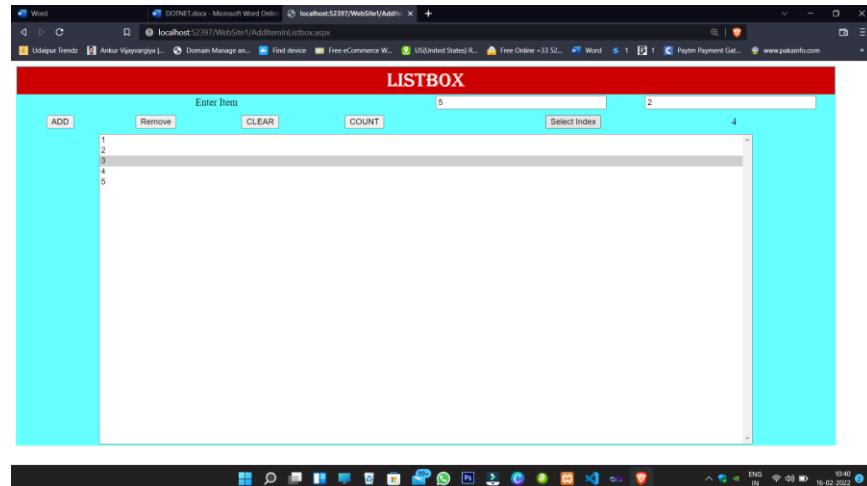
//Code for Total & Percentage
int Total = Sub1 + Sub2 + Sub3 + Sub4 + Sub5;
Label3.Text = Total.ToString();

double Percentage = Total * 0.2;
Label2.Text = Percentage.ToString();

//Code for Grade
if (Percentage > 90 && Percentage <= 100)
    Label4.Text = "A1";
else if(Percentage > 80 && Percentage <= 90)
    Label4.Text = "A2";
else if (Percentage > 70 && Percentage <= 80)
    Label4.Text = "B1";
else if (Percentage > 60 && Percentage <= 70)
    Label4.Text = "B2";
else if (Percentage > 50 && Percentage <= 60)
    Label4.Text = "C1";
else if (Percentage > 40 && Percentage <= 50)
    Label4.Text = "C2";
else
    Label4.Text = "F";
}

```

Q.35 Operations on ListBox(Add, Remove, Clear, Count, Selected Index, etc.).



```

protected void Button1_Click(object sender, EventArgs e)
{
    ListBox1.Items.Add(TextBox1.Text);
}
protected void Button2_Click(object sender, EventArgs e)

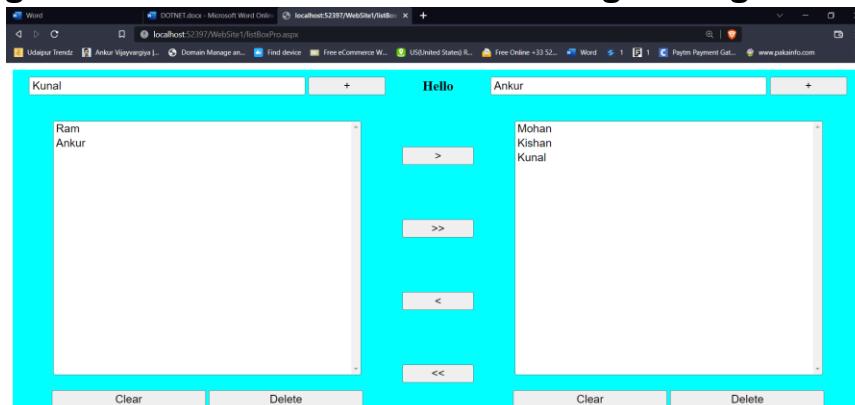
```

```

{
    ListBox1.Items.Remove(TextBox1.Text);
}
protected void Button3_Click(object sender, EventArgs e)
{
    ListBox1.Items.Clear();
}
protected void Button4_Click(object sender, EventArgs e)
{
    Label1.Text = ListBox1.Items.Count.ToString();
}
protected void Button5_Click(object sender, EventArgs e)
{
    ListBox1.Items.Insert(Convert.ToInt32(TextBox1.Text), TextBox2.Text.ToString());
}
protected void Button6_Click(object sender, EventArgs e)
{
    TextBox2.Text = ListBox1.SelectedIndex.ToString();
}

```

Q.36 Adding items in List Box and transferring among List Boxes.



```

protected void Button1_Click(object sender, EventArgs e)
{
    ListBox1.Items.Add(TextBox1.Text);
}
protected void TextBox2_TextChanged(object sender, EventArgs e)
{
}
protected void Button2_Click(object sender, EventArgs e)
{
    ListBox2.Items.Add(TextBox2.Text);
}

```

```

protected void Button3_Click(object sender, EventArgs e)
{
    ListBox2.Items.Add(ListBox1.SelectedItem.ToString());
}
protected void Button4_Click(object sender, EventArgs e)
{
    ListBox2.Items.Add(ListBox1.SelectedItem.ToString());
    ListBox1.Items.Remove(ListBox1.SelectedItem.ToString());
}
protected void Button5_Click(object sender, EventArgs e)
{
    ListBox1.Items.Add(ListBox2.SelectedItem.ToString());
}

protected void Button6_Click(object sender, EventArgs e)
{
    ListBox1.Items.Add(ListBox2.SelectedItem.ToString());
    ListBox2.Items.Remove(ListBox2.SelectedItem.ToString());
}
protected void Button10_Click(object sender, EventArgs e)
{
    ListBox1.Items.Remove(ListBox1.SelectedItem.ToString());
}
protected void Button9_Click(object sender, EventArgs e)
{
    ListBox1.Items.Clear();
}
protected void Button7_Click(object sender, EventArgs e)
{
    ListBox2.Items.Clear();
}
protected void Button8_Click(object sender, EventArgs e)
{
    ListBox2.Items.Remove(ListBox2.SelectedItem.ToString());
}

```

Q.37 Calculator using DropDownList.

The screenshot shows a Microsoft Word document containing a Microsoft Edge browser window. The browser displays a simple calculator application. The calculator interface consists of four input fields arranged in a grid:

ENTER FIRST NUMBER	2
ENTER SECOND NUMBER	3
SELECT OPERATION	MULTIPLICATION
RESULT	6

The browser's status bar indicates the URL is 'localhost:52397/WebSite1/Calculator/Calculator.aspx'. To the right of the browser, the Visual Studio Properties window is open for the 'DropDownList1' control. The properties listed include:

- (Expressions)
- ID: DropDownList1
- AccessKey
- AppendDataB: False
- AutoPostBack: True
- BackColor
- CausesValidation: False
- ClientIDMode: Inherit
- CssClass
- DataMember
- DataSourceID
- DataTextField
- DataTextFormat
- DataValueField
- Enabled: True

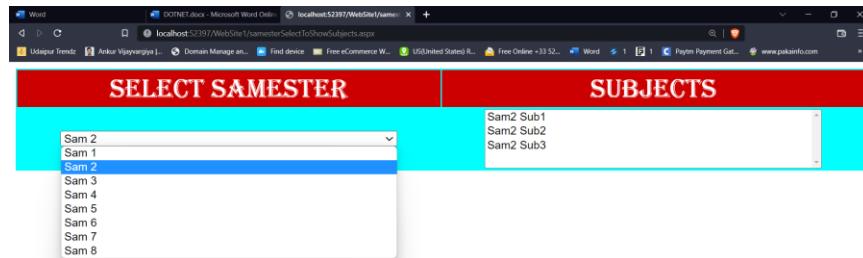
```

protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if (DropDownList1.SelectedItem.ToString() == "ADDITION")
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a + b;
        Label1.Text = Convert.ToString(c);
    }
    if (DropDownList1.SelectedItem.ToString() == "SUBTRACTION")
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a - b;
        Label1.Text = Convert.ToString(c);
    }
    if (DropDownList1.SelectedItem.ToString() == "MULTIPLICATION")
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a * b;
        Label1.Text = Convert.ToString(c);
    }
    if (DropDownList1.SelectedItem.ToString() == "DIVISION")
    {
        int a, b, c;
        a = Convert.ToInt32(TextBox1.Text);
        b = Convert.ToInt32(TextBox2.Text);
        c = a / b;
        Label1.Text = Convert.ToString(c);
    }
}

```

}

Q.38 Select Semester in DropDownList and that display subjects in ListBox.



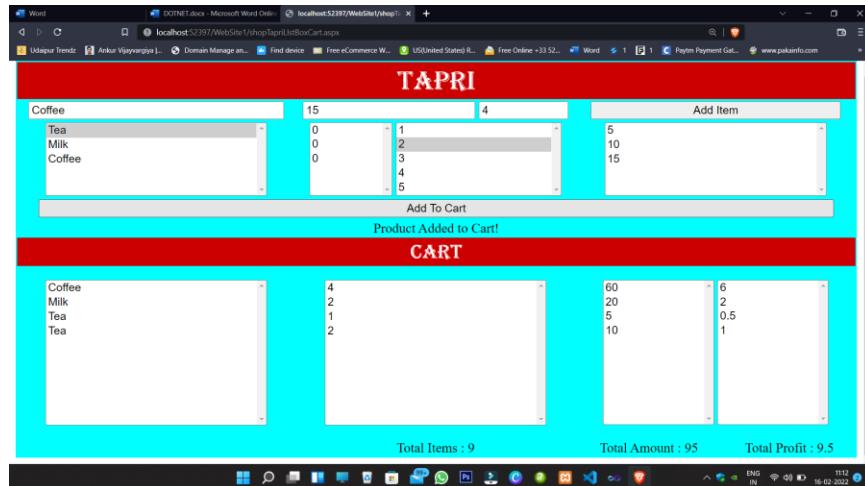
```
protected void DropDownList1_SelectedIndexChanged(object sender, EventArgs e)
{
    if(DropDownList1.SelectedIndex == 0){
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam1 Sub1");
        ListBox1.Items.Add("Sam1 Sub2");
        ListBox1.Items.Add("Sam1 Sub3");
    }
    if (DropDownList1.SelectedIndex == 1)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam2 Sub1");
        ListBox1.Items.Add("Sam2 Sub2");
        ListBox1.Items.Add("Sam2 Sub3");
    }
    if (DropDownList1.SelectedIndex == 2)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam3 Sub1");
        ListBox1.Items.Add("Sam3 Sub2");
        ListBox1.Items.Add("Sam3 Sub3");
    }
    if (DropDownList1.SelectedIndex == 3)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam4 Sub1");
    }
}
```

```

        ListBox1.Items.Add("Sam4 Sub2");
        ListBox1.Items.Add("Sam4 Sub3");
    }
    if (DropDownList1.SelectedIndex == 4)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam5 Sub1");
        ListBox1.Items.Add("Sam5 Sub2");
        ListBox1.Items.Add("Sam5 Sub3");
    }
    if (DropDownList1.SelectedIndex == 5)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam6 Sub1");
        ListBox1.Items.Add("Sam6 Sub2");
        ListBox1.Items.Add("Sam6 Sub3");
    }
    if (DropDownList1.SelectedIndex == 6)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam7 Sub1");
        ListBox1.Items.Add("Sam7 Sub2");
        ListBox1.Items.Add("Sam7 Sub3");
    }
    if (DropDownList1.SelectedIndex == 7)
    {
        ListBox1.Items.Clear();
        ListBox1.Items.Add("Sam8 Sub1");
        ListBox1.Items.Add("Sam8 Sub2");
        ListBox1.Items.Add("Sam8 Sub3");
    }
}

```

Q.39 Café Management. (Add Product, Check availability, Cart).



```

protected void Button1_Click(object sender, EventArgs e)
{
    ListBox1.Items.Add(TextBox1.Text);
    ListBox3.Items.Add(TextBox2.Text);
    ListBox8.Items.Add(TextBox3.Text);
}
protected void Button2_Click1(object sender, EventArgs e)
{
//-----Getting information of selected product-----
    int item = Convert.ToInt32(ListBox1.SelectedIndex.ToString());
    int itemQuantity = Convert.ToInt32(ListBox2.SelectedItem.ToString());
    int NewTotalItem = Convert.ToInt32(ListBox8.Items[item].ToString());
//-----If product is in stock-----
    if (NewTotalItem >= itemQuantity)
    {
        int finalValue = NewTotalItem - itemQuantity;
        Label5.Text = "Product Added to Cart!";
        ListBox8.Items.RemoveAt(item);
        ListBox8.Items.Insert(item, Convert.ToString(finalValue));
//-----Operations-----
        ListBox4.Items.Add(ListBox1.SelectedItem.ToString());
        ListBox5.Items.Add(ListBox2.SelectedItem.ToString());
        int a = ListBox1.SelectedIndex;
        int b = Convert.ToInt32(ListBox3.Items[a].ToString());
        int itemTotalPrice = Convert.ToInt32(ListBox2.SelectedItem.ToString()) * b;
        ListBox6.Items.Add(Convert.ToString(itemTotalPrice));
        decimal profit = Convert.ToDecimal(itemTotalPrice * (0.1));
        ListBox7.Items.Add(Convert.ToString(profit));
//-----Total amount-----
        int sum = 0;
    }
}

```

```

for (int i = 0; i < ListBox6.Items.Count; i++)
{
    sum += Convert.ToInt32(ListBox6.Items[i].ToString());
}
Label1.Text = Convert.ToString(sum);

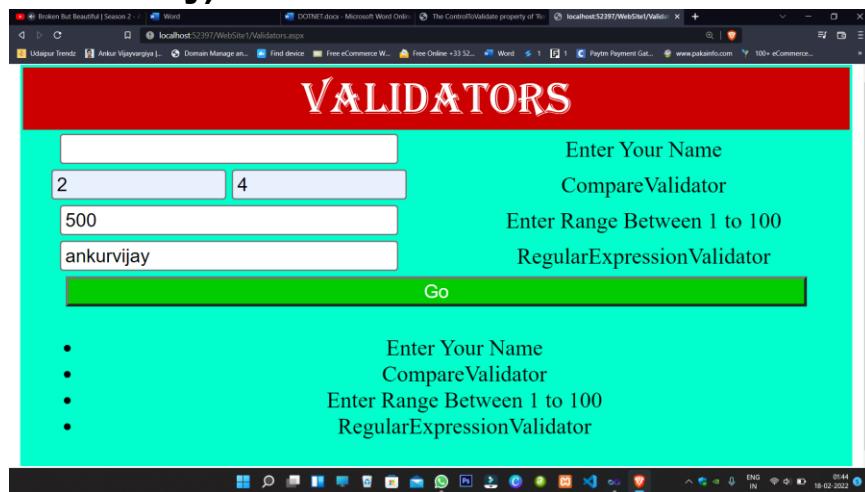
//-----Total Products-----
int TotalProducts = 0;
for (int i = 0; i < ListBox5.Items.Count; i++)
{
    TotalProducts += Convert.ToInt32(ListBox5.Items[i].ToString());
}
Label2.Text = Convert.ToString(TotalProducts);

//-----Total Profit-----
Decimal TotalProfit = 0;
for (int i = 0; i < ListBox7.Items.Count; i++)
{
    TotalProfit += Convert.ToDecimal(ListBox7.Items[i].ToString());
}
Label4.Text = Convert.ToString(TotalProfit);

//-----Out Of Stock Condition-----
else{
    Label5.Text = "Out Of Stock";
}
}

```

Q.40 Validators (Required Field, Range, Compare, Regular expression & Validation summary).



Validators

Ankur

2

50

ankurvijay@gmail.com

Go

RequiredFieldValidator1	CompareValidator1	RangeValidator1	RegularExpressionValidator1	ValidationSummary1
<p>(Expressions)</p> <p>(ID) RequiredFieldValidat</p> <p>AccessKey</p> <p>BackColor</p> <p>BorderColor</p> <p>BorderStyle</p> <p>BorderWidth</p> <p>ClientIDMode</p> <p>ControlToValidate</p> <p>CssClass</p> <p>Display</p> <p>EnableClientScript</p> <p>Enabled</p> <p>EnableTheming</p> <p>EnableViewState</p> <p>ErrorMessage</p> <p>> Font</p> <p>ForeColor</p> <p>Height</p> <p>InitialValue</p> <p>SetFocusOnError</p> <p>SkinID</p> <p>TabIndex</p> <p>Text</p> <p>ToolTip</p> <p>ValidationGroup</p> <p>ViewStateMode</p> <p>Visible</p>	<p>(ID) CompareValidat</p> <p>AccessKey</p> <p>BackColor</p> <p>BorderColor</p> <p>BorderStyle</p> <p>NotSet</p> <p>BorderWidth</p> <p>ClientIDMode</p> <p>Inherit</p> <p>ControlToCompa</p> <p>TextBox2</p> <p>ControlToValidat</p> <p>TextBox3</p> <p>CssClass</p> <p>CultureInvariantV</p> <p>False</p> <p>Display</p> <p>Static</p> <p>EnableClientScri</p> <p>True</p> <p>Enabled</p> <p>True</p> <p>EnableTheming</p> <p>True</p> <p>EnableViewState</p> <p>True</p> <p>ErrorMessage</p> <p>Enter Your Name</p> <p>> Font</p> <p>ForeColor</p> <p>Height</p> <p>InitialValue</p> <p>SetFocusOnError</p> <p>False</p> <p>SkinID</p> <p>TabIndex</p> <p>Text</p> <p>Text</p> <p>ToolTip</p> <p>Type</p> <p>Integer</p> <p>ValidationGroup</p>	<p>(ID) RangeValidator1</p> <p>AccessKey</p> <p>BackColor</p> <p>BorderColor</p> <p>BorderStyle</p> <p>NotSet</p> <p>BorderWidth</p> <p>ClientIDMode</p> <p>Inherit</p> <p>ControlToValidat</p> <p>TextBox4</p> <p>CssClass</p> <p>CultureInvariantV</p> <p>False</p> <p>Display</p> <p>Static</p> <p>EnableClientScri</p> <p>True</p> <p>Enabled</p> <p>True</p> <p>EnableTheming</p> <p>True</p> <p>EnableViewState</p> <p>True</p> <p>ErrorMessage</p> <p>Enter Range Betw</p> <p>> Font</p> <p>ForeColor</p> <p>Height</p> <p>MaximumValue</p> <p>100</p> <p>MinimumValue</p> <p>1</p> <p>SetFocusOnError</p> <p>False</p> <p>SkinID</p> <p>TabIndex</p> <p>Text</p> <p>Text</p> <p>ToolTip</p> <p>Type</p> <p>Integer</p> <p>ValidationGroup</p>	<p>(Expressions)</p> <p>(ID) RegularExpres</p> <p>AccessKey</p> <p>BackColor</p> <p>BorderColor</p> <p>BorderStyle</p> <p>NotSet</p> <p>BorderWidth</p> <p>ClientIDMode</p> <p>Inherit</p> <p>ControlToValidate</p> <p>TextBox6</p> <p>CssClass</p> <p>Display</p> <p>Static</p> <p>EnableClientScript</p> <p>True</p> <p>Enabled</p> <p>True</p> <p>EnableTheming</p> <p>True</p> <p>EnableViewState</p> <p>True</p> <p>ErrorMessage</p> <p>RegularExpres</p> <p>> Font</p> <p>ForeColor</p> <p>HeaderText</p> <p>Height</p> <p>ShowMessageBox</p> <p>False</p> <p>ShowSummary</p> <p>True</p> <p>SkinID</p> <p>TabIndex</p> <p>Text</p> <p>ToolTip</p> <p>ValidationExpres</p> <p>\w+(.-+)\w+*\@\w+</p> <p>ValidationGroup</p> <p>ViewStateMode</p> <p>Inherit</p> <p>Visible</p> <p>True</p>	<p>(Expressions)</p> <p>(ID) ValidationSum</p> <p>AccessKey</p> <p>BackColor</p> <p>BorderColor</p> <p>BorderStyle</p> <p>NotSet</p> <p>BorderWidth</p> <p>ClientIDMode</p> <p>Inherit</p> <p>CssClass</p> <p>DisplayMode</p> <p>BulletList</p> <p>EnableClientScript</p> <p>True</p> <p>Enabled</p> <p>True</p> <p>EnableTheming</p> <p>True</p> <p>EnableViewState</p> <p>True</p> <p>Font</p> <p>ForeColor</p> <p>HeaderText</p> <p>Height</p> <p>ShowMessageBox</p> <p>False</p> <p>ShowSummary</p> <p>True</p> <p>SkinID</p> <p>TabIndex</p> <p>Text</p> <p>ToolTip</p> <p>ValidationGroup</p> <p>ViewStateMode</p> <p>Inherit</p> <p>Visible</p> <p>Width</p>

Q.41 Image Gallery using Multiview.



```
protected void Page_Load(object sender, EventArgs e)
```

```
{
```

```
    MultiView.ActiveViewIndex = 0;
```

```

}

protected void Button1_Click(object sender, EventArgs e)
{
    MultiView.ActiveViewIndex = 1;
}

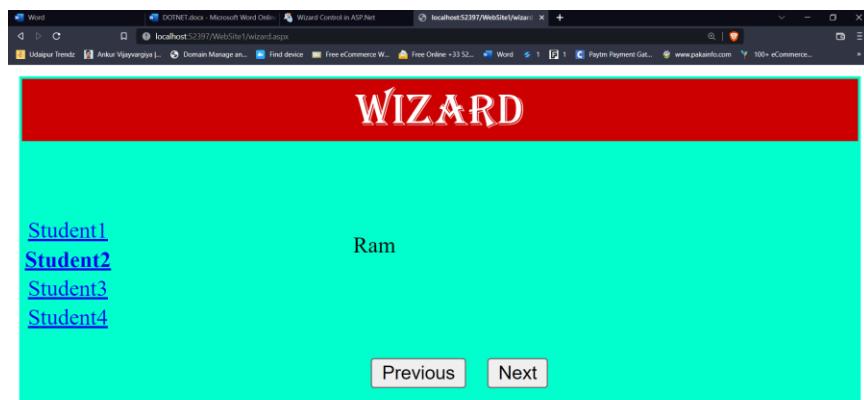
protected void Button3_Click(object sender, EventArgs e)
{
    MultiView.ActiveViewIndex = 0;
}

protected void Button2_Click(object sender, EventArgs e)
{
    MultiView.ActiveViewIndex = 2;
}

protected void Button4_Click(object sender, EventArgs e)
{
    MultiView.ActiveViewIndex = 1;
}

```

Q.42 Wizard Demo



```

<asp:Wizard ID="Wizard1" runat="server" ActiveStepIndex="1" Height="182px"
    style="text-align: center" Width="383px">
    <WizardSteps>
        <asp:WizardStep runat="server" title="Student1">
            Ankur
        </asp:WizardStep>
        <asp:WizardStep runat="server" title="Student2">
            Ram
        </asp:WizardStep>
        <asp:WizardStep ID="WizardStep1" runat="server" title="Student3">
            Shyam
        </asp:WizardStep>
        <asp:WizardStep ID="WizardStep2" runat="server" title="Student4">
            Kishan
        </asp:WizardStep>
    </WizardSteps>
</asp:Wizard>

```

```

        </asp:WizardStep>
    </WizardSteps>
</asp:Wizard>

```

Q.43 Cinema Booking using Checkbox List.



```

protected void Page_Load(object sender, EventArgs e)
{
    Label1.Text = "30";
}
protected void CheckBoxList1_SelectedIndexChanged(object sender, EventArgs e)
{
    int count = 0;
    foreach (ListItem Li in CheckBoxList1.Items)
    {
        if (Li.Selected)
        {
            count++;
        }
    }
    Label2.Text = Convert.ToString(30 - count);
    if (count == 30)
        Label3.Text = "House Full";
    else
        Label3.Text = "";
}

```

Q.44 Pass data between pages using query string.

Process: -

- i. First Page take two inputs from user then Click on Addition button
- ii. On second page we'll show these number and Addition then, Click on Subtraction button
- iii. On third page we'll show these number and Subtraction then, Click on Multiplication button
- iv. On fourth page we'll show these number and Multiplication, then Click on Division button
- v. On fifth page we'll show these number and Division then Click on Finish button
- vi. Finish redirects us on first page.

//-----DataTransferBetweenPages.aspx.cs-----

```
protected void Page_Load(object sender, EventArgs e)
{
}

protected void Button1_Click (object sender, EventArgs e)
{
    int a = Convert.ToInt32(textBox1.Text);
    int b = Convert.ToInt32(textBox2.Text);
    Response.Redirect("DataTransferBetweenPages2.aspx?t1=" + a + "&t2=" + b);
}
```

//----- DataTransferBetweenPages2.aspx.cs-----

```
protected void Page_Load(object sender, EventArgs e)
{
    Label1.Text = Request.QueryString["t1"].ToString();
    Label2.Text = Request.QueryString["t2"].ToString();
    int a = Convert.ToInt32(Request.QueryString["t1"].ToString());
    int b = Convert.ToInt32(Request.QueryString["t2"].ToString());
```

```

        Label3.Text = (a+b).ToString();
    }
protected void Button1_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Label1.Text);
    int b = Convert.ToInt32(Label2.Text);
    Response.Redirect("DataTransferBetweenPages3.aspx?t1=" + a + "&t2=" + b);
}
//----- DataTransferBetweenPages3.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    Label1.Text = Request.QueryString["t1"].ToString();
    Label2.Text = Request.QueryString["t2"].ToString();
    int a = Convert.ToInt32(Request.QueryString["t1"].ToString());
    int b = Convert.ToInt32(Request.QueryString["t2"].ToString());
    Label3.Text = (a - b).ToString();

}
protected void Button1_Click1(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Label1.Text);
    int b = Convert.ToInt32(Label2.Text);
    Response.Redirect("DataTransferBetweenPages4.aspx?t1=" + a + "&t2=" + b);
}
//----- DataTransferBetweenPages4.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    Label1.Text = Request.QueryString["t1"].ToString();
    Label2.Text = Request.QueryString["t2"].ToString();
    int a = Convert.ToInt32(Request.QueryString["t1"].ToString());
    int b = Convert.ToInt32(Request.QueryString["t2"].ToString());
    Label3.Text = (a * b).ToString();
}
protected void Button1_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Label1.Text);
    int b = Convert.ToInt32(Label2.Text);
    Response.Redirect("DataTransferBetweenPages5.aspx?t1=" + a + "&t2=" + b);
}
//----- DataTransferBetweenPages5.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    Label1.Text = Request.QueryString["t1"].ToString();
    Label2.Text = Request.QueryString["t2"].ToString();
}

```

```

int a = Convert.ToInt32(Request.QueryString["t1"].ToString());
int b = Convert.ToInt32(Request.QueryString["t2"].ToString());
Label3.Text = (a / b).ToString();
}
protected void Button1_Click(object sender, EventArgs e)
{
    Response.Redirect("DataTransferBetweenPages.aspx");
}

```

Q.45 Pass data among pages using Session.

The screenshot shows two adjacent browser windows. Both have a red header bar with the text "DATA PASS AMONG PAGES". Below the header is a navigation menu with tabs: Input, Values, Addition, Subtraction, Multiplication, and Division. The "Input" tab is active. Under the "Input" tab, there are two text input fields: "Enter First Number" containing "15" and "Enter Second Number" containing "5". Below these fields is a "Go" button.

The screenshot shows two adjacent browser windows. Both have a red header bar with the text "DATA PASS AMONG PAGES". Below the header is a navigation menu with tabs: Input, Values, Addition, Subtraction, Multiplication, and Division. The "Addition" tab is active. The output area displays the message "Addition is : 20".

The screenshot shows two adjacent browser windows. Both have a red header bar with the text "DATA PASS AMONG PAGES". Below the header is a navigation menu with tabs: Input, Values, Addition, Subtraction, Multiplication, and Division. The "Multiplication" tab is active. The output area displays the message "Multiplication is : 75".

```

//----- DataTransferAmongPagesInput.aspx.cs-----
protected void Button7_Click(object sender, EventArgs e)
{
    Session["t1"] = TextBox1.Text;
    Session["t2"] = TextBox2.Text;
}
//----- DataTransferAmongPagesValues.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
}

```

```

        Label1.Text = Session["t1"].ToString();
        Label2.Text = Session["t2"].ToString();
    }
//----- DataTransferAmongPagesAddition.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Session["t1"].ToString());
    int b = Convert.ToInt32(Session["t2"].ToString());
    Label1.Text = (a + b).ToString();
}
//----- DataTransferAmongPagesSubtraction.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Session["t1"].ToString());
    int b = Convert.ToInt32(Session["t2"].ToString());
    Label1.Text = (a - b).ToString();
}
//----- DataTransferAmongPagesMultiplication.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Session["t1"].ToString());
    int b = Convert.ToInt32(Session["t2"].ToString());
    Label1.Text = (a * b).ToString();
}
//----- DataTransferAmongPagesDivision.aspx.cs-----
protected void Page_Load(object sender, EventArgs e)
{
    int a = Convert.ToInt32(Session["t1"].ToString());
    int b = Convert.ToInt32(Session["t2"].ToString());
    Label1.Text = (a / b).ToString();
}

```

Q.46 Income Tax Calculator.

Conditions: Select Gender Using RadioButton List.

- For Male
 - If(AnnualSalary < 3Lakh) then income tax=0.
 - If(AnnualSalary>3Lakh & AnnualSalary <5Lakh) then income tax=10% of (5Lakh - 3Lakh).
 - If(AnnualSalary>5Lakh & AnnualSalary <7Lakh) then income tax is 10% of (5Lakh – 3Lakh) & 20% of (7Lakh - 5Lakh).
 - Else income tax is 10% of (5Lakh – 3Lakh) & 20% of (7Lakh – 5Lakh) & 30% of remaining amount.
- For Female
 - If(AnnualSalary < 3.5Lakh) then income tax=0.
 - If(AnnualSalary>3.5Lakh & AnnualSalary <5.5Lakh) then income tax=10% of (5.5Lakh - 3.5Lakh).
 - If(AnnualSalary>5.5Lakh & AnnualSalary <7.5Lakh) then income tax is 10% of (5.5Lakh – 3.5Lakh) & 20% of (7.5Lakh - 5.5Lakh).

- Else income tax is 10% of (5.5Lakh – 3.5Lakh) & 20% of (7.5Lakh – 5.5Lakh) & 30% of remaining amount.
- If (tax > 10Lakh) SC= 1% of tax.
- For Everyone EC = 0.1% of tax.
- NetTax = tax + SC + EC

Annual Salary	480000
TAX	18000
SC	0
EC	18
NET TAX	18018



```
protected void Button1_Click(object sender, EventArgs e)
```

```
{
    int salary = Convert.ToInt32(TextBox1.Text);
    salary = salary * 12;
    Label5.Text = salary.ToString();

    double tax, sc = 0, ec = 0, netTax;
    if (RadioButtonList1.SelectedIndex == 0)
    {
        if (salary <= 300000)
            tax = 0;
        else if (salary > 300000 && salary <= 500000)
            tax = (salary - 300000) * 0.1;
        else if (salary > 500000 && salary <= 700000)
            tax = 20000 + (salary - 500000) * 0.2;
        else
            tax = 60000 + (salary - 700000) * 0.3;
        Label1.Text = tax.ToString();
    }
    else
    {
        if (salary <= 300000)
            tax = 0;
        else if (salary > 350000 && salary <= 550000)
            tax = (salary - 350000) * 0.1;
        else if (salary > 550000 && salary <= 750000)
            tax = 20000 + (salary - 550000) * 0.2;
    }
}
```

```
else
    tax = 60000 + (salary - 750000) * 0.3;
    Label1.Text = tax.ToString();
}

if(tax>1000000){
    sc = tax * 0.01;
}
ec = tax * 0.001;
netTax = tax+sc+ec;

Label1.Text = tax.ToString();
Label2.Text = sc.ToString();
Label3.Text = ec.ToString();
Label4.Text = netTax.ToString();
}
```