

# How to Create Form in .NET C# in Visual Studio (By Yash MAKWANA)😂

Github Link:

<https://github.com/yashmakwana03/NET-C-Form-tutorial-in-detail-with-code-and-pdf->

- Create 2 separate project for console and form if you asked both

Question:

Design a form like below. When the user clicks on the Answer button, the selected operation is performed on two numbers and the answer is displayed as shown.[4 Marks]

Calculation

Number 1

Number 2

Operation

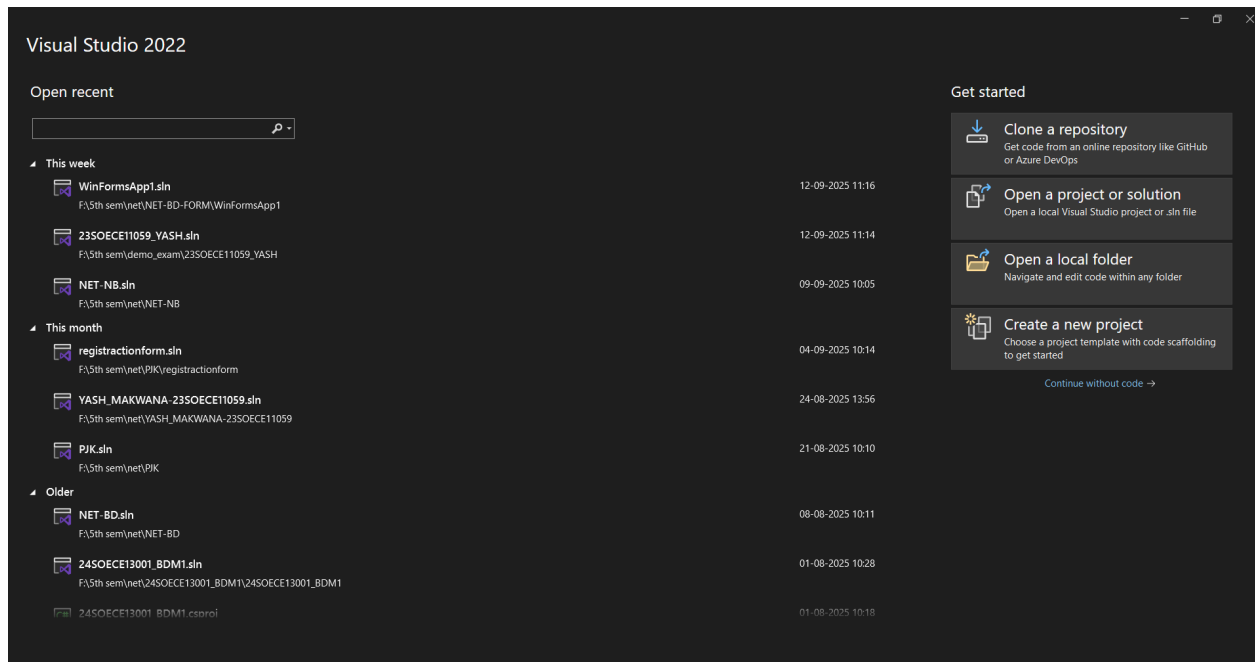
☒ Addition ☐ Substraction

☐ Multiplication ☐ Divison

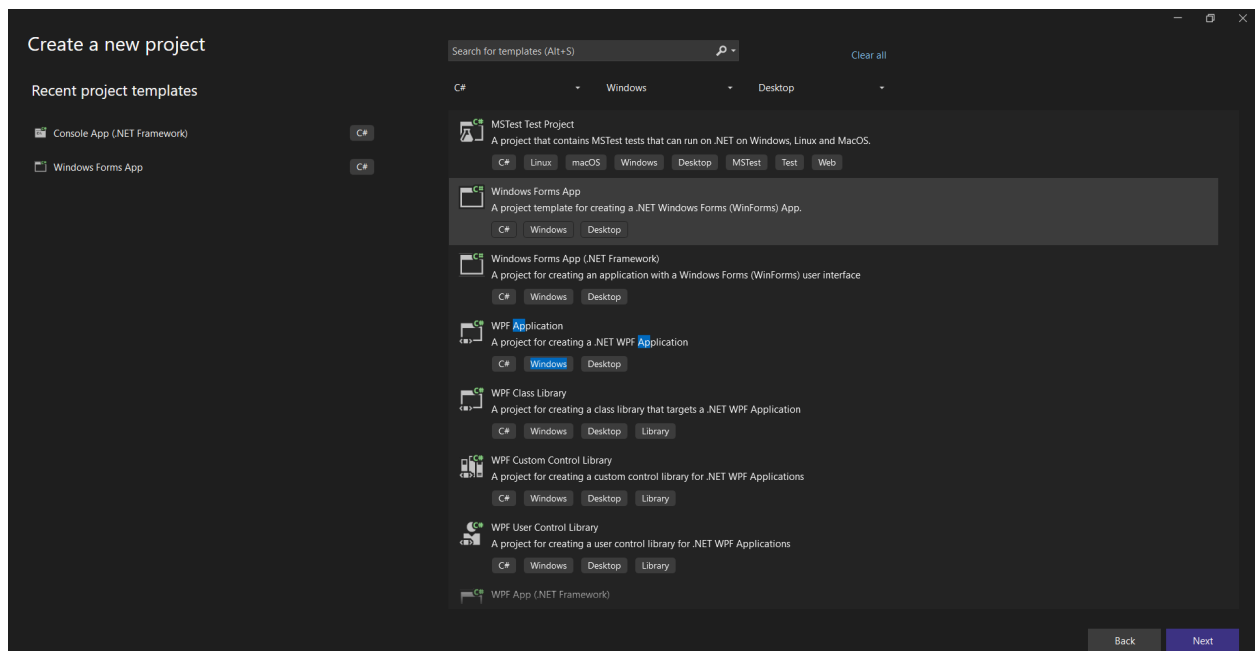
Answer

12 and 12 Adition is 24

## Step 1:(create project)



## CREATE A NEW PROJECT



- C# Windows Desktop
- Find Windows from App and next

Configure your new project

Windows Forms App C# Windows Desktop

Project name  
23SOECE11059\_YASHMAKWANA

Location  
F:\5th sem\demo\_exam\

Solution name  
23SOECE11059\_YASHMAKWANA

☒ Place solution and project in the same directory

Project will be created in "F:\5th sem\demo\_exam\23SOECE11059\_YASHMAKWANA\"

Back Next

- PROJECT NAME : Enrollment\_name
  - FOLDER : Create exam folder and select that
- Next

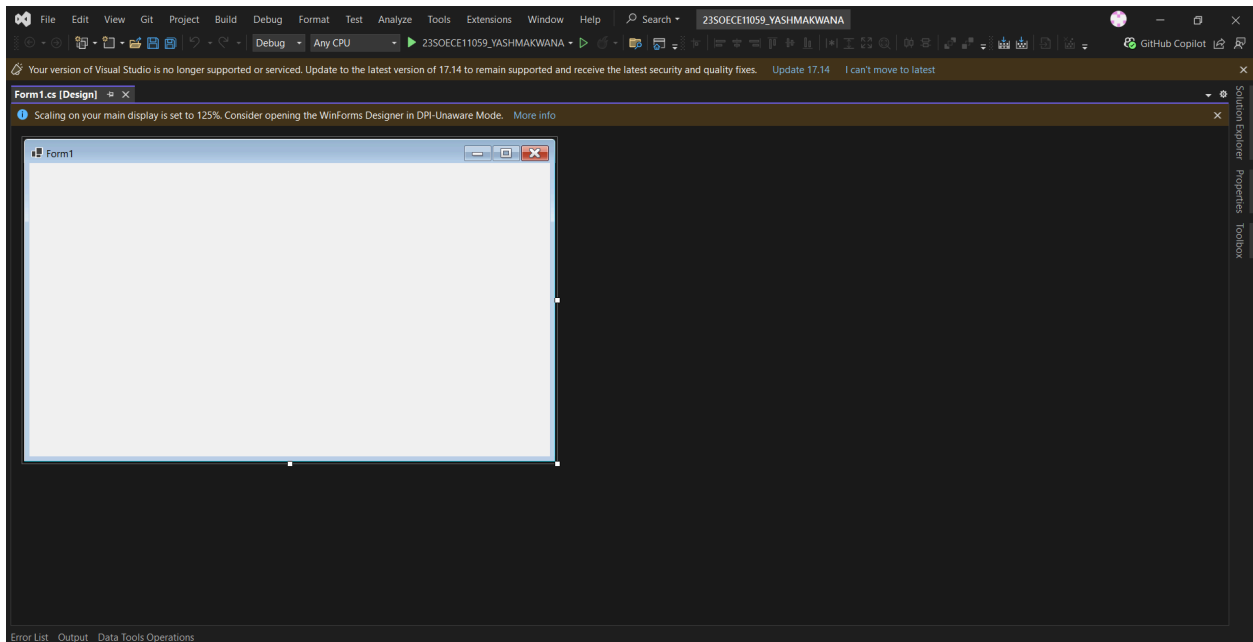
Additional information

Windows Forms App C# Windows Desktop

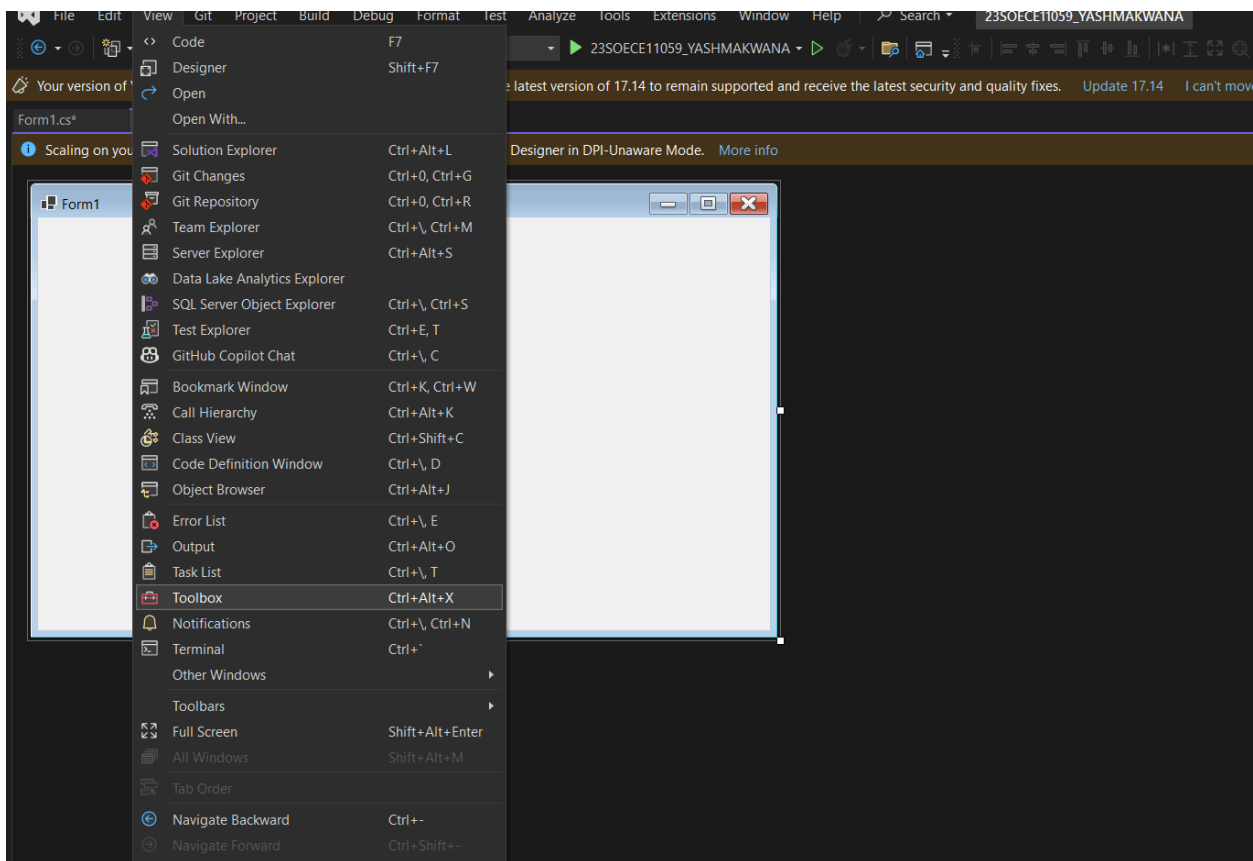
Framework  
.NET 8.0 (Long Term Support)

Back Create

- You can choose any one



- It will look like this



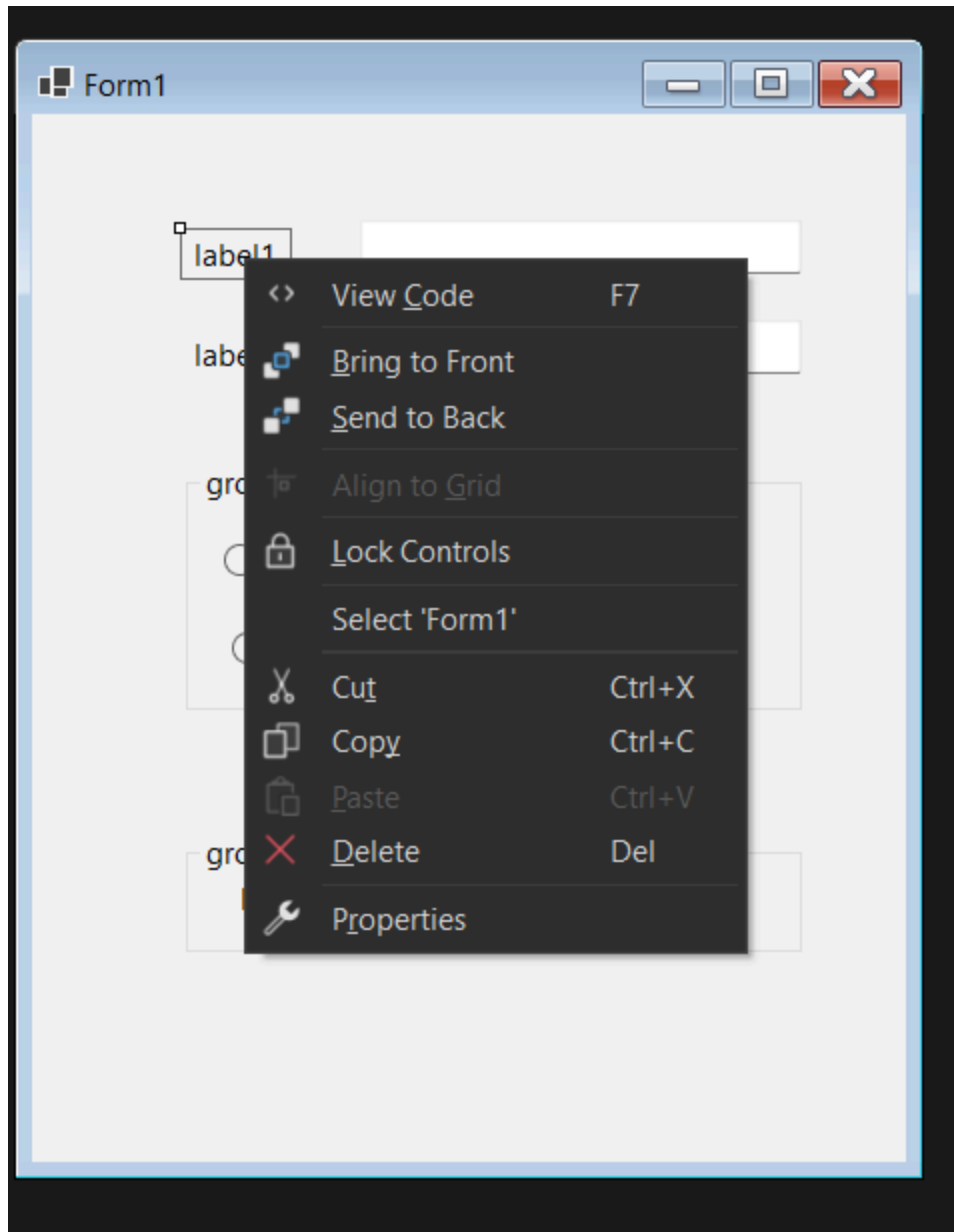
- Go to view you will find toolbox there

Then just drag drop design your form

The screenshot shows a Windows Forms application window titled "Form1". The window contains the following controls:

- label1: A text label positioned to the left of a text box.
- label2: A text label positioned to the left of another text box.
- groupBox1: A container box containing four radio buttons arranged in a 2x2 grid:
  - radioButton1
  - radioButton2
  - radioButton3
  - radioButton4
- button1: A button with the text "button1" is positioned above groupBox2. It has a visible border with eight small square handles for resizing.
- groupBox2: A container box containing a single text label:
  - label3

This how it going to look after  
Change property



- Left click property then change name and TEXT  
TEXT: show on design  
Name : variable name we call and take&give value

Optional

Bgcolor

Calculation

Number 1

Number 2

Operation

☐ Addition ☐ Subtraction

☐ Multiplication ☐ Divison

Answer

Answer

Answer

NOW DESIGN WAS DONE JUST CODING PART LEFT...



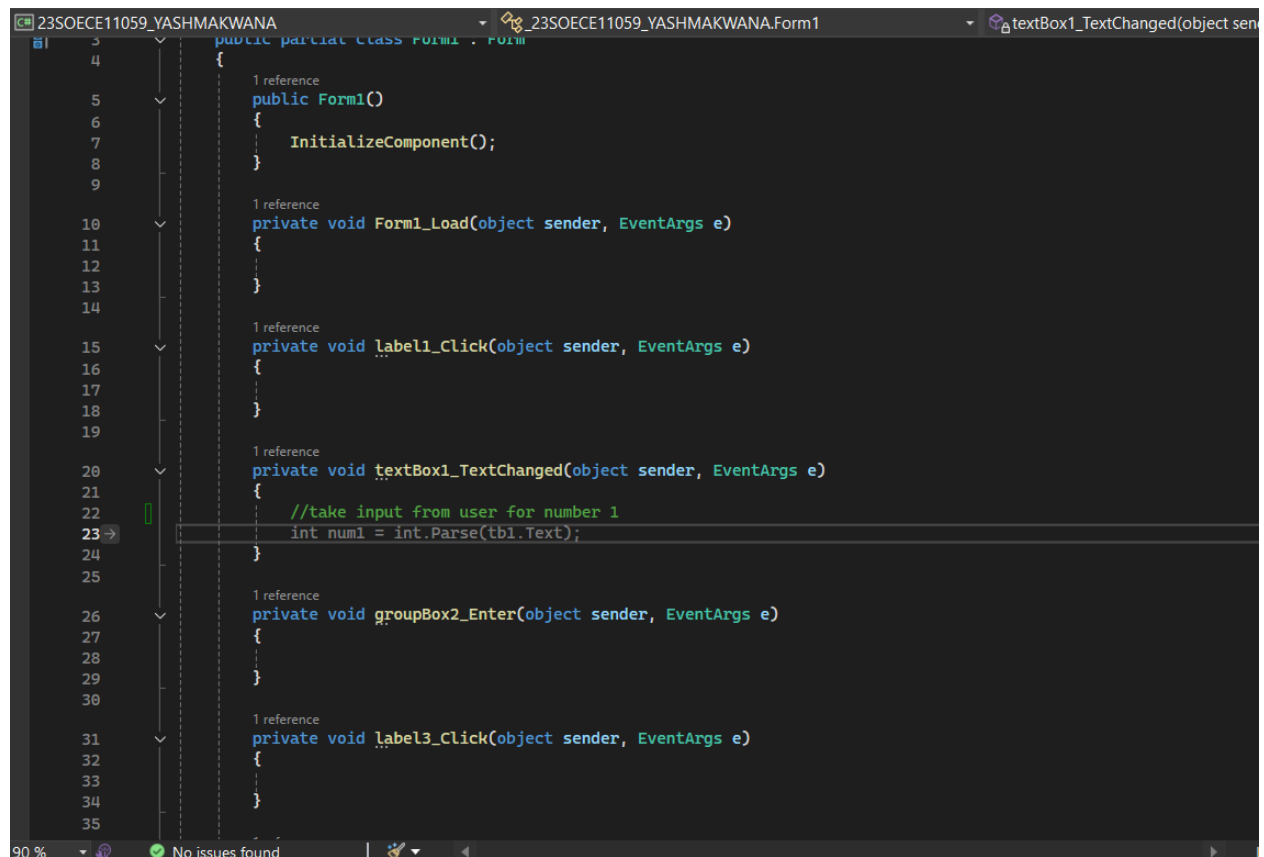
## Step 2: coding ( Useful trick for console+Form)

- If you log in with github copilot (auto suggestion) then comment out question what you want to do it will automatically suggest code then TAB like below example

Comments : /\* multiline comment \*/ and // single line comment

- Now double click on Filed from calculation\_form you want add code do this every time

Start with number 1 text box we need to take input



```
23SOECE11059_YASHMAKWANA
public partial class Form1 : Form
{
    1 reference
    public Form1()
    {
        InitializeComponent();
    }

    1 reference
    private void Form1_Load(object sender, EventArgs e)
    {
    }

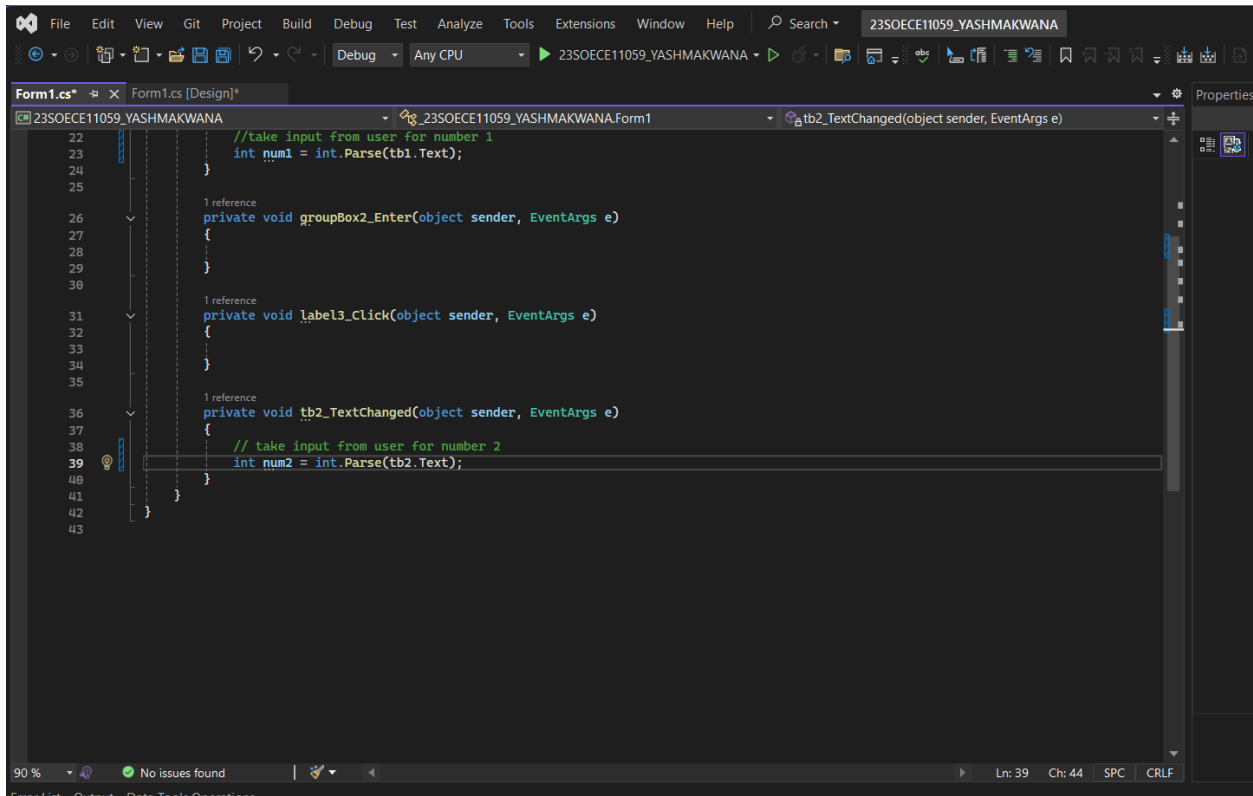
    1 reference
    private void label1_Click(object sender, EventArgs e)
    {
    }

    1 reference
    private void textBox1_TextChanged(object sender, EventArgs e)
    {
        //take input from user for number 1
        23 → int num1 = int.Parse(tb1.Text);
    }

    1 reference
    private void groupBox2_Enter(object sender, EventArgs e)
    {
    }

    1 reference
    private void label3_Click(object sender, EventArgs e)
    {
    }
}
```

90 % No issues found



1. declare global variable first what variable need through out code
2. Take input
3. Do operation
4. Show output

CODE:

```
namespace _23SOECE11059_YASHMAKWANA
{
    public partial class Form1 : Form
    {
        int num1, num2, result; //declaring variables
        string ansString;

        public Form1()
        {
            InitializeComponent();
        }

        private void Form1_Load(object sender, EventArgs e)
```

```
{  
  
}  
  
private void label1_Click(object sender, EventArgs e)  
{  
  
}  
  
private void textBox1_TextChanged(object sender, EventArgs e)  
{  
    //take input from user for number 1  
    num1 = int.Parse(tb1.Text); // taking input  
}  
  
private void groupBox2_Enter(object sender, EventArgs e)  
{  
  
}  
  
private void label3_Click(object sender, EventArgs e)  
{  
  
}  
  
private void tb2_TextChanged(object sender, EventArgs e)  
{  
    // take input from user for number 2  
    num2 = int.Parse(tb2.Text);  
}  
  
private void gb1_Enter(object sender, EventArgs e)  
{  
  
}  
  
private void rd1_CheckedChanged(object sender, EventArgs e)  
{  
    // addition operation  
    num1 = int.Parse(tb1.Text);  
    num2 = int.Parse(tb2.Text);  
    result = num1 + num2;  
    ansString = num1 + " and " + num2 + " Addition is " + result;  
}  
  
private void rd2_CheckedChanged(object sender, EventArgs e)  
{  
    //subtraction operation  
    num1 = int.Parse(tb1.Text);
```

```

        num2 = int.Parse(tb2.Text);
        result = num1 - num2;
        ansString = num1 + " and " + num2 + " Subtraction is " + result;
    }

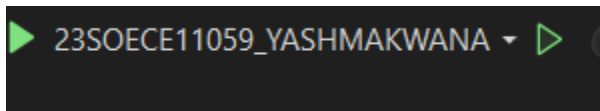
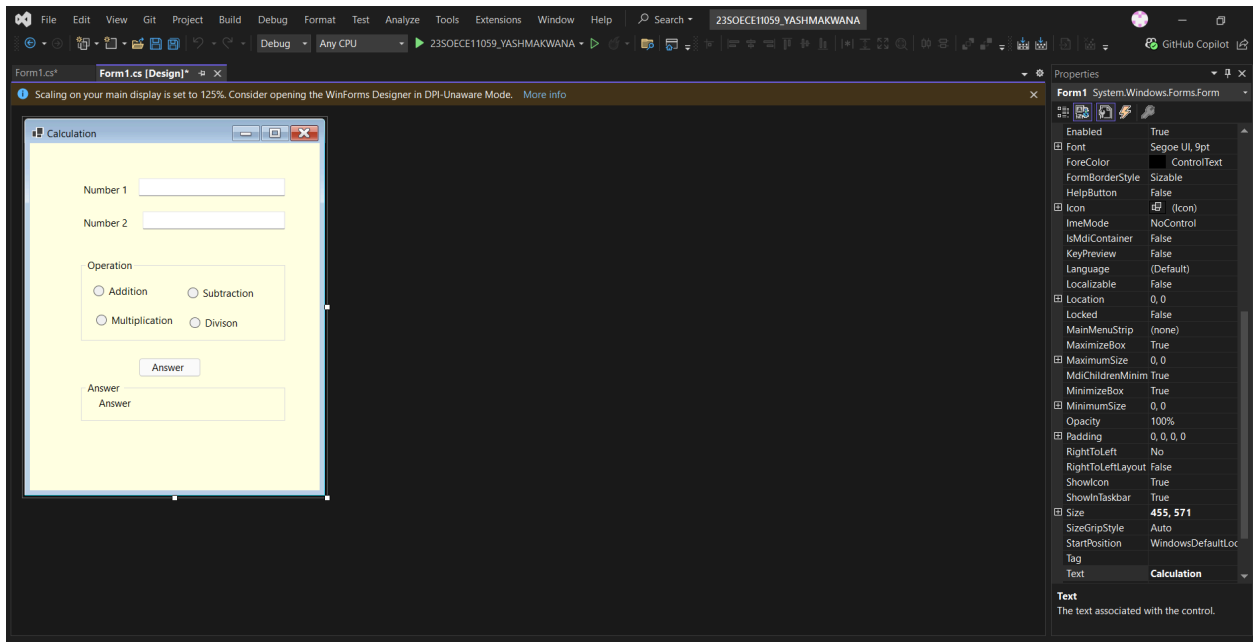
    private void rd3_CheckedChanged(object sender, EventArgs e)
    {
        //multiplication operation
        num1 = int.Parse(tb1.Text);
        num2 = int.Parse(tb2.Text);
        result = num1 * num2;
        ansString = num1 + " and " + num2 + " Multiplication is " + result;
    }

    private void rd4_CheckedChanged(object sender, EventArgs e)
    {
        num1 = int.Parse(tb1.Text);
        num2 = int.Parse(tb2.Text);
        result = num1 / num2;
        ansString = num1 + " and " + num2 + " Division is " + result;
    }

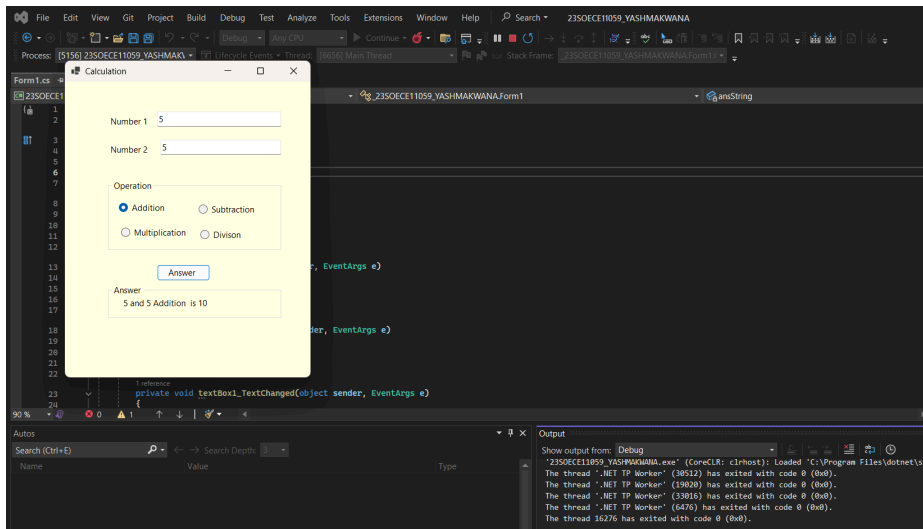
    private void btn1_Click(object sender, EventArgs e)
    {
        //button click show label answer
        a.Text = ansString; //show answer
    }
}

```

Step 3: Run check



Click here to run



Calculation

Number 1

Number 2

Operation

☒ Addition ☐ Subtraction

☐ Multiplication ☐ Divison

Answer

5 and 5 Addition is 10

All done

Sometimes github copilot work sometimes dont use chatgpt