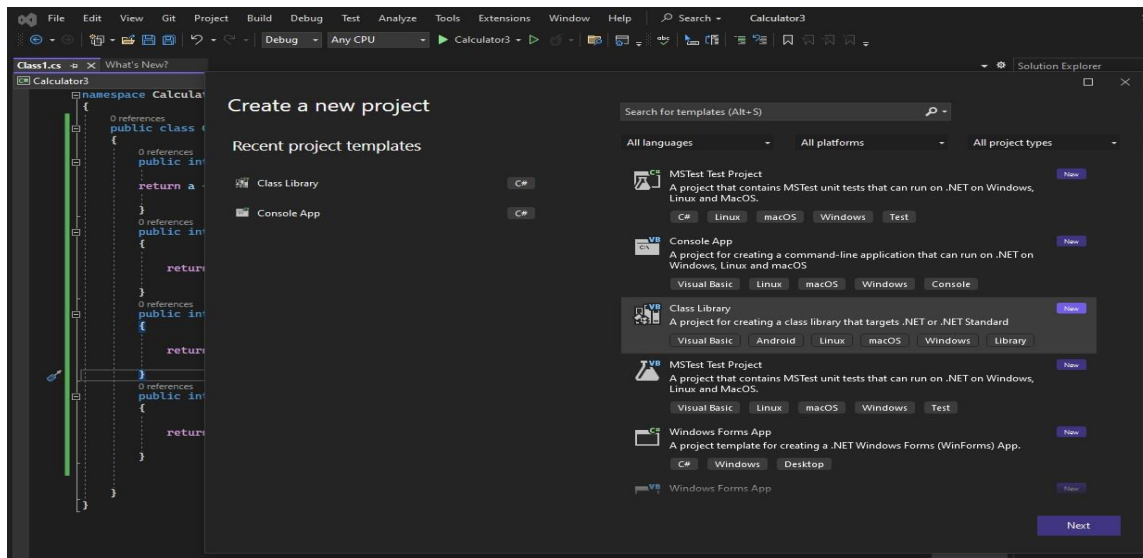


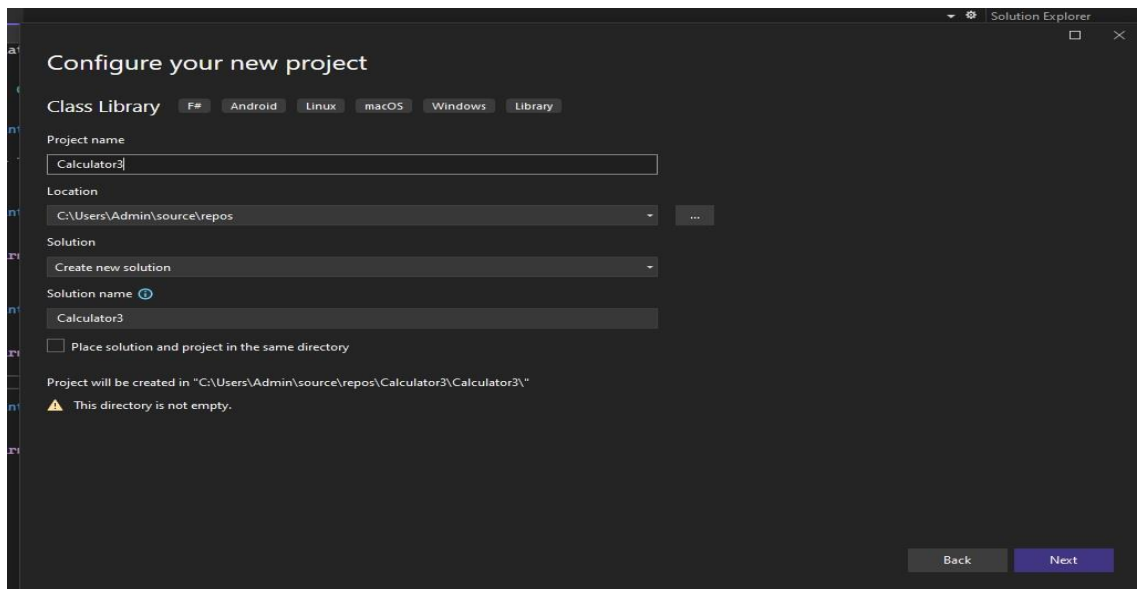
## Steps to Create DLL File

### Create Class Library File

**Step – 1** Open Visual Studio-> Create New Project -> Select Class Library- > give Project Name -> Eg. Calculator3



**Step-2.** Give class name as **Calci**-> Class file Contains code -> Defined function as below in class



```
namespace Calculator3
{
    public class Calci
    {
        public int add(int a, int b) {

            return a + b;

        }
        public int sub(int a, int b)
        {

            return a - b;

        }
        public int mult(int a, int b)
        {

            return a * b;

        }
        public int div(int a, int b)
        {

            return a / b;

        }

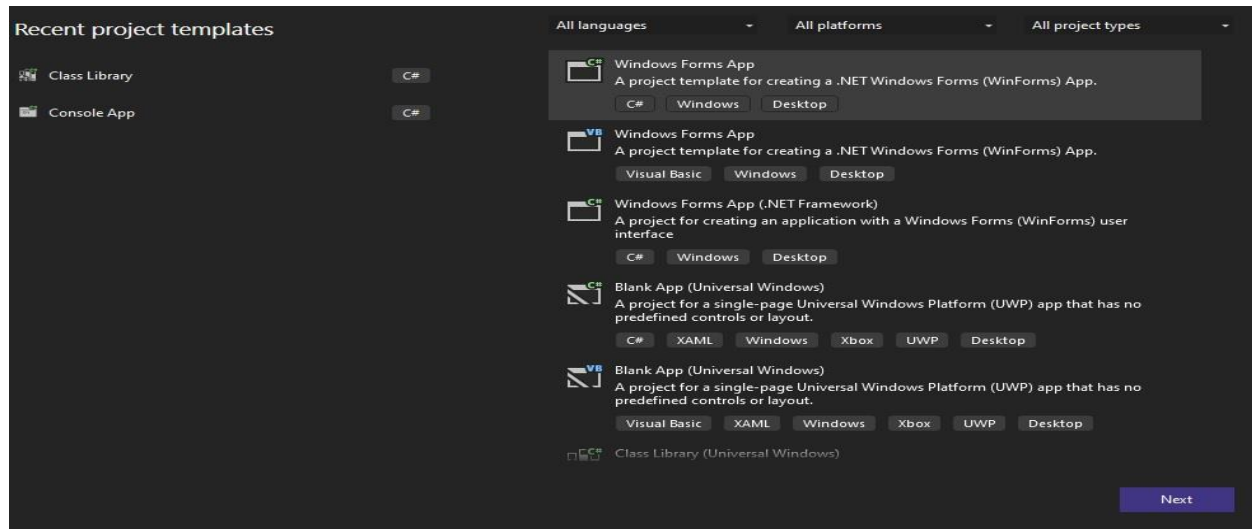
    }
}
```

**Step-3 Build a current project->Calculator3 DLL File Will be Created at Path:**

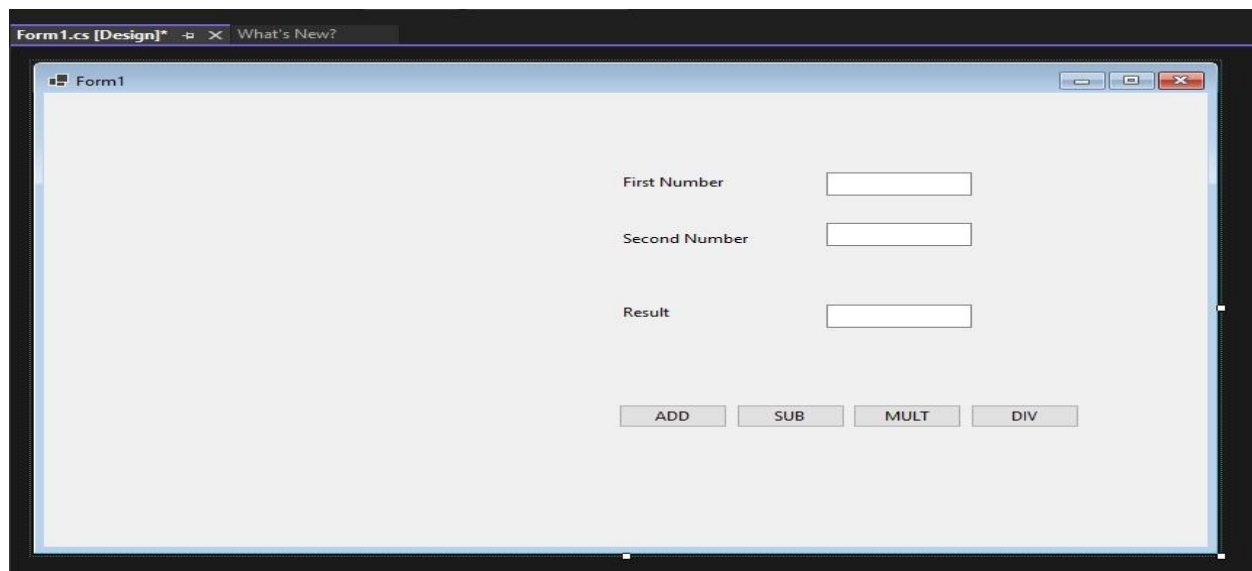
**C:\Users\Admin\source\repos\Calculator3\Calculator3\bin\Debug\net6.0**

#### Step-4

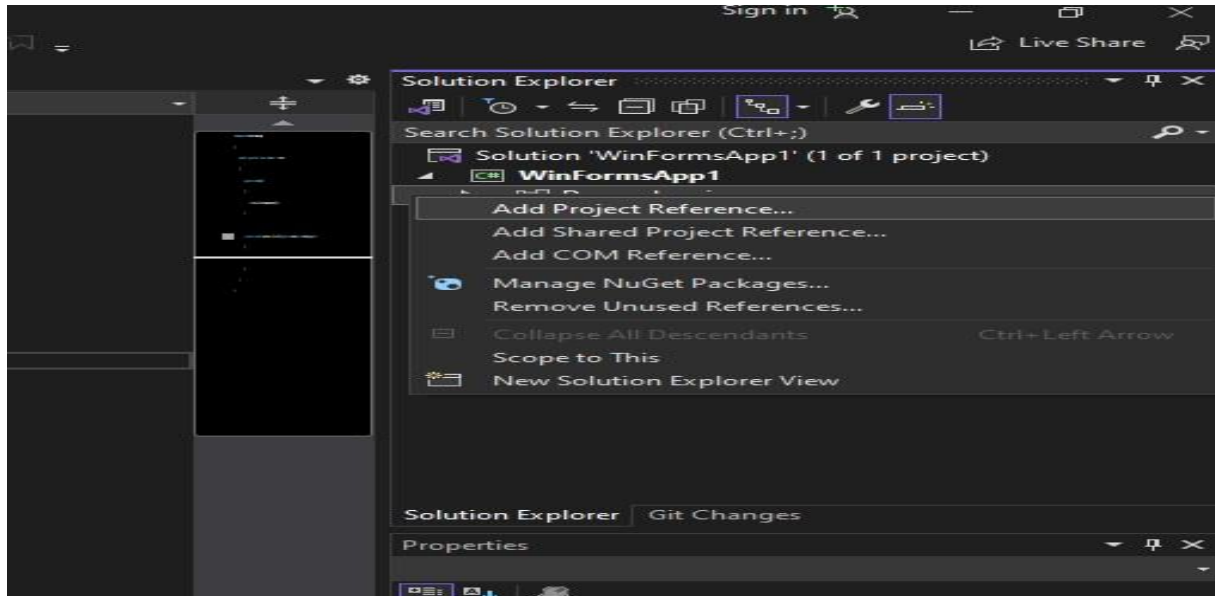
Open New Project -> Select Windows Form



#### Step-5 . Design Front Form for Calculator as below



**Step-6.** Click on ADD button -> Coding part will open -> at right side -> Right Click on Dependencies -> Add Project Reference-> Brows DLL File-(Path is C:\Users\Admin\source\repos\Calculator3\Calculator3\bin\Debug\net6.0 )

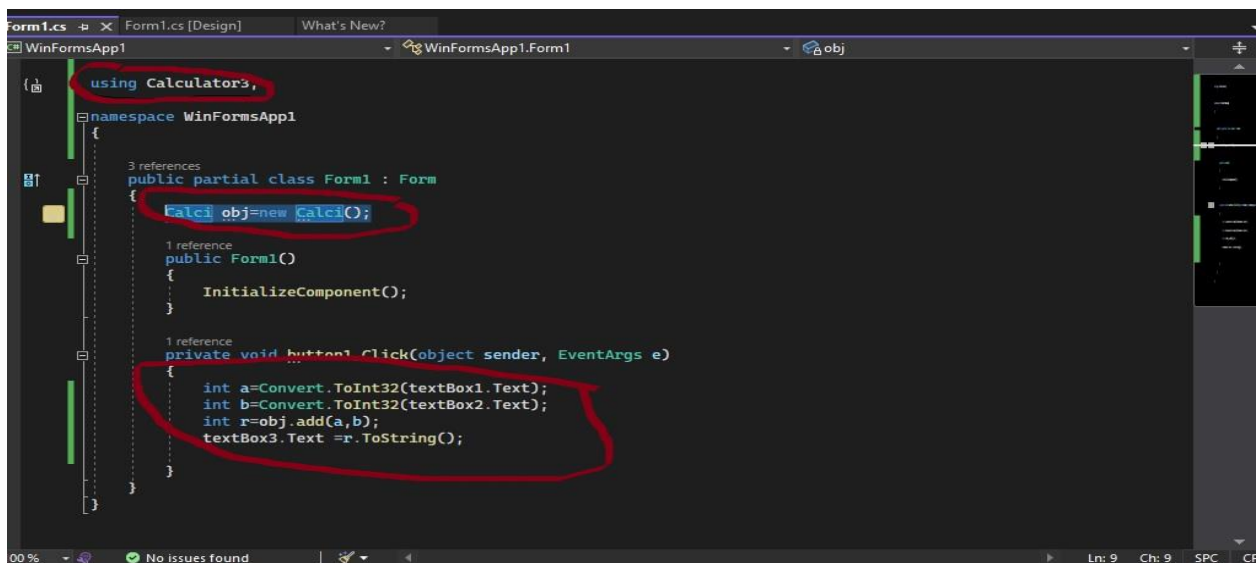


Step-6 Add Namespace at first line of code

**Using Calculator3;**

**Create object of Calci class in partial class file as below**

Calci obj=new Calci();



The write code for addition on click event of button ADD,SUB,MULT,DIV..resepectively.

```
int a = Convert.ToInt32(textBox1.Text);
int b = Convert.ToInt32(textBox2.Text);
int r = obj.add(a, b);
textBox3.Text = r.ToString();
}

1 reference
private void button2_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(textBox1.Text);
    int b = Convert.ToInt32(textBox2.Text);
    int r = obj.sub(a, b);
    textBox3.Text = r.ToString();
}

1 reference
private void button3_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(textBox1.Text);
    int b = Convert.ToInt32(textBox2.Text);
    int r = obj.mult(a, b);
    textBox3.Text = r.ToString();
}

1 reference
private void button4_Click(object sender, EventArgs e)
{
    int a = Convert.ToInt32(textBox1.Text);
    int b = Convert.ToInt32(textBox2.Text);
    int r = obj.div(a, b);
    textBox3.Text = r.ToString();
}
```

Step-7 . Now Run the current project-output