```
import java.util.Scanner;
class Complex_Op {
	float real,imag;
	Complex_Op()		//Default Constructor
	{
		real=0;
		imag=0;
	}
	Complex_Op(float r,float i)  //Parameterized Constructor
	{
		real = r;
		imag = i;
	}
	public void  AddNumbers(Complex_Op C1,Complex_Op C2)
	{
		float real, imag;
		real = (C1.real + C2.real);
		imag = (C1.imag + C2.imag);
		System.out.println("Addition is:("+ real + ") + (" + imag + ")i" );
	}
	public void  SubNumbers(Complex_Op C1,Complex_Op C2)
	{
		float real, imag;
		real = (C1.real - C2.real);
		imag = (C1.imag - C2.imag);
		System.out.println("Subtraction is:("+ real + ") + (" + imag + ")i" );
	}
	public void  MulNumbers(Complex_Op C1,Complex_Op C2)
	{
		float real, imag;

		real = (C1.real * C2.real)-(C1.imag*C2.imag);
```

```
                imag = (C1.real*C2.imag)+(C1.imag*C2.real);
                System.out.println("Multiplication is:("+ real + ") + (" + imag + ")i" );
        }
        public void  DivNumbers(Complex_Op C1,Complex_Op C2)
        {
                float real, imag;
                real = ((C1.real * C2.real)+(C1.imag*C2.imag))/((C2.real *
C2.real)+(C2.imag*C2.imag));
                imag = ((C2.real*C1.imag)-(C2.imag*C1.real))/((C2.real *
C2.real)+(C2.imag*C2.imag));
                System.out.println("Division is:("+ real + ") + (" + imag + ")i" );
        }
}
class Complex {
          public static void main(String args[])
        {
                float real, imag;
                Complex_Op cal = new Complex_Op () ;
                Scanner input =  new Scanner(System.in);
                System.out.println("Enter the first no.\\n");
                real = input.nextInt(); //Real part
                imag = input.nextInt(); //Imaginary Part
                Complex_Op Object1  = new Complex_Op(real, imag);
                System.out.println("Enter the Second Number\\n");
                real = input.nextInt(); //Real Part
                imag = input.nextInt(); //Imaginary Part
                Complex_Op Object2  = new Complex_Op(real, imag);
                cal.AddNumbers(Object1 , Object2);
                cal.SubNumbers(Object1 , Object2);
                cal.MulNumbers(Object1 , Object2);
                cal.DivNumbers(Object1 , Object2);
        }
}
```

Output Clear

```
java -cp /tmp/q8xwDwrKrW Complex
Enter the first no.
20
12
Enter the Second Number

25
14
Addition is:(45.0) + (26.0)i
Subtraction is:(-5.0) + (-2.0)i
Multiplication is:(332.0) + (580.0)i
Division is:(0.8136419) + (0.024360536)i
```