**Name: Libiya Jose**

**Roll No:14**

**Batch:MCA B**

**Date:6-4-2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment:.3**

**Aim**

Add complex numbers.

**Procedure**

public class ComplexNumber{

double real, img;

ComplexNumber(double r, double i){

this.real = r;

this.img = i;

}

public static ComplexNumber sum(ComplexNumber c1, ComplexNumber c2)

{

ComplexNumber temp = new ComplexNumber(0, 0);

temp.real = c1.real + c2.real;

temp.img = c1.img + c2.img;

return temp;

}

public static void main(String args[]) {

System.out.println("The first ComplexNumber is: 6.2+4");

ComplexNumber c1 = new ComplexNumber(6.2, 4);

System.out.println("The Second ComplexNumber is: 3.1+2.5");

ComplexNumber c2 = new ComplexNumber(3.1,2.5);

ComplexNumber temp = sum(c1, c2);

System.out.printf("Sum is: "+ temp.real+" + "+ temp.img +"i");

}

}

**Output Screenshot**

