**Name: Vijay vishnu p b**

**Roll No:49**

**Batch:mca b**

**Date:6-04-2022**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 3**

**Aim**

Add complex numbers

**Procedure**

import java.util.\*;

public class ComplexNumber

{

public static void main(String args[])

{

double real1,real2,imag1,imag2;

Scanner sc=new Scanner(System.in);

System.out.println("\n Enter the real part of first complex number\n");

real1=sc.nextDouble();

System.out.println("\n Enter the imaginary part of the first complex number\n");

imag1=sc.nextDouble();

System.out.println("\n the first complex number you have entered is : "+real1+"+"+imag1+"i");

System.out.println("\n Enter the real part of second complex number\n");

real2=sc.nextDouble();

System.out.println("\n Enter the imaginary part of the second complex number\n");

imag2=sc.nextDouble();

System.out.println("\n The second complex number you have entered is : "+real2+imag2+"+"+"i");

double rsum=real1+real2;

double imagsum=imag1+imag2;

System.out.println("\n The sum of complex number 1 and complex number 2 is: "+rsum+"+"+imagsum+" i");

}

}

**Output**

