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**Batch:MCA B**

**Date:**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 3**

**Aim**

To add two complex numbers

**Procedure**

import java.util.\*;

public class ComplexNumber

{

public static void main(String args[])

{

double r1,r2,im1,im2;

Scanner sc=new Scanner(System.in);

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

r1=sc.nextDouble();

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

im1=sc.nextDouble();

System.out.println("\n the first complex number you have entered is : "+r1+"+"+im1+"i");

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

r2=sc.nextDouble();

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

im2=sc.nextDouble();

System.out.println("\n The second complex number you have entered is : "+r2+im2+"+"+"i");

double rsum=r1+r2;

double imagsum=im1+im2;

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

}

}

**Output Screenshot**

