**Name: Neha M**

**Roll No:23**

**Batch:B**

**Date:06-04-22**

**OBJECT ORIENTED PROGRAMMING LAB**

**Experiment No.: 4**

**Aim**

Add complex numbers

**PROCEDURE**

class Complex

{

int r,i;

public Complex(int real,int imaginary)

{

r=real;

i=imaginary;

}

public void display()

{

System.out.print(r+ "+" + i +"i");

}

public static Complex add(Complex n1,Complex n2)

{

Complex res = new Complex(0, 0);

res.r = n1.r + n2.r;

res.i = n1.i+ n2.i;

return res;

}

public static void main(String args[])

{

Complex c1 =new Complex(2,7);

Complex c2 =new Complex(3,1);

System.out.println("First Complex Number");

c1.display();

System.out.println("\nSecond Complex Number");

c2.display();

Complex res=add(c1,c2);

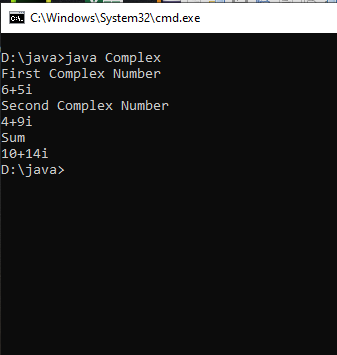
System.out.println("\nSum");

res.display();

}

}

**OUTPUT**

****