SATYAM BHARDWAJ

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CSE, 2nd year

public class ComplexNumber{

int real;

int imaginary;

public ComplexNumber(int real, int imaginary){

this.real = real;

this.imaginary = imaginary;

}

public String toString(){

return (real+" + i(" + imaginary+")");

}

public static void main(String[] args)

{

ComplexNumber c1 = new ComplexNumber(5, 7);

System.out.println("a= "+c1);

ComplexNumber c2 = new ComplexNumber(3, 9);

System.out.println("b= "+c2);

ComplexNumber add = new ComplexNumber(c1.real+c2.real, c1.imaginary+c2.imaginary);

System.out.println("a+b= "+add);

ComplexNumber sub = new ComplexNumber(c1.real-c2.real, c1.imaginary-c2.imaginary);

System.out.println("a-b= "+sub);

ComplexNumber mult = new ComplexNumber((c1.real\*c2.real)-(c1.imaginary\*c2.imaginary), (c1.real\*c2.imaginary)+(c1.imaginary\*c2.real));

System.out.println("a\*b= "+mult);

}

}

