```
import java.util.Scanner;
public class Complex
{
	public static void main(String args[])
	{
		int  num1, num2, answer,ch=0;
		Complex_Op cal = new Complex_Op () ;
		Scanner sc = new Scanner(System.in);
		System.out.print("Enter the first no.\n");
		num1 = sc.nextInt(); //Real part
		num2 = sc.nextInt(); //Imaginary Part
	Complex_Op Object1 = new Complex_Op(num1,num2);
		System.out.print("Enter the Second Number\n");
		num1 = sc.nextInt(); //Real Part
		num2 = sc.nextInt(); //Imaginary Part
	Complex_Op Object2 = new Complex_Op(num1,num2);
	System.out.println ("******Following Arithmetic Oprations are  perform on Complex Numbers*****");
		System.out.println("1.Addition");
		System.out.println("2.Substraction");
		System.out.println("3.Multiplication");
		 System.out.println("4.Division");
		System.out.println("Enter Your Choice : ");
		ch=sc.nextInt();
		switch(ch)
			{
				case 1: cal.Addition(Object1,Object2);
					break;
				case 2: cal.Substraction(Object1,Object2);
					break;
				case 3: cal.Multiplication(Object1,Object2);
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                                        break;
                                case 4: cal.Division(Object1,Object2);
                                        break;
                        }
        }
}
class Complex_Op
{
        float real,imag;
        Complex_Op()    //Default Constructor
        {
                real=0;
                imag=0;
       }
        Complex_Op(float Comp1,float Comp2)   //Parameterized Constructor
        {
                real=Comp1;
                imag=Comp2;
        }

        void Addition(Complex_Op C1,Complex_Op C2)
        {
                float real,imag;
                real = (C1.real + C2.real);
                imag = (C1.imag + C2.imag);
                System.out.println("Addition is:("+real+") + ("+imag+")i" );
        }
        void Substraction(Complex_Op C1,Complex_Op C2)
        {
                float real,imag;
                real = (C1.real -C2.real);
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            imag = (C1.imag - C2.imag);
            System.out.println("Substraction is:("+real+") - ("+imag+")i" );
        }
        void Multiplication(Complex_Op C1,Complex_Op C2)
        {
            float real,imag;
            real = (C1.real * C2.real);
            imag = (C1.imag * C2.imag);
            System.out.println("Multiplication is:("+real+") * ("+imag+")i" );
        }
        void Division(Complex_Op C1,Complex_Op C2)
        {
            float real,imag;
            real = (C1.real / C2.real);
            imag = (C1.imag / C2.imag);
            System.out.println("Division is:("+real+") / ("+imag+")i" );
        }
}
```