```
       .....practicle 1.....
import java.util.Scanner;
public class Complex {
      float real,img;
      public Complex() {
            real=0;
            img=0;
      }
      public Complex(float a,float b) {
            real=a;
            img=b;
      }
      void display(Complex C1,Complex C2) {
            System.out.println("First complex number
is=("+C1.real+")+("+C1.img+")i");
            System.out.println("Second complex number
is=("+C2.real+")+("+C2.img+")i");
      }
      void add(Complex C1,Complex C2) {
            float real,img;
            real=C1.real+C2.real;
            img=C1.img+C2.img;
            System.out.println("Addition is=("+real+")+("+img+")i");
      }
     void sub(Complex C1,Complex C2) {
            float real,img;
            real=C1.real-C2.real;
            img=C1.img-C2.img;
            System.out.println("Substraction is=("+real+")+("+img+")i");
      }
       void multiplication(Complex C1,Complex C2) {
            float real,img;
            real=C1.real*C2.real;
            img=C1.img*C2.img;
            System.out.println("Multiplication
is=("+real+")+("+img+")i");
      }
      void division(Complex C1,Complex C2) {
            float real,img;
            real=C1.real/C2.real;
            img=C1.img/C2.img;
            System.out.println("Division is=("+real+")+("+img+")i");
      }


      public static void main(String[] args) {
            // TODO Auto-generated method stub
            float num1,num2;
            Scanner sc=new Scanner(System.in);
            Complex a=new Complex();
            System.out.println("Enter complex number in formate a+bi:");

            System.out.println("Enter real part of first number:");
            num1=sc.nextFloat();
            System.out.println("Enter imaginary part of first number:");
            num2=sc.nextFloat();
            Complex comp1=new Complex(num1,num2);
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            System.out.println("Enter real part of second number:");
            num1=sc.nextFloat();
            System.out.println("Enter imaginary part of second number:");
            num2=sc.nextFloat();
            Complex comp2=new Complex(num1,num2);

            a.display(comp1,comp2);
            a.add(comp1,comp2);
            a.sub(comp1,comp2);
            a.multiplication(comp1,comp2);
            a.division(comp1,comp2);

      }
}
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        .....Output.....
Enter complex number in formate a+bi:
Enter real part of first number:
3
Enter imaginary part of first number:
4
Enter real part of second number:
7
Enter imaginary part of second number:
8
First complex number is=(3.0)+(4.0)i
Second complex number is=(7.0)+(8.0)i
Addition is=(10.0)+(12.0)i
Substraction is=(-4.0)+(-4.0)i
Multiplication is=(21.0)+(32.0)i
Division is=(0.42857143)+(0.5)i
```