

```
1 package madhav;
2 import java.util.*;
3 class ComplexNum<T extends Number>{
4     T real,img;
5     public ComplexNum(T r,T i) {
6         real=r;
7         img=i;
8     }
9     public ComplexNum<Double> add(ComplexNum<?> c){
10         ComplexNum<Double> c1=new ComplexNum<Double>(0.0,0.0);
11         c1.real=(this.real.doubleValue()*c.real.doubleValue
12         ())- (this.img.doubleValue()*c.img.doubleValue());
13         c1.img=(this.img.doubleValue()*c.real.doubleValue
14         ())+ (this.real.doubleValue()*c.img.doubleValue());
15         return c1;
16     }
17     public String toString() {
18         return real+" + "+img+"i";
19     }
20 }
21 public class GenericComplex{
22     public static void main(String[] args) {
23         Scanner sc = new Scanner(System.in);
24         int n1, n2;
25         double d1, d2;
26         n1 = sc.nextInt();
27         n2 = sc.nextInt();
28         d1 = sc.nextDouble();
29         d2 = sc.nextDouble();
30         ComplexNum<Integer> c1 = new ComplexNum<Integer>(n1,
31         n2);
32         ComplexNum<Double> c2 = new ComplexNum<Double>(d1,
33         d2);
34         ComplexNum<Double> c3 = c1.add(c2);
35         System.out.println(c1 + " * " + c2 + " = " + c3);
36     }
37 }
```