1. Add complex numbers

```
public class Complex{
  double real, img;
  Complex(double r, double i){
  this.real = r;
  this.img= i;
  }
  public static Complex sum(Complex c1, Complex c2)
  {
    Complex temp = new Complex(0, 0);
    temp.real = c1. real+ c2.real;
    temp.img = c1.img+ c2.img;
    return temp;
  }
  public static void main(String args[]) {
  Complex c1 = new Complex(2, 10);
  Complex c2 = new Complex(4.5, 3.5);
    Complex temp = sum(c1, c2);
    System.out.printf("Sum is: "+ temp.real+" + "+ temp.img +"i");
  }
}
output
```

```
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```

2.define a class product with data members pcode,pname,price.create 3 objects of the class and find the product having the lowest price

```
public class product {
  int pcode;
  String pname;
  int price;

public static void main(String[] args) {
  int smallest;
  product p1 = new product();
  product p2 = new product();
  product p3 = new product();
  p1.pcode=2000;
  p1.pname="laptop";
  p1.price=10000;
  p2.pcode=1110;
  p2.pname="hp";
  p2.price=35000;
```

```
p3.pcode=2002;
   p3.pname="intel i3";
   p3.price=40000;
   if(p1.price<p2.price) {</pre>
   if(p3.price<p1.price) {</pre>
      smallest = p3.price;
   } else {
      smallest = p1.price;
   }
 } else {
   if(p2.price<p3.price) {</pre>
      smallest = p2.price;
   } else {
      smallest = p3.price;
   }
 }
 System.out.println(smallest + " is the cheapest.");
 }
}
```

