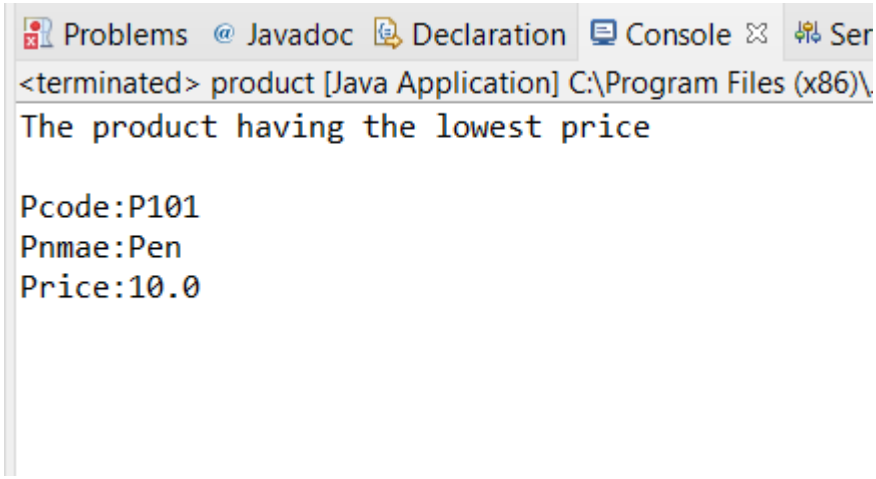
1. Define a class ‘product’ with data members pcode, pname and price. Create 3 objects of the class and find the product having the lowest price.

Product.java

```
public class product{
        String pcode,pname;
        float price;

      public void setdata(String a,String b,float c)
      {
        pcode=a;
        pname=b;
        price=c;

      }

        void display()
        {
          System.out.println("\nPcode:"+pcode+"\nPnmae:"+pname+"\nPrice:"+price);
        }

        public static void main(String[] args) {
          product obj1=new product();
          product obj2=new product();
          product obj3=new product();
          obj1.setdata("P100","Soap",50);
          obj2.setdata("P101","Pen",10);
          obj3.setdata("P102","Bodywash",100);
         System.out.println("The product having the lowest price");
      if((obj1.price<obj2.price) &&(obj1.price<obj3.price))
      {
              obj1.display();
      }
      else if(obj2.price<obj3.price)
      {
            obj2.display();
      }
      else
      {
            obj3.display();
      }
        }
      }
```

OUTPUT:



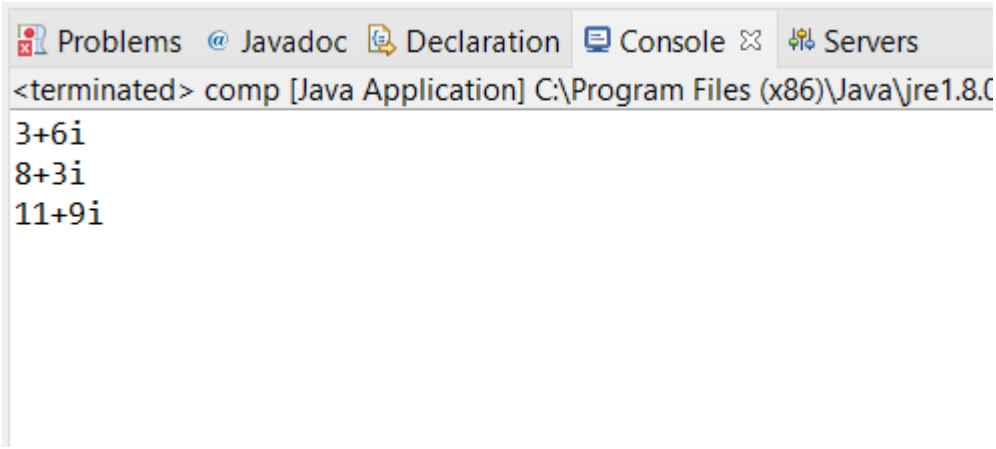
2. Add complex numbers

Comp.java

```
public class comp {
	int x;
	int y;
	 void get(int a,int b)
	{
		x=a;
		y=b;
	}
	void show()
	{
		 System.out.println(x+"+"+y+"i");
	}

	public static void main(String[] args) {
		// TODO Auto-generated method stub
comp obj1=new comp();
comp obj2=new comp();
comp obj3=new comp();
obj1.get(3,6);
obj2.get(8,3);
obj1.show();
obj2.show();
obj3.x=obj1.x + obj2.x;
obj3.y=obj1.y + obj2.y;
obj3.show();
```

```
        }
}
```

OUTPUT:


Problems
Javadoc
Declaration
Console
Servers
<terminated> comp [Java Application] C:\Program Files (x86)\Java\jre1.8.0
3+6i
8+3i
11+9i