

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

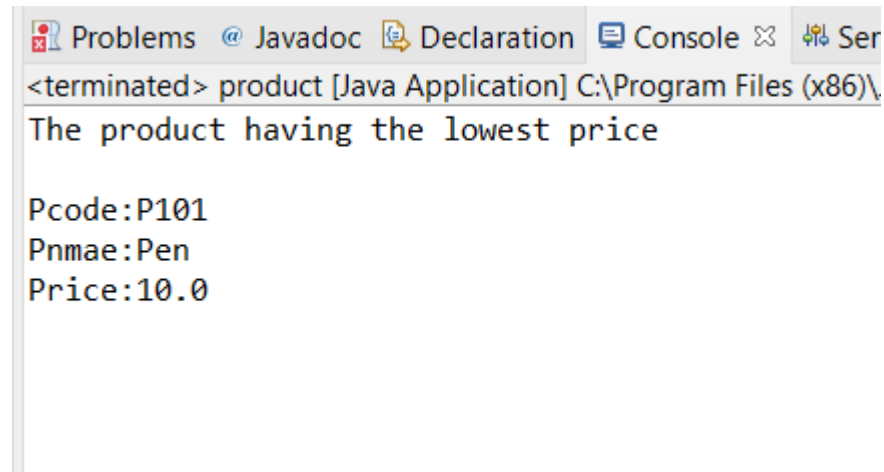
```
public class product{
    String pcode,pname;
    float price;

    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:



The screenshot shows an IDE window with tabs for Problems, Javadoc, Declaration, Console, and Ser. The Console tab is active, displaying the output of a Java application. The output text is as follows:

```
<terminated> product [Java Application] C:\Program Files (x86)\
The product having the lowest price

Pcode:P101
Pnmae:Pen
Price:10.0
```

## 2. Add complex numbers

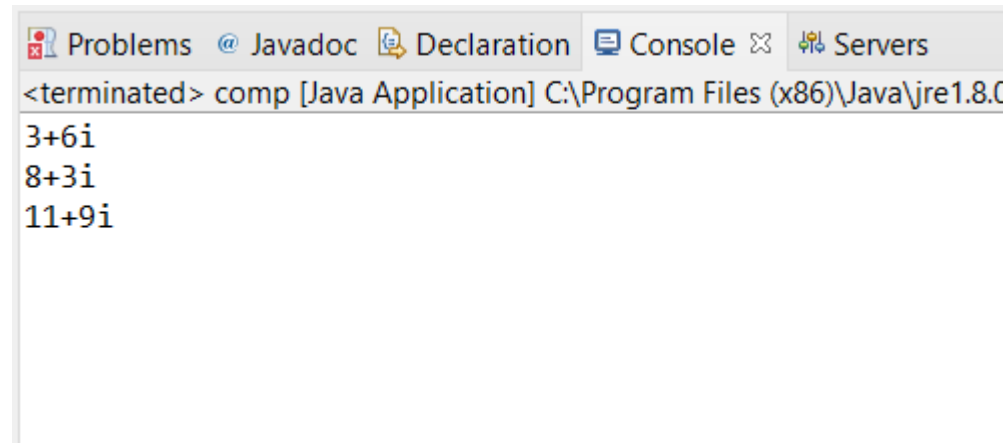
Comp.java

```
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:



The screenshot shows an IDE's console window with tabs for Problems, Javadoc, Declaration, Console, and Servers. The Console tab is active, displaying the output of a Java application. The output consists of three lines: 3+6i, 8+3i, and 11+9i. The prompt <terminated> comp [Java Application] C:\Program Files (x86)\Java\jre1.8.0 is visible at the top of the console.

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