

Program no1:

AIM : 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.

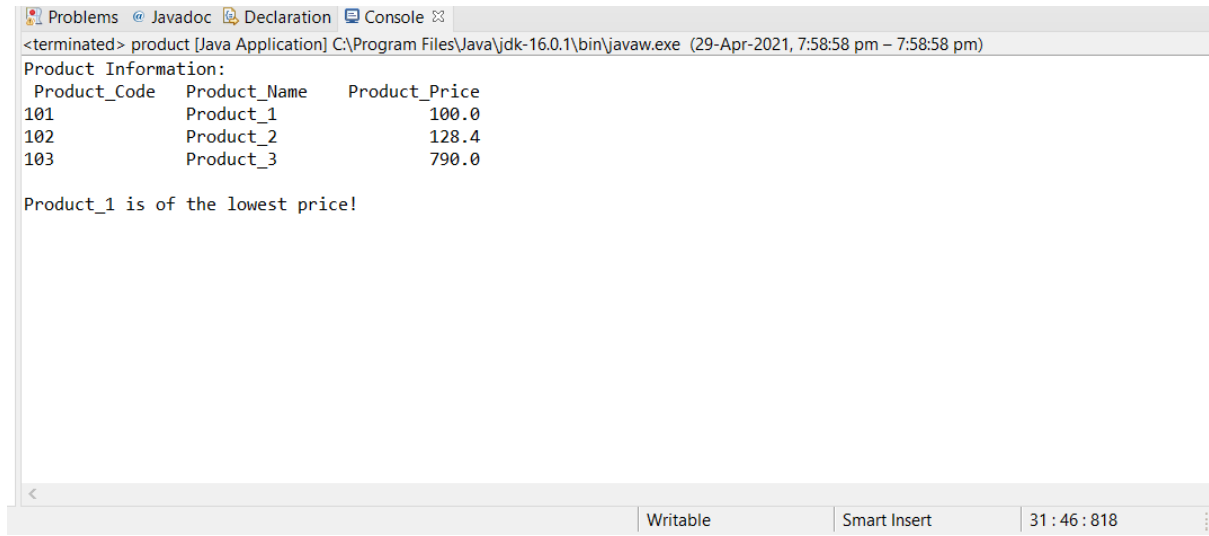
CODE:

```
public class product {
    int pcode;
    String pname;
    double price;
    double lowest;
    void data(int c, String n, double p){
        pcode=c;
        pname=n;
        price=p;
    }
    void display(){
        System.out.println(pcode+"\t\t"+pname+"\t\t"+price);
    }
    static void findLowest(double price1, double price2, double price3){
        if(price1<=price2 && price1<=price3){
            System.out.println("\nProduct_1 is of the lowest price!");
        }
        else if(price2<=price1 && price2<=price3){
            System.out.println("\nProduct_2 is of the lowest price!");
        }
        else{
            System.out.println("\nProduct_3 is of the lowest price!");
        }
    }
}

public static void main(String[] args){
    product obj1 = new product();
    product obj2 = new product();
    product obj3 = new product();
    obj1.data(101, "Product_1", 100.0);
    obj2.data(102, "Product_2", 128.40);
    obj3.data(103, "Product_3", 790.00);
    System.out.println("Product Information:\n
Product_Code\tProduct_Name\tProduct_Price");
    obj1.display();
```

```
        obj2.display();  
        obj3.display();  
        findLowest(obj1.price,obj2.price,obj3.price);  
    }  
}
```

OUTPUT



The screenshot shows an IDE console window with the following content:

```
<terminated> product [Java Application] C:\Program Files\Java\jdk-16.0.1\bin\javaw.exe (29-Apr-2021, 7:58:58 pm - 7:58:58 pm)  
Product Information:  
Product_Code  Product_Name  Product_Price  
101           Product_1     100.0  
102           Product_2     128.4  
103           Product_3     790.0  
  
Product_1 is of the lowest price!
```

The IDE interface includes tabs for Problems, Javadoc, Declaration, and Console. The status bar at the bottom shows 'Writable', 'Smart Insert', and a time of 31:46:818.