

Object Oriented Programming LAB**Experiment No.: 1****Aim**

Define a class product with data member pcode,pname and price .Create three objects using the class and find the product having lowest price.

Procedures**Source Code**

```
class Product{
    String pcode, pname;
    double price;
    void details(){
        System.out.println("PRODUCT DETAILS");
        System.out.println("PCode : "+pcode);
        System.out.println("PName : "+pname);
        System.out.println("Price : "+price);
    }
}

public class ProductDetails{
    public static void main(String args[]){
        Product p1 = new Product();
        p1.pcode = "S9T20";
        p1.pname = "SAMSUNG S9";
        p1.price = 20300;
        System.out.println("\nProduct1:");
        p1.details();
    }
}
```

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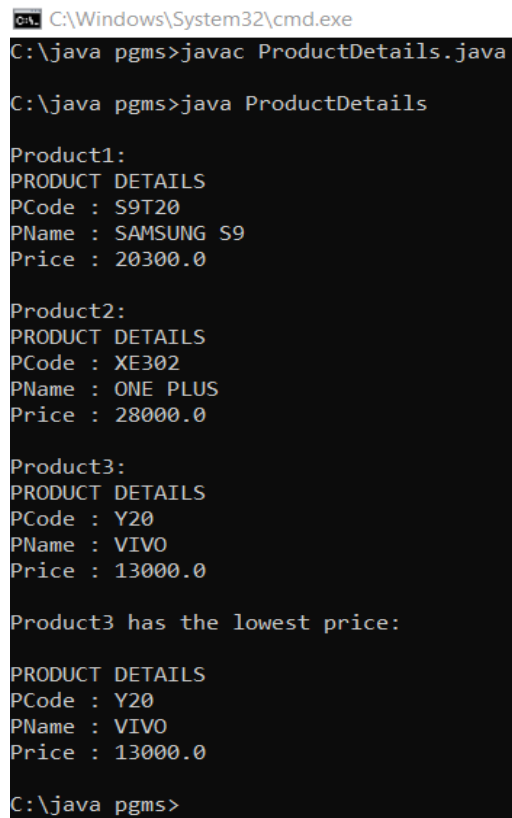
```
Product p2 = new Product();  
p2.pcode = "XE302";  
p2.pname = "ONE PLUS";  
p2.price = 28000;  
System.out.println("\nProduct2:");  
p2.details();
```

```
Product p3 = new Product();  
p3.pcode = "Y20";  
p3.pname = "VIVO";  
p3.price = 13000;  
System.out.println("\nProduct3:");  
p3.details();
```

```
if(p1.price<p2.price && p1.price<p3.price){  
    System.out.println("\n\nProduct1 has the lowest price :");  
    p1.details();  
}  
else if(p2.price < p3.price){  
    System.out.println("\nProduct2 has the lowest price:\n");  
    p2.details();  
}  
else  
{  
    System.out.println("\nProduct3 has the lowest price:\n");  
    p3.details();  
}
```

```
    }  
}  
}
```

Output



```
C:\Windows\System32\cmd.exe  
C:\java pgms>javac ProductDetails.java  
  
C:\java pgms>java ProductDetails  
  
Product1:  
PRODUCT DETAILS  
PCode : S9T20  
PName : SAMSUNG S9  
Price : 20300.0  
  
Product2:  
PRODUCT DETAILS  
PCode : XE302  
PName : ONE PLUS  
Price : 28000.0  
  
Product3:  
PRODUCT DETAILS  
PCode : Y20  
PName : VIVO  
Price : 13000.0  
  
Product3 has the lowest price:  
  
PRODUCT DETAILS  
PCode : Y20  
PName : VIVO  
Price : 13000.0  
  
C:\java pgms>
```