OBJECT ORIENTED PROGRAMING LAB

Name : Swetha Prakash

Roll No : 46

Batch : B

Date : 28-03-22

Experiment No.: 1

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.

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 = "B1278";
                p1.pname = "Benz";
                p1.price = 4000000;
                System.out.println("\nProduct1:");
                p1.details();
```

```
        Product p2 = new Product();
        p2.pcode = "G5382";
        p2.pname = "B M W";
        p2.price = 5280000;
        System.out.println("\nProduct2:");
        p2.details();

        Product p3 = new Product();
        p3.pcode = "P7842";
        p3.pname = "Kia";
        p3.price = 3113000;
        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 Screenshot

```
D:\Swetha\Java\06-04-22>javac ProductDetails.java

D:\Swetha\Java\06-04-22>java ProductDetails

Product1:
PRODUCT DETAILS
PCode : B1278
PName : Benz
Price : 4000000.0

Product2:
PRODUCT DETAILS
PCode : G5382
PName : B M W
Price : 5280000.0

Product3:
PRODUCT DETAILS
PCode : P7842
PName : Kia
Price : 3113000.0

Product3 has the lowest price:

PRODUCT DETAILS
PCode : P7842
PName : Kia
Price : 3113000.0
```