

```
1 // Find and fix 5 errors below
2 // Answers the questions
3
4 public class Product {
5
6     private static int id;
7     private String name;
8     private double price;
9
10    public Product(int id, String n, double price){
11        // which is correct? cross and correct the others?
12        // what is happening in each case
13        id = this.id;
14
15        this.name = n;
16        n = this.name;
17
18        price = price;
19    }
20
21    public Product(int id, String name){
22        // add one line
23
24    }
25
26    public double Product(){
27        id = 9999;
28        name = "";
29        price = 0.00;
30    }
31
32    /*
33    * set price method
34    * precondition: Price is not negative.
35    */
36    public double setPrice(double new_price){
37        if (new_price < 0) {
38            throw new IllegalArgumentException("New price, " + new_price + " is negative");
39        }
40        price = new_price;
41    }
42
43    public static double getPrice(){
44        return price;
45    }
46
47    public String toString() {
48        System.out.println("Product id: " + id + "\n name: " + name + "\n price: " + price);
49    }
50
51 }
52
53 /* Class that uses the Product Class*/
54
55 public class ProductClient {
56
57
58     public static void main(String[] args) {
59
60         // what is wrong? what is happening?
61
62         Product my_product = new Product();
63         my_product.id = 9482;
64         my_product.name = "C. Shampoo";
65         my_product.price = 6.89;
66
67
68         Product product1 = new Product(9482, "C. Shampoo", 6.89);
69         Product product2 = new Product(9492, "C. Conditioner");
70
71         System.out.println("Original Products:");
72         System.out.println(product1 + "\n");
73         System.out.println(product2 + "\n");
74
75         product1.setPrice(7.79);
76         product2.setPrice(5.99);
77
78         System.out.println("After Change Prices:");
79         System.out.println("product1 price " + product1.getPrice());
80         System.out.println("product2 price " + product2.getPrice() + "\n");
81     }
82
83
84 }
```