public class Product {

    private static int id;
    private String name;
    private double price;

    public Product(int id, String n, double price){
        // which is correct? cross and correct the others?
        // what is happening in each case
        id = this.id;
        this.name = n;
        n = this.name;
        price = price;
    }

    public Product(int id, String name){
        // add one line
    }

    public double Product(){
        id = 9999;
        name = "";
        price = 0.00;
    }

    /* set price method
    * precondition: Price is not negative.
    */
    public double setPrice(double new_price){
        if (new_price < 0) {
            throw new IllegalArgumentException("New price, " + new_price + " is negative");
        }
        price = new_price;
    }

    public static double getPrice(){
        return price;
    }

    public String toString() {
        System.out.println("Product id: " + id + "

    name: " + name + "

    price: " + price);
    }

    public class ProductClient {

        public static void main(String[] args) {
            // what is wrong? what is happening?
            Product my_product = new Product();
            my_product.id = 9482;
            my_product.name = "C. Shampoo";
            my_product.price = 6.89;

            Product product1 = new Product(9482, "C. Shampoo", 6.89);
            Product product2 = new Product(9492, "C. Conditioner");
            System.out.println("Original Products:");
            System.out.println(product1 + "\n");
            System.out.println(product2 + "\n");
            product1.setPrice(7.79);
            product2.setPrice(5.99);
            System.out.println("After Change Prices:");
            System.out.println("product1 price " + product1.getPrice());
            System.out.println("product2 price " + product2.getPrice() + "\n");
        }
    }
}