



## Experiment 2

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- 1. Aim:** Write a Java program to create a Product class with attributes id, name, and price.
- 2. Objective:** To Implement a constructor to initialize the attributes and then to create a method to display product details and Instantiate multiple Product objects and display their details.

### **3. Algorithm/Approach:**

**Start**

**Define a class Product with attributes:**

int id (stores product ID)

String name (stores product name)

double price (stores product price)

**Create a constructor to initialize the attributes.**

**Define a method displayProduct() to print product details.**

**Inside the main method:**

Create instances of the Product class.

Call the displayProduct() method to print product details.

**End.**

## 4. Implementation/Code:

```
package package_Noobie;

public class EXP_2 {

    int id;
    String name;
    double price;

    EXP_2(int id, String name, double price)
    {
        this.id = id;
        this.name = name;
        this.price = price;
    }

    public void displayProduct() {
        System.out.println("Product ID: " + id);
        System.out.println("Name: " + name);
        System.out.println("Price: " + price);
    }

    public static void main(String [] args) {
        EXP_2 product = new EXP_2(101 , "ACER", 2700.90);
        product.displayProduct();
    }
}
```

## 5. Output

```
Product ID: 101  
Name: ACER  
Price: 2700.9
```

## 6. Learning Outcome:

- Use private attributes with getter and setter methods for data protection.
- Understand how to call methods on objects to perform operations.
- Learn how to store and manage multiple product details using objects.