

Graceful-Green-Blanca

Online Java Compiler IDE

Execute

Flask

```
1 import java.util.ArrayList;
2 import java.util.List;
3
4 // --- Product Class ---
5 class Product {
6     private String name;
7     private double price;
8     private int quantity;
9
10    public Product(String name, double price, int quantity) {
11        this.name = name;
12        this.price = price;
13        this.quantity = quantity;
14    }
15
16    public double getTotalPrice() {
17        return price * quantity;
18    }
19
20    public String getName() {
21        return name;
22    }
23
24    public int getQuantity() {
25        return quantity;
26    }
27
28    @Override
29    public String toString() {
30        return name + " x " + quantity + " @ ₹" + price + " = ₹" + getTotalPrice();
31    }
32 }
33
34 // --- Bill Class ---
35 class Bill {
36     private List<Product> products = new ArrayList<>();
37
38     public void addProduct(Product p) {
39         products.add(p);
40     }
41
42     public double calculateTotal() {
43         double total = 0;
44         for (Product p : products) {
45             total += p.getTotalPrice();
46         }
47         return total;
48     }
49
50     public void printBill() {
51         System.out.println("----- BILL -----");
52         for (Product p : products) {
53             System.out.println(p);
54         }
55         System.out.println("-----");
56         System.out.println("Total Amount: ₹" + calculateTotal());
57     }
58 }
```

Input/Output

Build beautiful web apps with JDoodle.ai

Language version: Jdk 21.0.0

Interactive Mode

Input arguments

Output

Generated files

----- BILL -----
Pen x 2 @ ₹15.0 = ₹25.0
Notebook x 3 @ ₹50.0 = ₹150.0
Eraser x 5 @ ₹5.0 = ₹25.0

Total amount: ₹195.0

Compiled and executed in 1.794 secs

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Execute

Java

R

```
18 }
19
20 public String getName() {
21     return name;
22 }
23
24 public int getQuantity() {
25     return quantity;
26 }
27
28 @Override
29 public String toString() {
30     return name + " x " + quantity + " @ $" + price + " = $" + getTotalPrice();
31 }
32 }
33
34 // ... Bill Class ...
35 class Bill {
36     private List<Product> products = new ArrayList<>();
37
38     public void addProduct(Product p) {
39         products.add(p);
40     }
41
42     public double calculateTotal() {
43         double total = 0;
44         for (Product p : products) {
45             total += p.getTotalPrice();
46         }
47         return total;
48     }
49
50     public void printBill() {
51         System.out.println("----- Bill -----");
52         for (Product p : products) {
53             System.out.println(p);
54         }
55         System.out.println("-----");
56         System.out.println("Total Amount: $" + calculateTotal());
57     }
58 }
59
60 // ... Main Class ...
61 public class BillingSystem {
62     public static void main(String[] args) {
63         Bill bill = new Bill();
64
65         // Adding products
66         bill.addProduct(new Product("Pen", 10, 2));
67         bill.addProduct(new Product("Notebook", 50, 3));
68         bill.addProduct(new Product("Eraser", 5, 5));
69
70         // Print bill
71         bill.printBill();
72     }
73 }
74 }
```

Build beautiful web apps with [JDoodle.ai](#)

Language version:

JDK 21.0.0

Interactive Mode

Input arguments

Output

Generated files

----- BILL -----
Pen x 2 @ \$10.0 = \$20.0
Notebook x 3 @ \$50.0 = \$150.0
Eraser x 5 @ \$5.0 = \$25.0

Total Amount: \$195.0

Compiled and executed in 1.794 secs