





File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce \ src \ com \ company \ product

Main ▶ ⚙️ 🔍

Project Main.java x product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x

```
1 package com.company;
2
3 public class product {
4     private String name;
5     private int productId;
6     private float price;
7     public product(String name,int productId,float price){
8         this.name=name;
9         this.productId=Math.abs(productId);
10        this.price=Math.abs(price);
11    }
12    public void setName(String name) { this.name = name; }
13
14
15
16    public String getName() { return name; }
17
18
19
20    public void setProductId(int productId) { this.productId = Math.abs(productId); }
21
22
23
24    public int getProductId() { return productId; }
25
26
27
28    public void setPrice(float price) { this.price = Math.abs(price); }
29
30
31
32    public float getPrice() { return price; }
33
34
35 }
36
```

product

Run: Main x

0 Messages ▶ 4 Run 6 TODO Terminal

1 Event Log

Error: java.awt.print.PrinterAbortException (53 minutes ago)

3:14 CRLF UTF-8 4 spaces

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce > src > com > company > ElectronicProduct

Main

Main.java x product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x

```
1 package com.company;
2
3 public class ElectronicProduct extends product {
4     private String brand;
5     private int warrantyPeriod;
6     public ElectronicProduct(String name,int productId,float price,String brand,int warrantyPeriod){
7         super(name,productId,price);
8         this.brand=brand;
9         this.warrantyPeriod=Math.abs(warrantyPeriod);
10    }
11    public void setBrand(String brand) {
12        this.brand = brand;
13    }
14
15    public String getBrand() {
16        return brand;
17    }
18
19    public void setWarrantyPeriod(int warrantyPeriod) {
20        this.warrantyPeriod = Math.abs(warrantyPeriod);
21    }
22
23    public int getWarrantyPeriod() {
24        return warrantyPeriod;
25    }
26 }
27
```

ElectronicProduct

Run: Main

0: Messages 4: Run 6: TODO Terminal

Error: java.awt.print.PrinterAbortException (55 minutes ago) 3:14 CRLF UTF-8 4 spaces

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce \ src \ com \ company \ ClothingProduct

Main

Main.java x product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x

```
1 package com.company;
2
3 public class ClothingProduct extends product {
4     private String size;
5     private String fabric;
6     public ClothingProduct(String name,int productld,float price,String size,String fabric){
7         super(name,productld,price);
8         this.size=size;
9         this.fabric=fabric;
10    }
11    public void setSize(String size) {
12        this.size = size;
13    }
14
15    public String getSize() {
16        return size;
17    }
18
19    public void setFabric(String fabric) {
20        this.fabric = fabric;
21    }
22
23    public String getFabric() {
24        return fabric;
25    }
26 }
27
```

ClothingProduct

Run: Main

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce > src > com > company > BookProduct

Main ▶ ⚙️ ↺ 📄 🔍

1: Project Main.java × product.java × ElectronicProduct.java × ClothingProduct.java × BookProduct.java × Customer.java × Cart.java × 2: Structure 3: Favorites

```
1 package com.company;
2
3 public class BookProduct extends product {
4     private String author;
5     private String publisher;
6     public BookProduct(String name,int productId,float price,String author ,String publisher){
7         super(name,productId,price);
8         this.author=author;
9         this.publisher= publisher;
10    }
11    public void setAuthor(String author) {
12        this.author = author;
13    }
14
15    public String getAuthor() {
16        return author;
17    }
18
19    public void setPublisher(String publisher) {
20        this.publisher = publisher;
21    }
22
23    public String getPublisher() {
24        return publisher;
25    }
26 }
27
```

BookProduct

Run: Main ×

⚙️ —

0: Messages ▶ 4: Run 6: TODO Terminal

1 Event Log

Error: java.awt.print.PrinterAbortException (57 minutes ago)

3:14 CRLF UTF-8 4 spaces 🏠

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce \ src \ com \ company \ Customer

Main

Main.java x product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x

```
2 public class Customer {
3     private int customerId;
4     private String name;
5     private String address;
6     public Customer(int customerId,String name,String address){
7         this.customerId=Math.abs(customerId);
8         this.name=name;
9         this.address=address;
10    }
11    public void setCustomerId(int customerId) {
12        this.customerId = Math.abs(customerId);
13    }
14    public int getCustomerId() {
15        return customerId;
16    }
17    public void setName(String name) {
18        this.name = name;
19    }
20    public String getName() {
21        return name;
22    }
23    public void setAddress(String address) {
24        this.address = address;
25    }
26    public String getAddress() {
27        return address;
28    }
```

Run: Main

0: Messages 4: Run 6: TODO Terminal

1 Event Log

Error: java.awt.print.PrinterAbortException (today 02:08)

1:21 CRLF UTF-8 4 spaces

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce src com company Cart

Main

Main.java product.java ElectronicProduct.java ClothingProduct.java BookProduct.java Customer.java Cart.java

Project

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Structure

Favorites

```
package com.company;

public class Cart {

    private int customerId;
    private int nProducts;
    private product[] products;

    public Cart (int customerId, int nProducts){
        this.customerId= Math.abs(customerId);
        this.nProducts= Math.abs(nProducts);
        this.products=new product[nProducts];
    }

    public void setCustomerId(int customerId) {

        this.customerId = Math.abs(customerId);
    }

    public int getCustomerId() {

        return customerId;
    }

    public void setnProducts(int nProducts) {
        this.nProducts = Math.abs(nProducts);
        this.products=new product[this.nProducts];
    }
}
```

Cart

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce src com company Cart

Main.java product.java ElectronicProduct.java ClothingProduct.java BookProduct.java Customer.java Cart.java

```
28 public product[] getProducts() {
29     return products; }
30 public void addProduct(product product,int index){
31     if(index>=0&& index < nProducts){
32         products[index]=product;
33     }else {
34         System.out.println("invalid index");
35     }
36 }
37 public void removeProduct(int index){
38     if(index >=0&& index< nProducts){
39         products[index]=null;
40     }else {
41         System.out.println(" invalid index");
42     }
43 }
44 public double calculatePrice(){
45     float totalPrice= 0;
46     for (product product: products){
47         if (product!=null){ totalPrice+=product.getPrice(); }
48     }
49     return totalPrice;
50 }
51 public void placeOrder(){
52     System.out.println("Order Placed Successfully");
53 }
```

Cart > getProducts()

Run: Main

0: Messages 4: Run 6: TODO Terminal

Error: java.awt.print.PrinterAbortException (today 02:08)

29:26 CRLF UTF-8 4 spaces Event Log

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce src com company Order

Main

ElectronicProduct.java ClothingProduct.java BookProduct.java Customer.java Cart.java Order.java e-commerce.iml

```
1 package com.company;
2 public class Order {
3     private int customerId;
4     private int orderId;
5     private product[] products;
6     private float totalPrice;
7
8     public Order(int customerId, int orderId, product[] products, float totalPrice){
9         this.customerId=Math.abs(customerId);
10        this.orderId=Math.abs(orderId);
11        this.totalPrice=Math.abs(totalPrice);
12        this.products=products;
13    }
14
15    public void setCustomerId(int customerId) { this.customerId = Math.abs(customerId); }
16
17
18
19    public int getCustomerId() { return customerId; }
20
21
22
23    public void setOrderId(int orderId) { this.orderId =Math.abs( orderId); }
24
25
26
27    public int getOrderId() { return orderId; }
28
29
30
31    public void setProducts(product[] products) { this.products = products; }
32
33
34
35    public product[] getProducts() { return products; }
36
37
38
39    public void setTotalPrice(float totalPrice) { this.totalPrice =Math.abs( totalPrice); }
```

Run: Main

0: Messages 4: Run 6: TODO Terminal Event Log

Error: java.awt.print.PrinterAbortException (today 02:08) 1:21 CRLF UTF-8 4 spaces

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

e-commerce src com company Order

ElectronicProduct.java ClothingProduct.java BookProduct.java Customer.java Cart.java Order.java e-commerce.iml

```
35 public product[] getProducts() {
36     return products;
37 }
38
39 public void setTotalPrice(float totalPrice) {
40     this.totalPrice = Math.abs( totalPrice);
41 }
42
43 public float getTotalPrice() {
44     return totalPrice;
45 }
46 public void printOrderInfo(){
47     System.out.println("Order ID "+orderId);
48     System.out.println("Customer ID: "+ customerId);
49     System.out.println("Products :");
50     for (product product : products){
51         System.out.println(" - "+ product.getName() + " , Price :"+ product.getPrice());
52     }
53     System.out.println("total price "+ totalPrice);
54 }
55 }
56
```

Project
Structure
Favorites

Order > getTotalPrice()

Run: Main

0 Messages 4 Run 6 TODO Terminal

1 Event Log

Error: java.awt.print.PrinterAbortException (today 02:08 ص)

43:33 CRLF UTF-8 4 spaces

```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
e-commerce \src\com\company\Main
Main
Main.java x product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x
Run: Main x
Welcome to the E-commerce System!
Enter your ID
23012123
Enter your name
Adel
Enter your address
Alex
How many products do you want to add to your cart?
4
Which product would you like to add? 1- smartphone 2- T-shirt 3- OOP
2
Which product would you like to add? 1- smartphone 2- T-shirt 3- OOP
3
Which product would you like to add? 1- smartphone 2- T-shirt 3- OOP
2
Which product would you like to add? 1- smartphone 2- T-shirt 3- OOP
1
Your total is 679.8699951171875 Do you want to place an order for the products in your cart? (1=yes or2- no)
1
Here is your order summary
Order ID 1
Customer ID 23012084
Products :
- T-shirt , Price :19.99
- OOP , Price :39.99
- T-shirt , Price :19.99
- smartphone , Price :599.9
total price 679.87
```