

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help EcommerceSystem - Apache NetBeans IDE 19 Search (Ctrl+I)

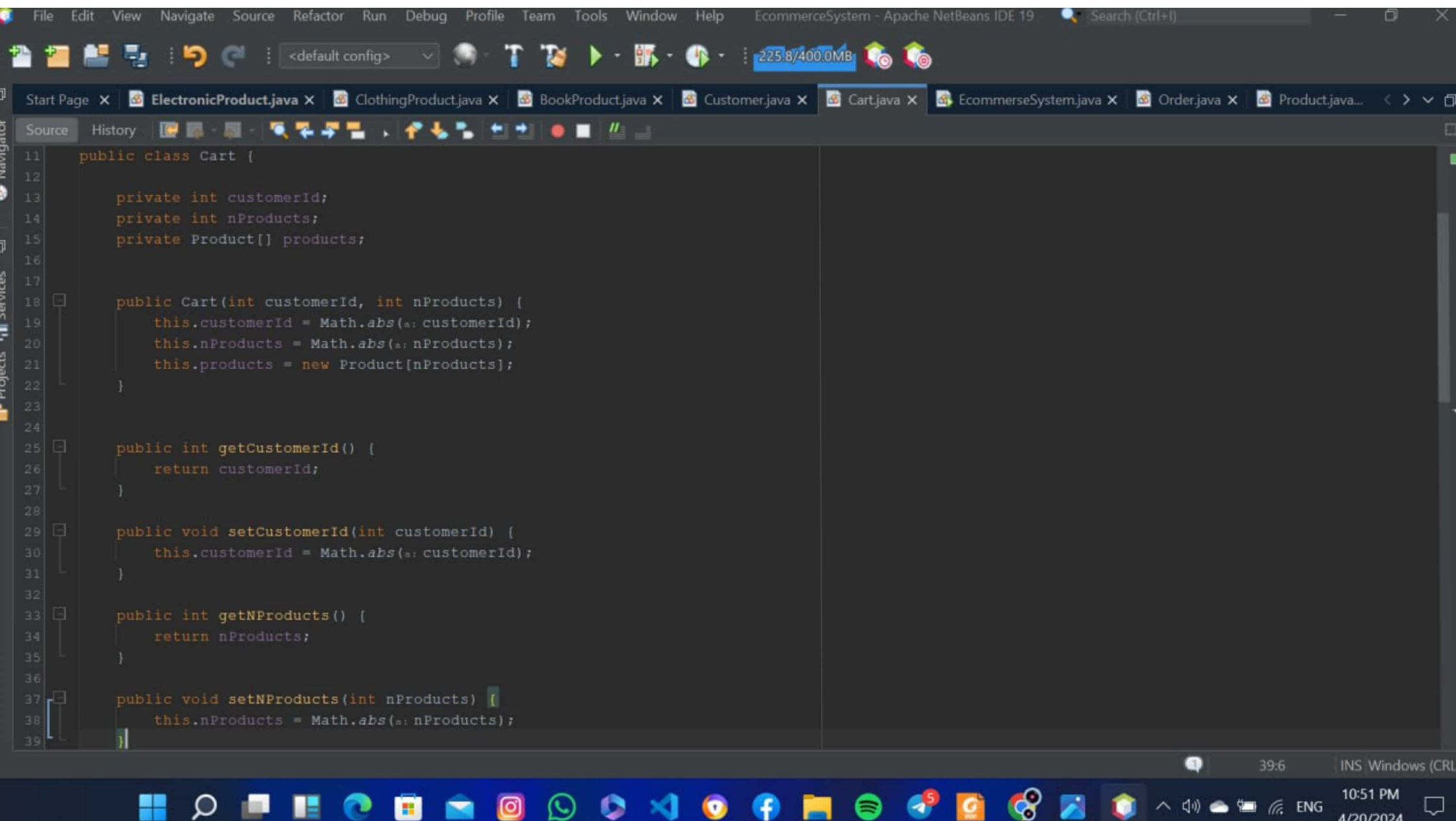
Start Page X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X EcommerceSystem.java X Order.java X Product.java...

Source History

```
1 ...4 lines
5 package ecommerceSystem;
6
7 public class Order {
8     private int customerId;
9     private int orderId;
10    private Product[] products;
11    private float totalPrice;
12
13    public Order(int customerId, int orderId, Product[] products) {
14        this.customerId = Math.abs(customerId); // Ensuring positive integer
15        this.orderId = Math.abs(orderId); // Ensuring positive integer
16        this.products = products;
17        this.totalPrice = calculateTotalPrice();
18    }
19
20    public int getCustomerId() {
21        return customerId;
22    }
23
24    public int getOrderId() {
25        return orderId;
26    }
27
28    public Product[] getProducts() {
29        return products;
30    }
31
32    public float getTotalPrice() {
33        return totalPrice;
34    }
35 }
```

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```
7 public class BookProduct extends Product {  
8  
9     private String author;  
10    private String publisher;  
11  
12  
13    public BookProduct(int productId, String name, float price, String author, String publisher) {  
14        super(productId, name, price);  
15        this.author = author;  
16        this.publisher = publisher;  
17    }  
18  
19    public String getAuthor() {  
20        return author;  
21    }  
22  
23    public void setAuthor(String author) {  
24        this.author = author;  
25    }  
26  
27    public String getPublisher() {  
28        return publisher;  
29    }  
30  
31    public void setPublisher(String publisher) {  
32        this.publisher = publisher;  
33    }  
34 }
```



```
40
41 public Product[] getProducts() {
42     return products;
43 }
44
45 public void setProducts(Product[] products) {
46     this.products = products;
47 }
48
49
50 public void addProduct(Product product, int index) {
51     if (index >= 0 && index < nProducts) {
52         products[index] = product;
53     } else {
54         System.out.println("Invalid index.");
55     }
56 }
57
58 public void removeProduct(int index) {
59     if (index >= 0 && index < nProducts) {
60         products[index] = null;
61     } else {
62         System.out.println("Invalid index.");
63     }
64 }
65
66
67 public float calculatePrice() {
68     float totalPrice = 0;
```

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ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X EcommerceSystem.java X Order.java X Product.java X

Source History

```
7  /**...4 lines */
11 public class Product {
12     private int productId;
13     private String name;
14     private float price;
15     public Product(int productId, String name, float price) {
16         this.productId = Math.abs(productId);
17         this.name = name;
18     }
19     public int getProductId() {
20         return productId;
21     }
22     public void setProductId(int productId) {
23         this.productId = Math.abs(productId);
24     }
25     public String getName() {
26         return name;
27     }
28     public void setName(String name) {
29         this.name = name;
30     }
31     public float getPrice() {
32         return price;
33     }
34     public void setPrice(float price) {
35         this.price = Math.abs(price);
36     }
37 }
```

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Start Page X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X EcommerceSystem.java X Order.java X Product.java...

Source History

```
int productType = scanner.nextInt();
scanner.nextLine(); // Consume newline
switch (productType) {
    case 1:
        cart.addProduct(product:electronicProduct, index: i);
        break;
    case 2:
        cart.addProduct(product:clothingProduct, index: i);
        break;
    case 3:
        cart.addProduct(product:bookProduct, index: i);
        break;
    default:
        System.out.println(x: "Invalid product type.");
        break;
}

System.out.print(x: "Do you want to place an order for the products in the cart? (yes/no): ");
String response = scanner.nextLine();
if (response.equalsIgnoreCase(anotherString: "yes")) {
    float totalPrice = cart.calculatePrice();
    System.out.println("Total Price: $" + totalPrice);
    cart.placeOrder();
    // Print order info
    System.out.println(x: "\nOrder Information:");
    Order order = new Order(customerId: customer.getCustomerId(), orderId:1, products:cart.getProducts());
    order.printOrderInfo();
} else {
```

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Start Page X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X EcommerceSystem.java X Order.java X Product.java...

Source History

```
7  /**
8   *
9   * @author SONY
10  */
11  public class ClothingProduct extends Product {
12
13
14      private String size;
15      private String fabric;
16
17
18      public ClothingProduct(int productId, String name, float price, String size, String fabric) {
19          super(productId, name, price);
20          this.size = size;
21          this.fabric = fabric;
22      }
23
24      public String getSize() {
25          return size;
26      }
27
28      public void setSize(String size) {
29          this.size = size;
30      }
31
32      public String getFabric() {
33          return fabric;
34      }
35  }
```

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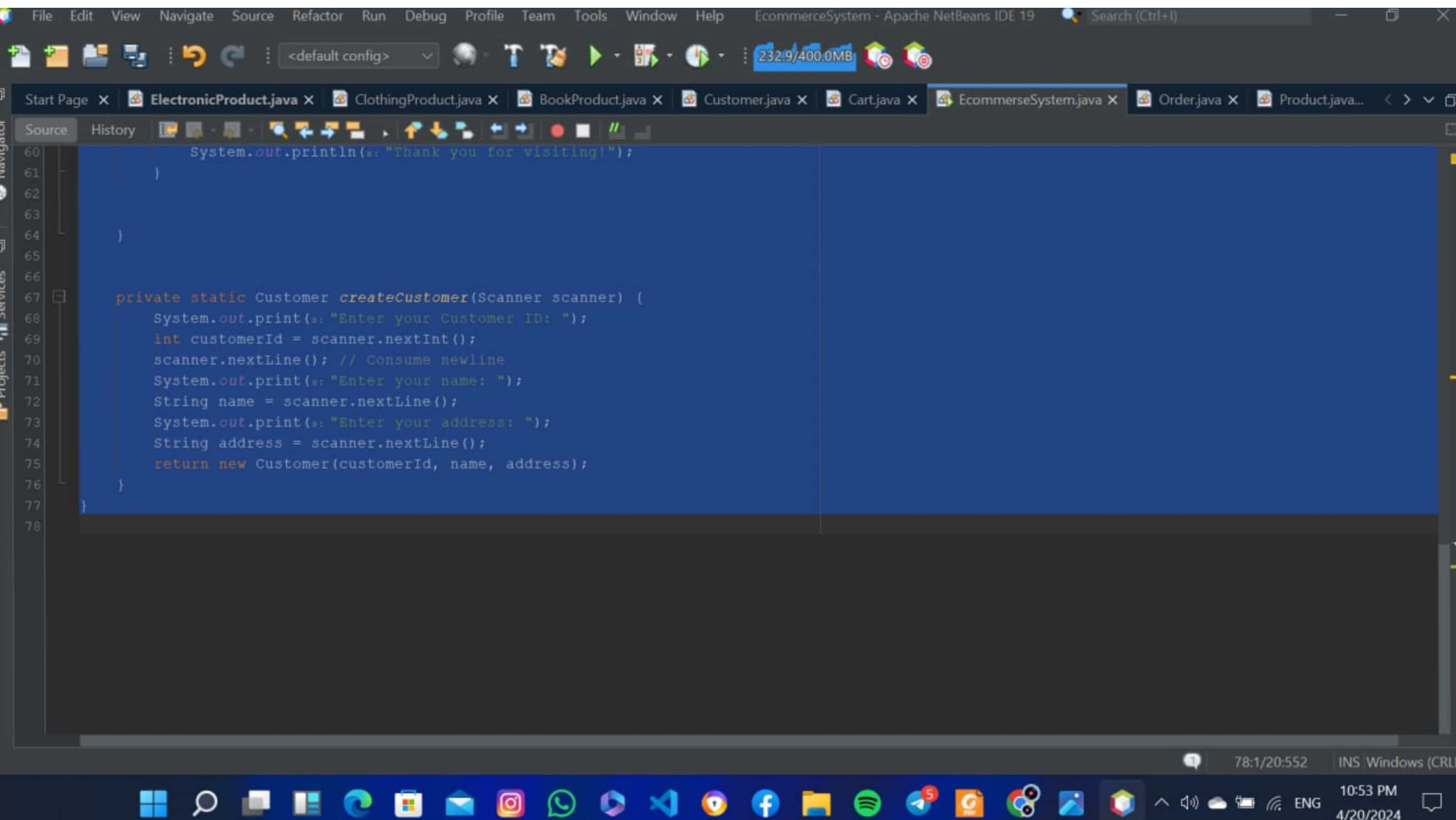
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Start Page X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X EcommerceSystem.java X Order.java X Product.java...

Source History

```
4 public class EcommerceSystem {
5
6     /**
7      * @param args the command line arguments
8      */
9     public static void main(String[] args) {
10
11         Scanner scanner = new Scanner(System.in);
12
13
14         System.out.println("Welcome to our E-commerce System!");
15
16         ElectronicProduct electronicProduct = new ElectronicProduct(productId: 1, name: "smartphone", price: 599.9f, brand: "Samsung", warrantyPeriod: 1);
17
18         ClothingProduct clothingProduct = new ClothingProduct(productId: 2, name: "T-shirt", price: 19.99f, size: "Medium", fabric: "Cotton");
19
20         BookProduct bookProduct = new BookProduct(productId: 3, name: "OOP", price: 39.99f, author: "O'Reilly", publisher: "X Publications");
21
22         Customer customer = createCustomer(scanner);
23
24         System.out.print("How many products do you want to order? ");
25         int nProducts = scanner.nextInt();
26         scanner.nextLine(); // Consume newline
27         Cart cart = new Cart(customerId: customer.getCustomerId(), nProducts);
28         for (int i = 0; i < nProducts; i++) {
29             System.out.println("Enter details for product " + (i + 1) + ":");
30             System.out.print("Enter product type (1 for Electronic, 2 for Clothing, 3 for Book): ");
31             int productType = scanner.nextInt();
```

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```
run:
Welcome to our E-commerce System!
Enter your Customer ID: 23012102
Enter your name: Ahmed Abdelgelil
Enter your address: Alexandria
How many products do you want to order? 3
Enter details for product 1:
Enter product type (1 for Electronic, 2 for Clothing, 3 for Book): 1
Enter details for product 2:
Enter product type (1 for Electronic, 2 for Clothing, 3 for Book): 2
Enter details for product 3:
Enter product type (1 for Electronic, 2 for Clothing, 3 for Book): 3
Do you want to place an order for the products in the cart? (yes/no): yes
Total Price: $0.0
Order placed successfully.

Order Information:
Order ID: 1
Customer ID: 23012102
Products:
- smartphone: $0.0
- T-shirt: $0.0
- OOP: $0.0
Total Price: $0.0
BUILD SUCCESSFUL (total time: 36 seconds)
```

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Start Page X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X EcommerceSystem.java X Order.java X Product.java...

Source History

```
8
9  /**.Name
10   *
11   * @author SONY
12   */
13  public class ElectronicProduct extends Product {
14
15      private String brand;
16      private int warrantyPeriod;
17
18      public ElectronicProduct(int productId, String name, float price, String brand, int warrantyPeriod) {
19          super(productId, name, price);
20          this.brand = brand;
21          this.warrantyPeriod = Math.abs(warrantyPeriod);
22      }
23
24      public String getBrand() {
25          return brand;
26      }
27
28      public void setBrand(String brand) {
29          this.brand = brand;
30      }
31
32      public int getWarrantyPeriod() {
33          return warrantyPeriod;
34      }
35
36      public void setWarrantyPeriod(int warrantyPeriod) {
37          this.warrantyPeriod = Math.abs(warrantyPeriod);
38      }
39  }
```

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