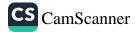
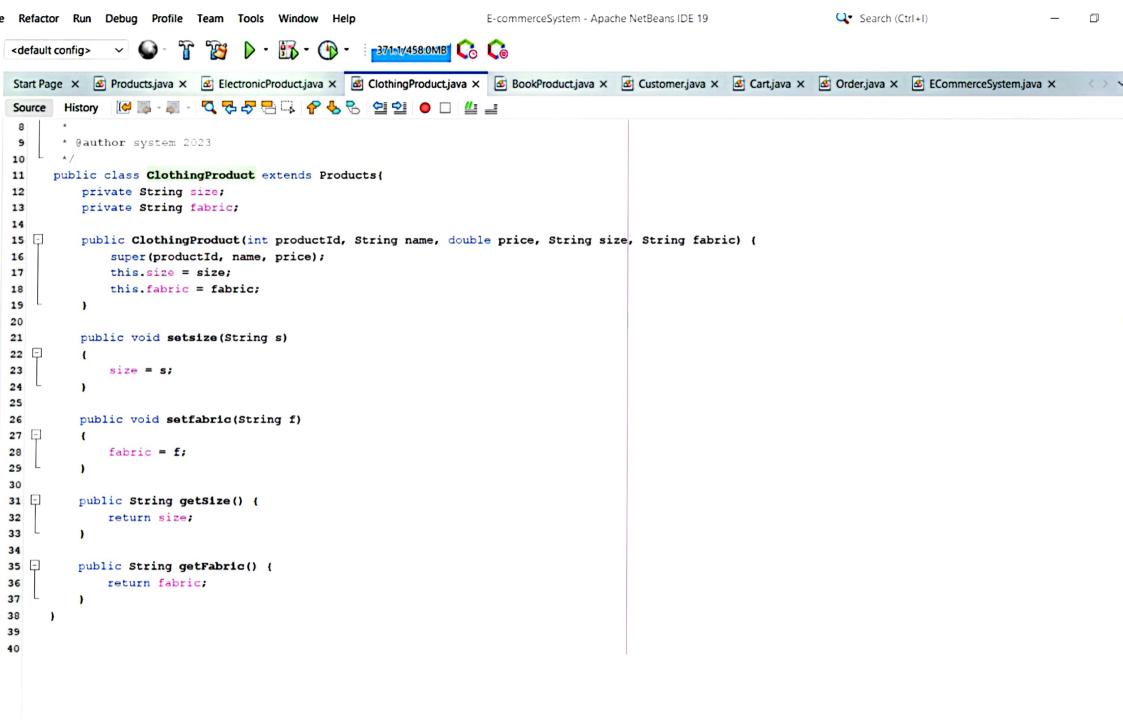
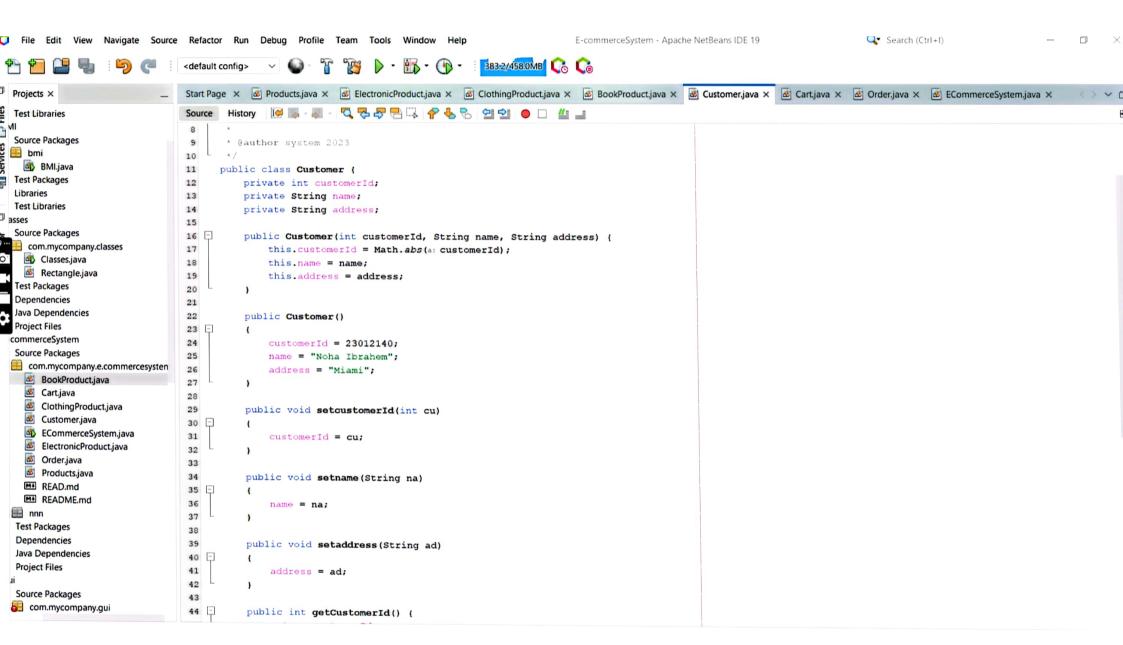


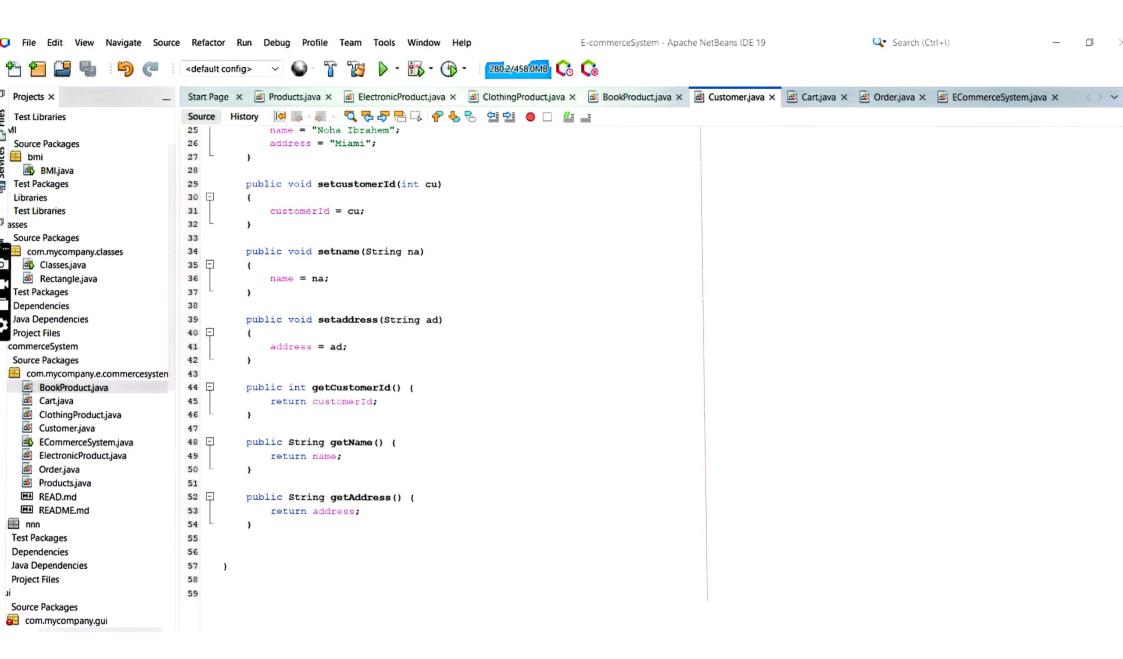
```
* @author system 2023
9
10
      public class ElectronicProduct extends Products(
11
12
          private String brand;
          private int warrantyPeriod;
13
14
          public ElectronicProduct(int productId, String name, double price, String brand, int warrantyPeriod) {
              super (productId, name, price);
16
              this.brand = brand;
17
              this.warrantyPeriod = Math.abs(a: warrantyPeriod);
18
19
20
21
          public void setbrand(String br)
22
23
24
            brand = br;
25
26
          public void setwarrantyPeriod(int w)
27
28
29
            warrantyPeriod= w;
30
          }
31
          public String getBrand() {
32
33
              return brand;
          }
34
35
          public int getWarrantyPeriod() {
36 -
              return warrantyPeriod;
37
38
39
40
41
```

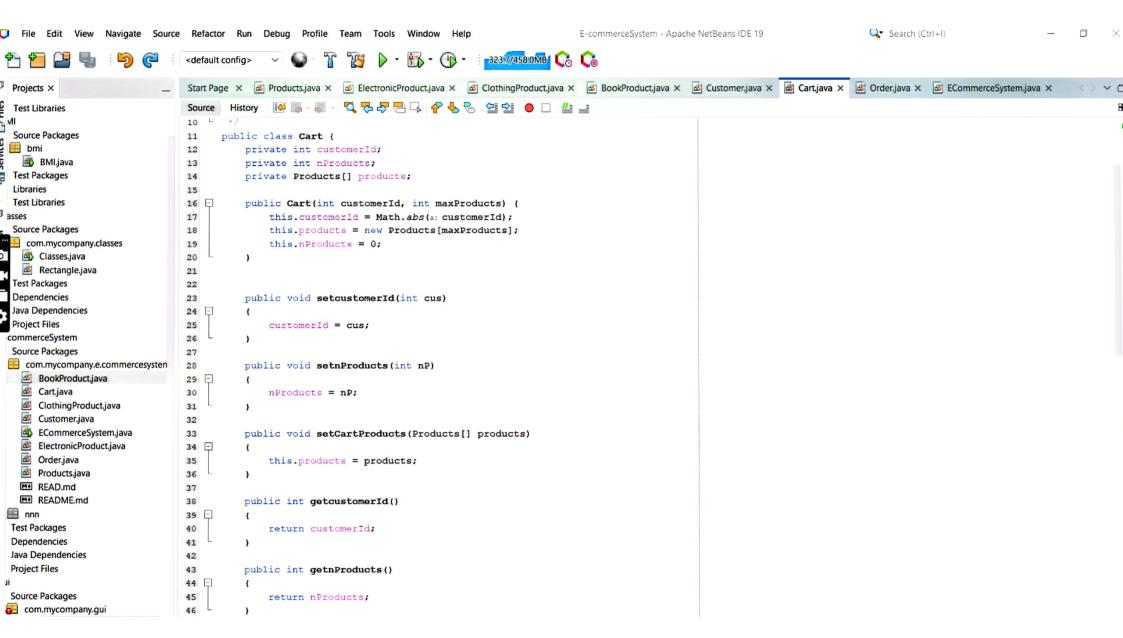


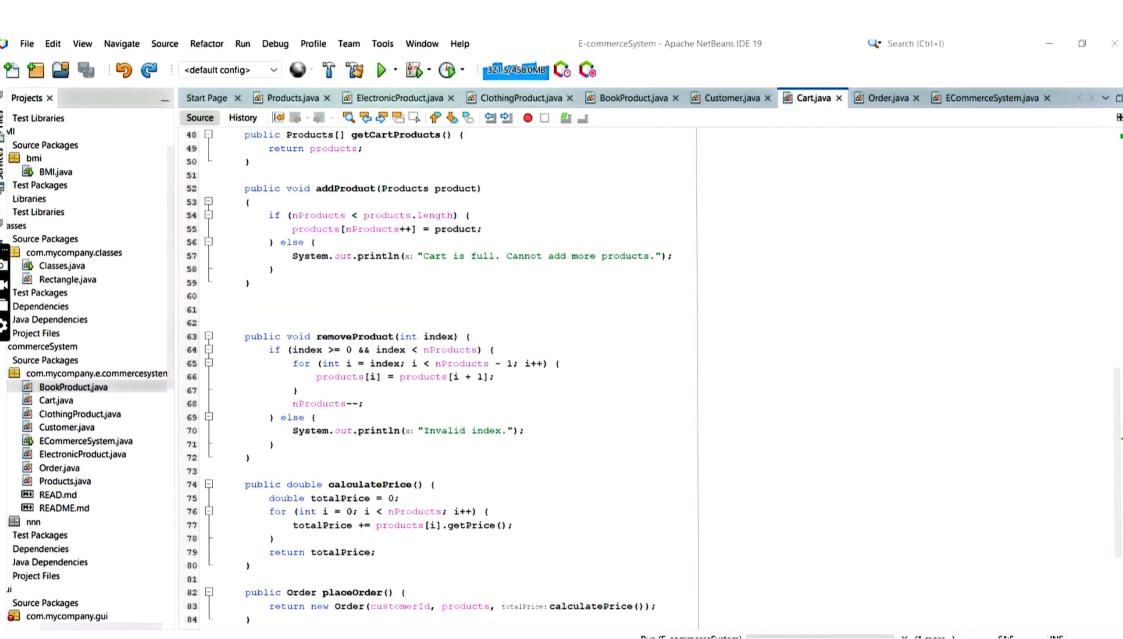


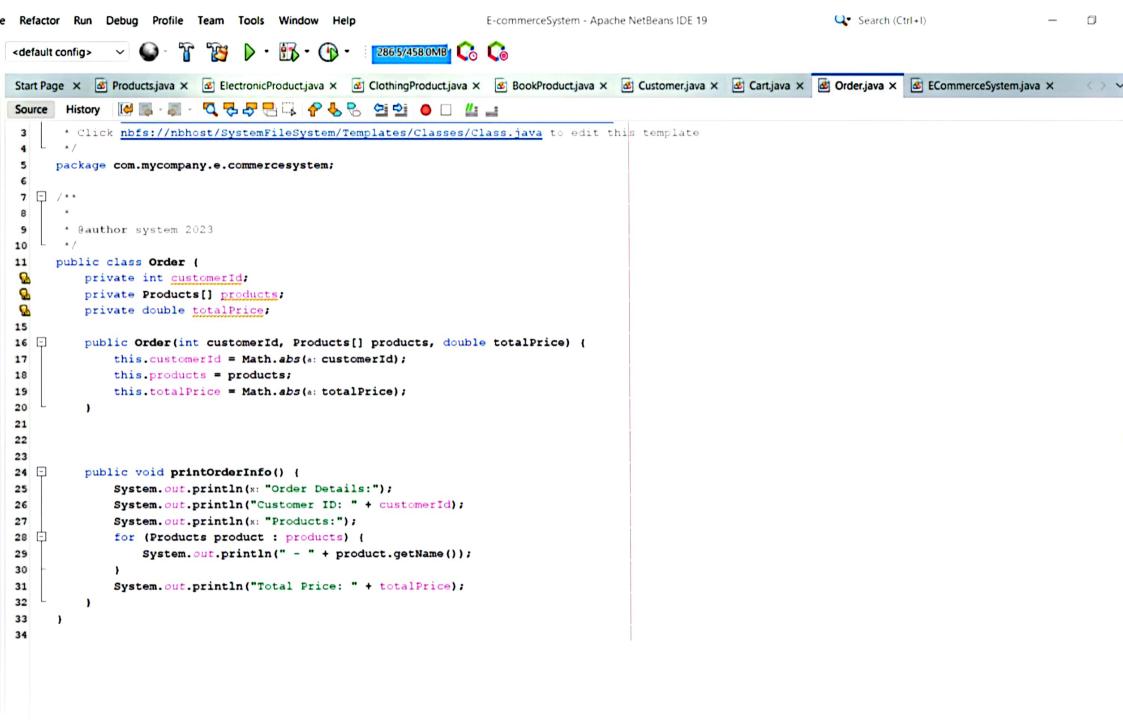
```
* @author system 2023
 10
       public class BookProduct extends Products(
 11
           private String author;
 12
           private String publisher;
 13
 14
15 -
           public BookProduct(int productId, String name, double price, String author, String publisher) {
16
               super(productId, name, price);
17
               this.author = author;
               this.publisher = publisher;
18
19
          }
20
          public void setauthor(String a)
21
22
23
              author = a;
24
25
          public void setpublisher (String pu)
26
27
28
              publisher = pu;
29
          }
30
          public String getAuthor() {
31
32
              return author;
33
34
         public String getPublisher() {
35
              return publisher;
36
37
38
```











```
...ge 🗷 Products.java × 🗷 ElectronicProduct.java × 🗷 ClothingProduct.java × 🗷 BookProduct.java × 🗷 Customer.java × 🗷 Cart.java × 🗷 Cort.java ×
                                         [6] [8] - [8] · [7] · [7] · [7] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [8] · [
        Source
        1 - /*
                       * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
                   package com.mycompany.e.commercesystem;
      6 import java.util.Scanner;
     8 -
     9
                   * @author system 2023
   10
  11
  12
                public class ECommerceSystem (
 13
 14 -
                         public static void main(String[] args) {
 15
16
                                 Scanner scanner = new Scanner (source: System. in);
17
18
                                 System.out.println(x: "Welcome to the E-Commerce System!");
                                 System.out.println(x: "Please enter your id:");
19
                                 int customerId = scanner.nextInt();
                                scanner.nextLine(); // Consume newline
                               System.out.println(x: "Please enter your name:");
                               String customerName = scanner.nextLine();
                               System.out.println(x: "Please enter your address:");
                              String customerAddress = scanner.nextLine();
                              Customer customer = new Customer(customerId, name: customerName, address: customerAddress);
                             System.out.println(x: "How many products you want to add to your cart?");
                             int numProducts = scanner.nextInt();
                            scanner.nextLine(); // Consume newline
                            Cart cart = new Cart(customerId: customer.getCustomerId(), maxProducts: numProducts);
                           for (int i = 0; i < numProducts; i++) (
                                    System.out.println(x: "Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP");
                                    int productType = scanner.nextInt();
                                   scanner.nextLine(); // Consume newline
```



```
ElectronicProduct.java × 🗷 ClothingProduct.java × 🗗 BookProduct.java × 🗷 Customer.java × 🗗 Cart.java × 🗗 Order.java ×
...ge ₫
       Products.java X
Source
       History
                   Scanner . Mexcurine () , // Consume newline
-
37
                   switch (productType) {
                       case 1:
39
                            cart.addProduct(new ElectronicProduct(productId:1, name: "Smartphone", price: 599.99, brand: "Samsung", warrantyPeriod: 1));
40
41
                            break:
                        case 2:
42
                            cart.addProduct(new ClothingProduct(productId:2, name: "T-Shirt", price: 19.99, size: "Medium", fabric: "Cotton"));
43
                            break:
44
45
                        case 3:
                            cart.addProduct(new BookProduct(productId:3, name: "OOP", price: 39.99, author: "O'Reilly", publisher: "X Publications"));
 46
                            break:
 47
 48
                        default:
                             System.out.println(x: "Invalid product choice!");
 49
 50
                             break:
 51
                    }
 52
 53
                double totalPrice = cart.calculatePrice();
 54
                System.out.println("Your total is $" + totalPrice + ". Would you like to place the order? 1- Yes 2- No");
 55
 56
                 int choice = scanner.nextInt();
 57
                 scanner.nextLine(); // Consume newline
                 if (choice == 1) {
  58
                     Order order = cart.placeOrder();
  59
                     System.out.println(x: "Here's your order's summary:");
  60
                     order.printOrderInfo();
  61
  62
                 else (
                     System.out.println(x: "Order not placed. Exiting...");
  63
  64
  65
  66
   67
   68
   69
   70
   71
   72
```

```
Output X
    Run (E-commerceSystem) ×
                               Run (E-commerceSystem) ×
--- exec:3.1.0:exec (default-cli) @ E-commerceSystem ---
Welcome to the E-Commerce System!
Q
      Please enter your id:
      20231
      Please enter your name:
egg
      Noha Ibrahem
      Please enter your address:
      Miamy
      How many products you want to add to your cart?
      Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP
      Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP
     Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP
     Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP
     Your total is $679.96. Would you like to place the order? 1- Yes 2- No
     Here's your order's summary:
      Order Details:
      Customer ID: 20231
     Products:
       - T-Shirt
       - OOP
       - T-Shirt
       - Smartphone
      Total Price: 679.96
      BUILD SUCCESS
```

