

```
20 System.out.println(x: "Welcome to E-commerce System");
21 // product1
22 ElectronicProduct p1 = new ElectronicProduct();
23 p1.setName(name: "smartphone");
24 p1.setProductId(productId: 1);
25 p1.setPrice(price: 599.9f);
26 p1.setBrand(brand: "Samsung");
27 p1.setWarrantyPeriod(warrantyPeriod:1);
28 // product2
29 ClothingProduct p2 = new ClothingProduct();
30 p2.setName(name: "T-shirt");
31 p2.setProductId(productId: 2);
32 p2.setPrice(price: 19.99f);
33 p2.setSize(size: "Medium");
34 p2.setFabric(fabric: "Cotton");
35 // product3
36 BookProduct p3 = new BookProduct();
37 p3.setName(name: "OOP");
38 p3.setProductId(productId: 3);
39 p3.setPrice(price: 39.99f);
40 p3.setAuthor(author: "O'Reilly");
41 p3.setPublisher(publisher: "X Publications");
42 // customer
43 Customer c = new Customer();
44 System.out.println(x: "Please enter your id:");
45 int id = input.nextInt();
46 System.out.println(x: "Please enter your name:");
47 String name = input.next();
48 System.out.println(x: "Please enter your address:");
49 String address = input.next();
50 c.setCustomerId(customerId:id);
51 c.setName(name);
52 c.setAddress(address);
53
54 Order o = new Order();
```

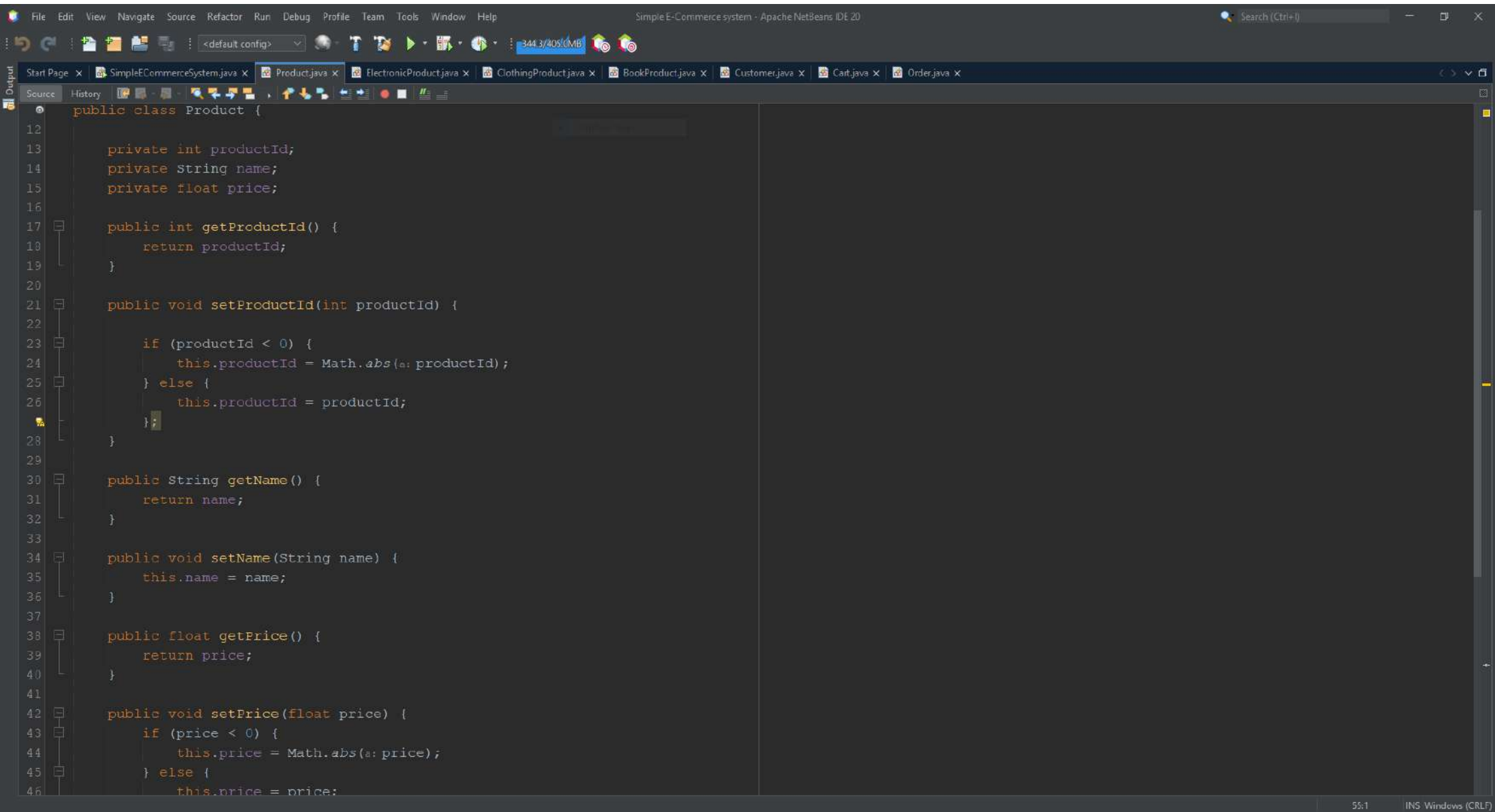
```
Order o = new Order();
o.setCustomerId(customerId:id);
Cart cart = new Cart();
System.out.println(x: "How many products you want to add to cart?");
int nProduct = input.nextInt();
cart.setnProduct(nProduct);
for (int i = 0; i < nProduct; i++) {
    System.out.println(x: "which product you would like to add? 1-smartphone 2-T-shirt 3-OOP");
    int product = input.nextInt();
    switch (product) {
        case 1:
            cart.addProduct(p: p1);
            break;
        case 2:
            cart.addProduct(p: p2);
            break;
        case 3:
            cart.addProduct(p: p3);
            break;
        default:
            System.out.println(x: "Product is not available");
            break;
    }
}

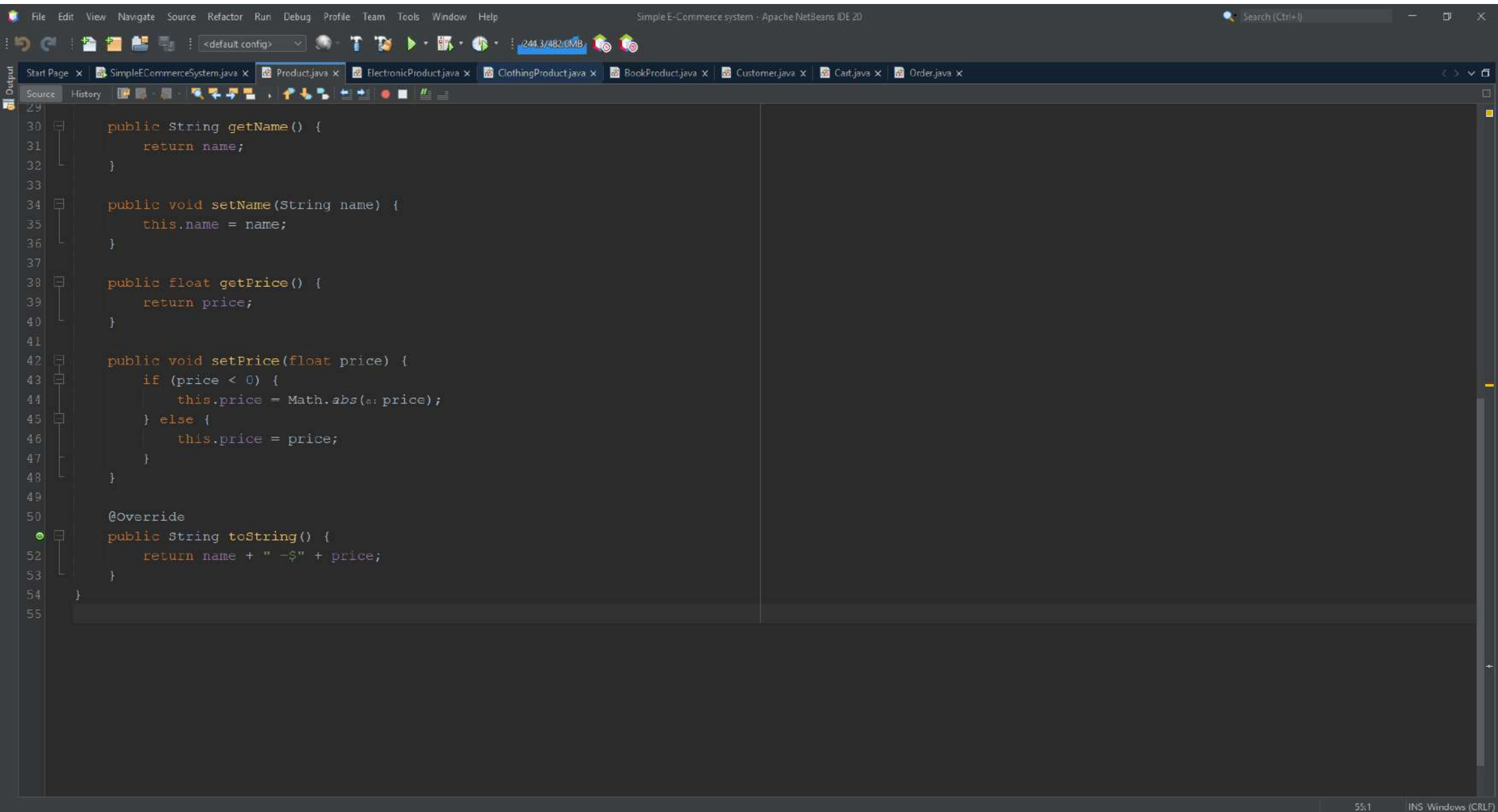
System.out.println(x: "Do you want to remove any product from the cart?1-Yes 2-No");
int removeProduct = input.nextInt();
if (removeProduct == 1) {
    while (true) {
        System.out.println(x: "How many products do you want to remove?");
        int removedProducts = input.nextInt();
        if (removedProducts > nProduct) {
            System.out.println(x: "Not valid number");
        } else {
            for (int i = 0; i < removedProducts; i++) {
```

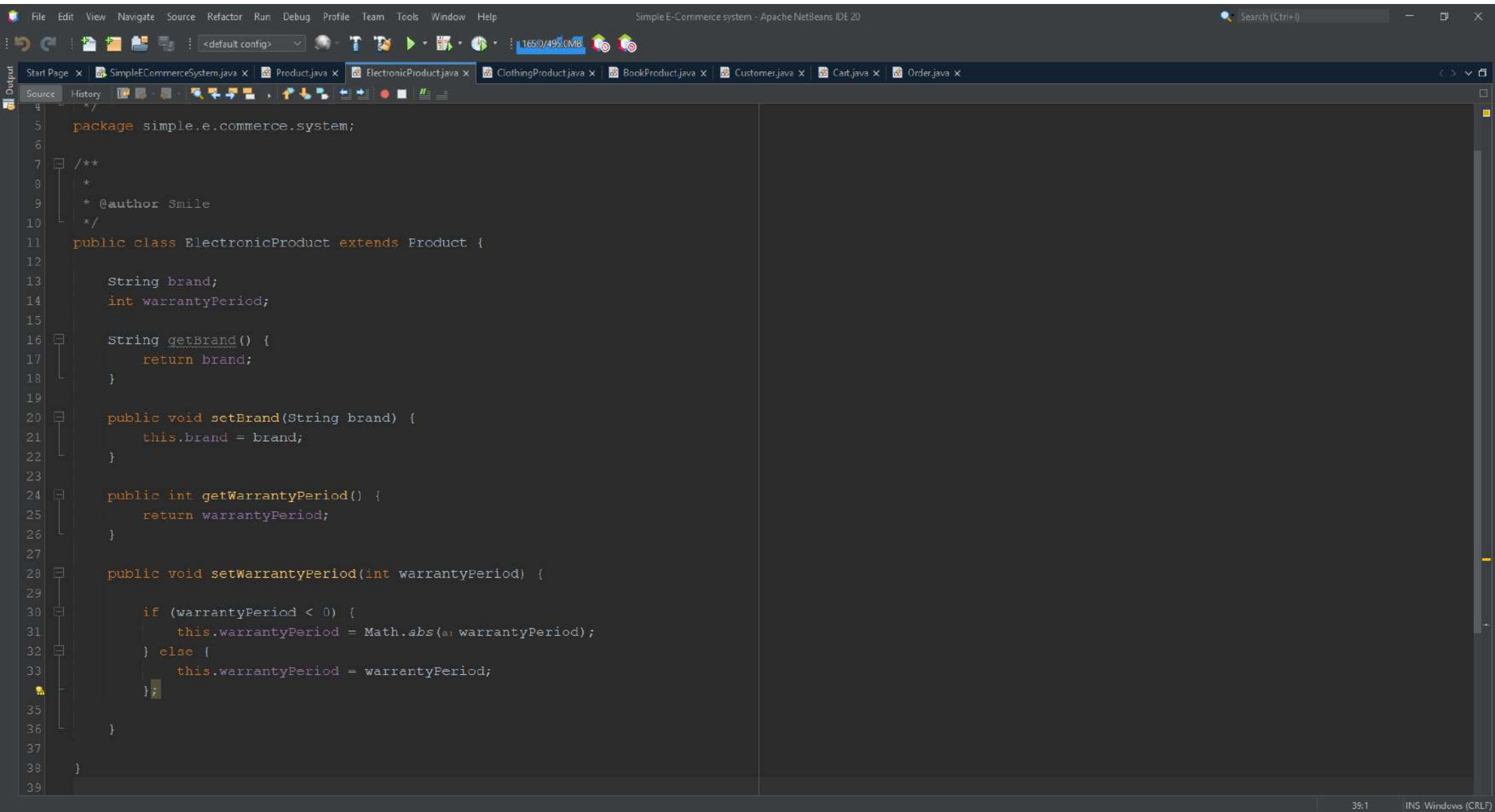
```

88         for (int i = 0; i < removedProducts; i++) {
89             System.out.println(x: "which product you would like to remove? 1-smartphone 2-T-shirt 3-OOP");
90             int product = input.nextInt();
91             switch (product) {
92                 case 1:
93                     cart.removeProduct(p: p1);
94                     break;
95                 case 2:
96                     cart.removeProduct(p: p2);
97                     break;
98                 case 3:
99                     cart.removeProduct(p: p3);
100                     break;
101                 default:
102                     System.out.println(x: "Product is not available");
103                     break;
104             }
105         }
106         break;
107     }
108 }
109
110 }
111
112 }
113 o.setProducts(products: cart.getProducts());
114 o.setTotalPrice(totalPrice: cart.calculatePrice());
115 System.out.println("Your total is $" + cart.calculatePrice() + ". Do you want to place your order? 1-Yes 2-No");
116 int placeOrder = input.nextInt();
117 if (cart.placeOrder(place: placeOrder)) {
118     o.printOrderInfo();
119 }
120 }
121
122 }

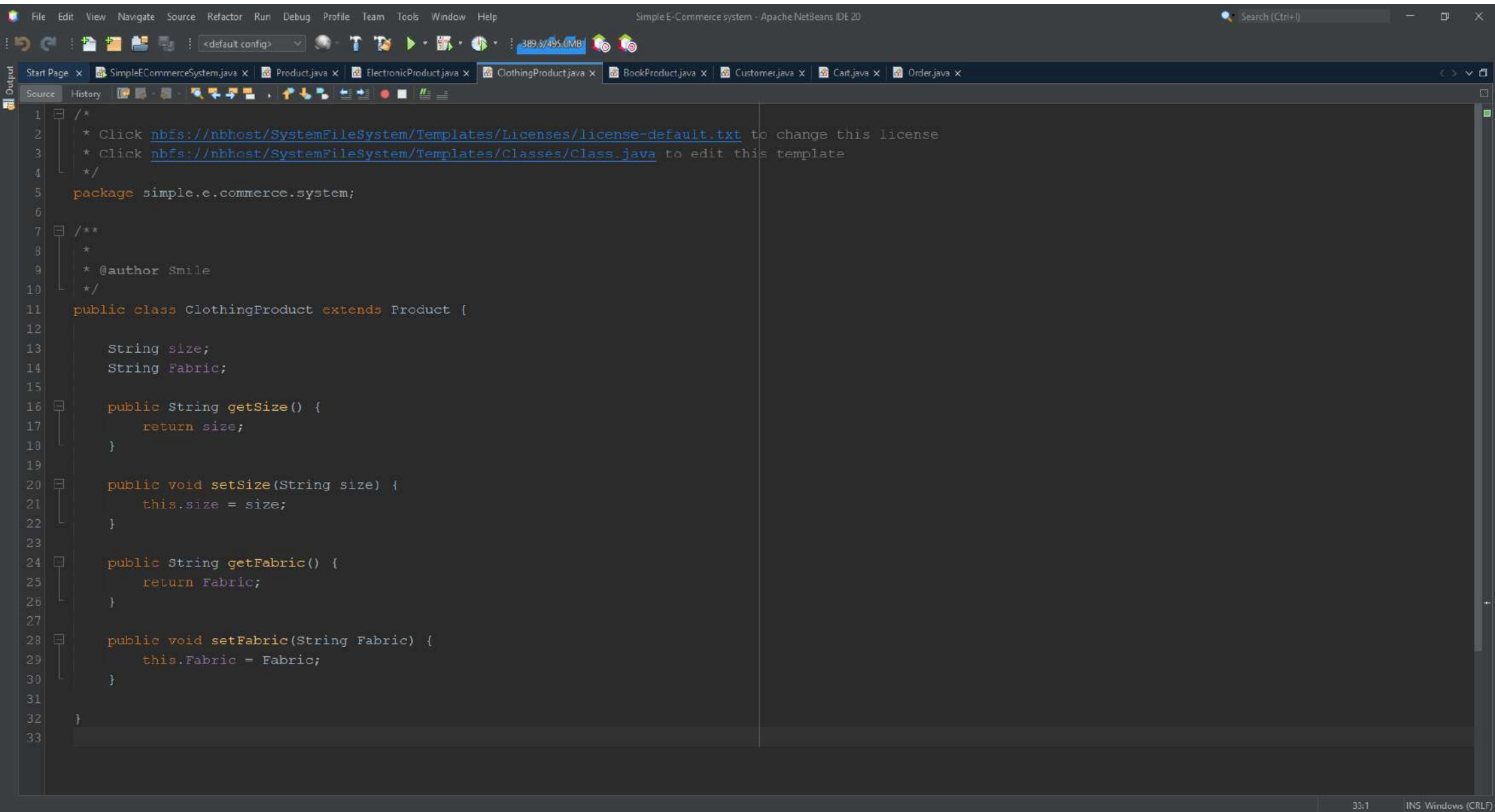
```







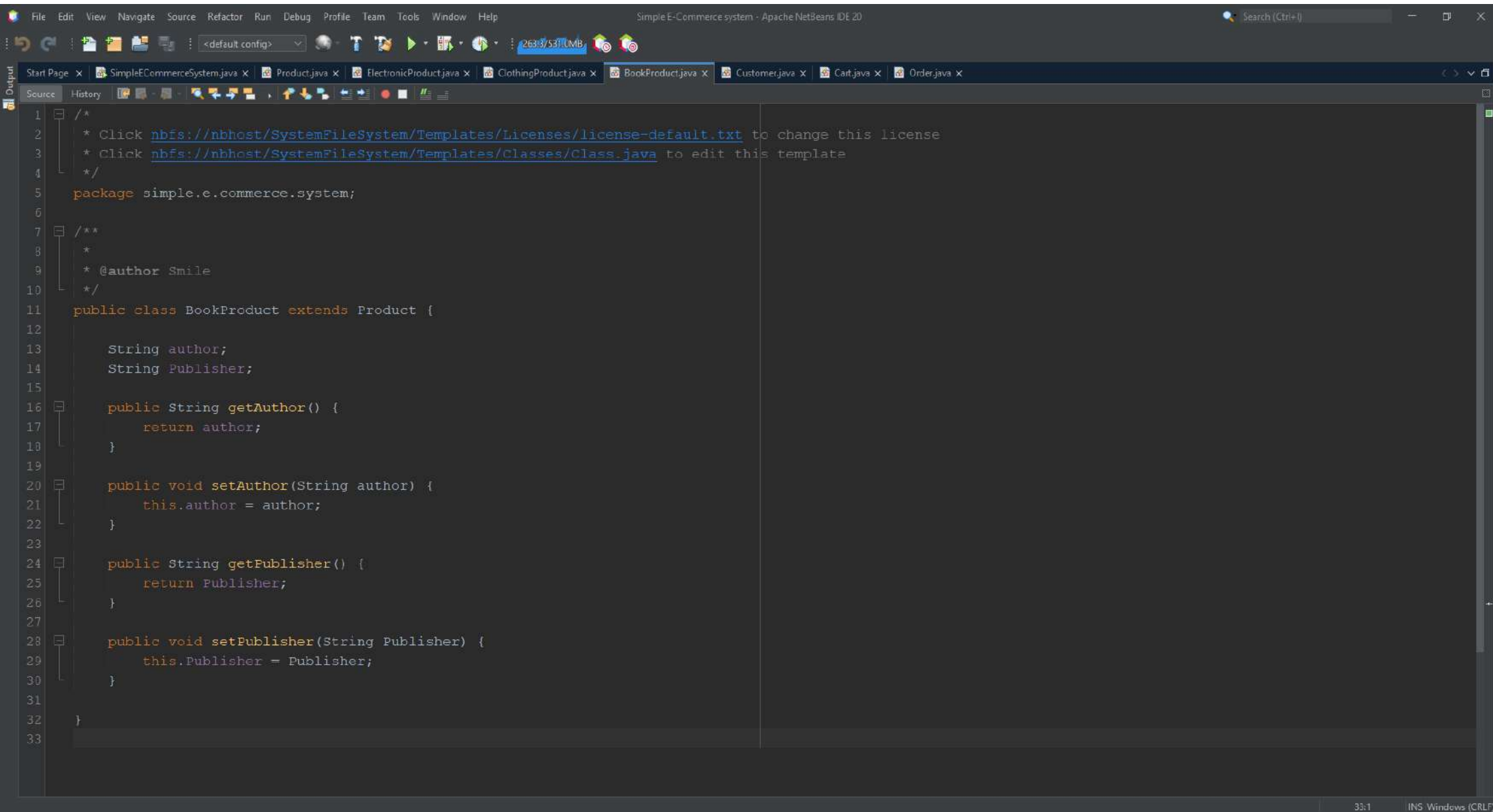




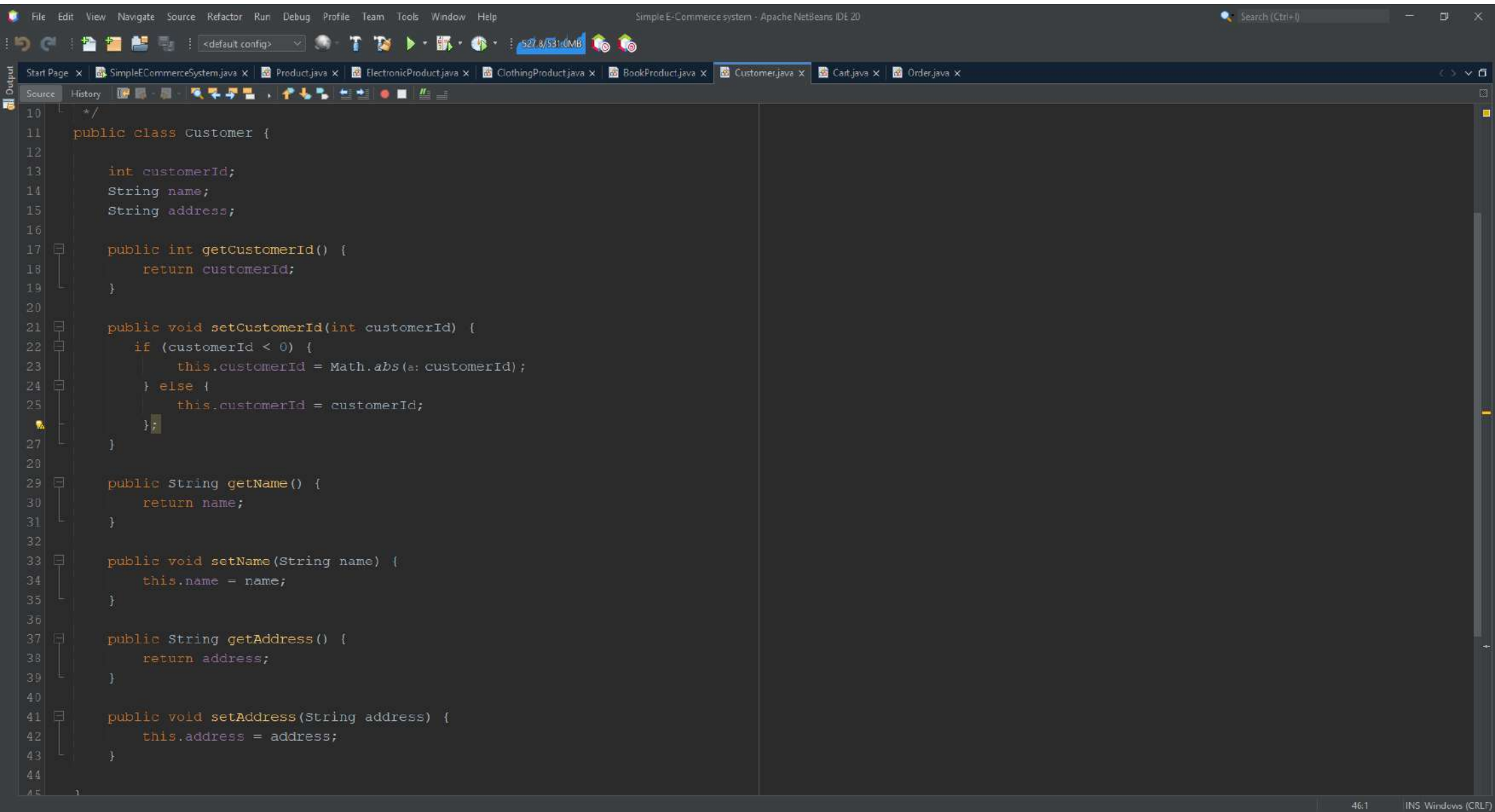
The screenshot shows the Apache NetBeans IDE 20 interface. The title bar indicates the project is "Simple E-Commerce system". The menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. The toolbar shows various icons for file operations and development. The main editor window displays the source code for `ClothingProduct.java`. The code is as follows:

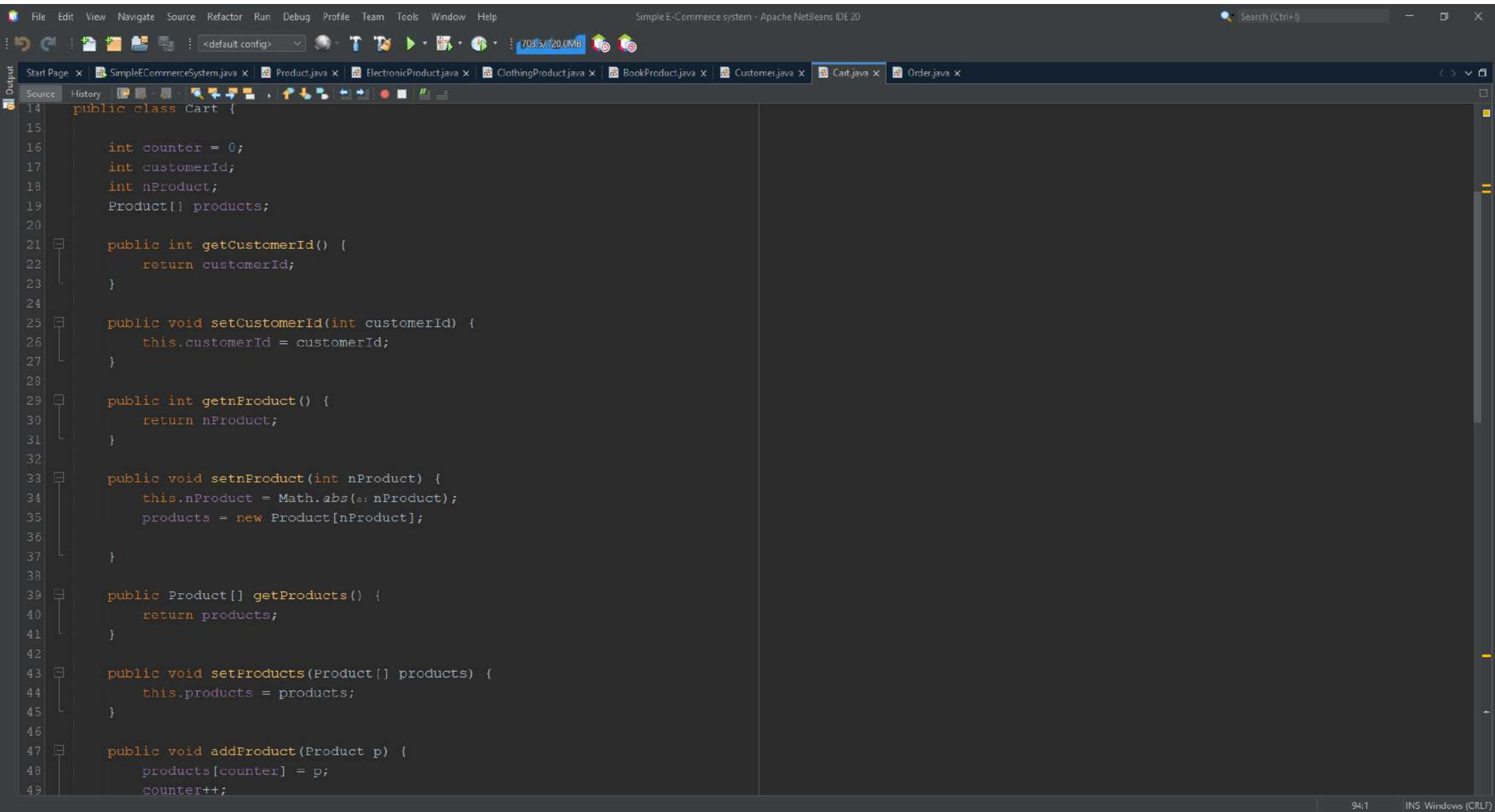
```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4   */
5  package simple.e.commerce.system;
6
7  /**
8   *
9   * @author Smile
10  */
11 public class ClothingProduct extends Product {
12
13     String size;
14     String fabric;
15
16     public String getSize() {
17         return size;
18     }
19
20     public void setSize(String size) {
21         this.size = size;
22     }
23
24     public String getFabric() {
25         return fabric;
26     }
27
28     public void setFabric(String fabric) {
29         this.fabric = fabric;
30     }
31
32 }
33
```

The status bar at the bottom shows the cursor position as 33:1 and the encoding as UTF-8.









File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window HelpSimple E-Commerce system - Apache NetBeans IDE 20Search (Ctrl+I)

Start Page x SimpleECommerceSystem.java x Product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x Order.java x

Source History

```
48     products[counter] = p;
49     counter++;
50
51 }
52
53 public void removeProduct(Product p) {
54     Product[] products2 = new Product[getnProduct() - 1];
55     int indexRemoved = 0;
56     for (int i = 0; i < products.length; i++) {
57         if (products[i].getProductId() == p.getProductId()) {
58             indexRemoved = i;
59             break;
60         }
61     }
62     int p2_iterator = 0;
63     for (int i = 0; i < products.length; i++) {
64         if (i != indexRemoved) {
65             products2[p2_iterator] = products[i];
66             p2_iterator++;
67         }
68     }
69
70     }
71     setnProduct(getnProduct() - 1);
72     setProducts(products: products2);
73
74 }
75
76 public float calculatePrice() {
77     float totalPrice = 0;
78     for (int i = 0; i < nProduct; i++) {
79         totalPrice += products[i].getPrice();
80     }
81     return totalPrice;
82 }
```

94:1INS Windows (CRLF)

