

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help E-commerceSystem1 - Apache NetBeans IDE 19 Search (Ctrl+I)

Start Page x ECommerceSystem1.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

```
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Main.java to edit this template
4   */
5   package e.commercesystem1;
6
7   import java.util.Scanner;
8
9   /**
10    *
11    * @author Youssef
12    */
13   public class ECommerceSystem1 {
14
15       /**
16        * @param args the command line arguments
17        */
18       public static void main(String[] args) {
19           Scanner customer = new Scanner(System.in);
20           System.out.println(x: "Welcome to the E-Commerce System\nPlease enter your Id");
21           int customerId = customer.nextInt();
22           System.out.println(x: "Please enter your name");
23           Scanner input=new Scanner(System.in);
24           String name = input.nextLine();
25           System.out.println(x: "Please enter your address");
26           String address = input.nextLine();
27           Customer C1 = new Customer(customerId, name, address);
28
29           System.out.println(x: "how many products you need?");
30           int cc = customer.nextInt();
31           Cart cart = new Cart(customerId:C1.getCustomerId(), nProducts:cc);
32           for (int i = 0; i < cc; i++) {
33               System.out.println(x: "Which product would you like to add? 1-Smartphone 2-T-Shirt 3-OOP");
34               int x = customer.nextInt();
35               Product product = null;
36               switch (x) {
37                   case 1:
```

Output 58:1 INS Windows (CRLF)

Windows taskbar: Search, 5:58 PM 4/23/2024

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Start Page x ECommerceSystem1.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

```
34 int x = customer.nextInt();
35 Product product = null;
36 switch (x) {
37     case 1:
38         product = new ElectronicProduct(productId:1, name: "Smartphone", price: 599.9f, barnd: "Samsung", warrantyPeriod: 1);
39         break;
40     case 2:
41         product = new ClothingProduct(productId:2, name: "T-Shirt", price: 19.99f, size: "Medium", fabric: "Cotton");
42         break;
43     case 3:
44         product = new BookProduct(productId:3, name: "OOP", price: 39.99f, author: "O'Reilly", publisher: "X Publications");
45         break;
46 }
47
48 cart.addProduct(product, i);
49 }
50
51 double total = cart.calculatePrice();
52 System.out.println("Your total is " + total + ". would you like to place the order? 1-Yes 2-No");
53 Scanner order = new Scanner(System.in);
54 int y = order.nextInt();
55 if (y == 1) {
56     cart.PlaceOrder();
57     Order O1 = new Order(customerId, orderId: 1, products: cart.getProducts(), total);
58     O1.PrintOrderInfo();
59 } else {
60     System.out.println(x: "Order is canceled");
61 }
62
63 }
64
65 }
66 }
```

Output 58:1 INS Windows (

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help E-commerceSystem1 - Apache NetBeans IDE 19 Search (Ctrl+I)

Start Page x ECommerceSystem1.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

```
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 e.commercesystem1;
6
7  /**
8   *
9   * @author Youssef
10  */
11  public class Product {
12
13      int productId;
14      String name;
15      float price;
16
17      public Product(int productId, String name, float price) {
18          this.productId = Math.abs(productId);
19          this.name = name;
20          this.price = Math.abs(price);
21      }
22
23      public void setProductId(int productId) {
24          this.productId = Math.abs(productId);
25      }
26
27      public void setName(String name) {
28          this.name = name;
29      }
30
31      public void setPrice(float price) {
32          this.price = Math.abs(price);
33      }
34
35      public int getProductId() {
36          return productId;
37      }
38  }
```

Output 33:14 INS Windows (CRLF)

Search

5:58 PM 4/23/2024

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help E-commerceSystem1 - Apache NetBeans IDE 19 Search (Ctrl+I)

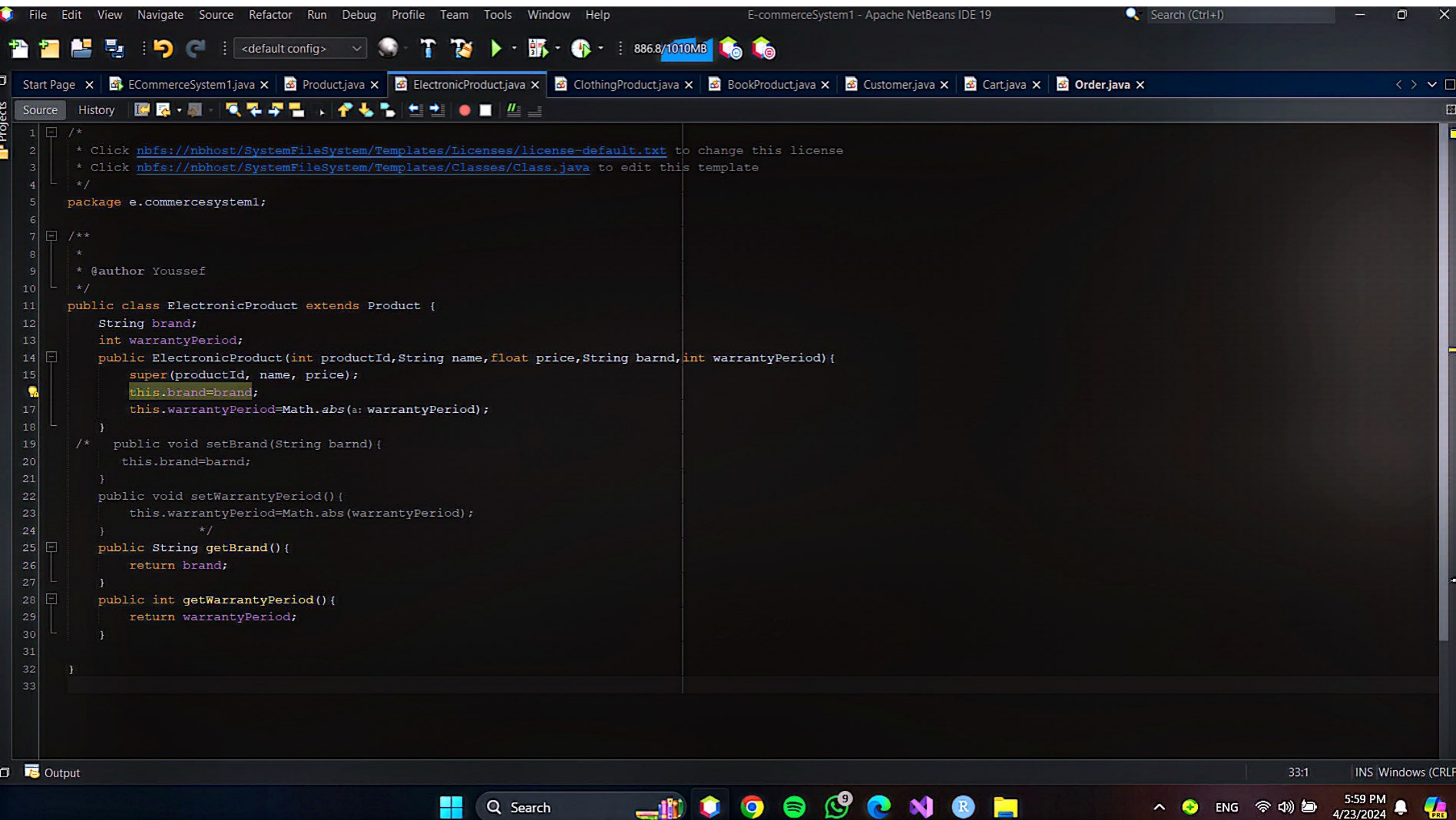
Start Page x ECommerceSystem1.java x Product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x Order.java x

Source History

```
25 }
26
27 public void setName(String name) {
28     this.name = name;
29 }
30
31 public void setPrice(float price) {
32     this.price = Math.abs(a: price);
33 }
34
35 public int getProductId() {
36     return productId;
37 }
38
39 public String getName() {
40     return name;
41 }
42
43 public float getPrice() {
44     return price;
45 }
46
47
48 }
49
```

Output 33:14 INS Windows (CRLF)

Search 5:58 PM 4/23/2024



File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help E-commerceSystem1 - Apache NetBeans IDE 19 Search (Ctrl+I)

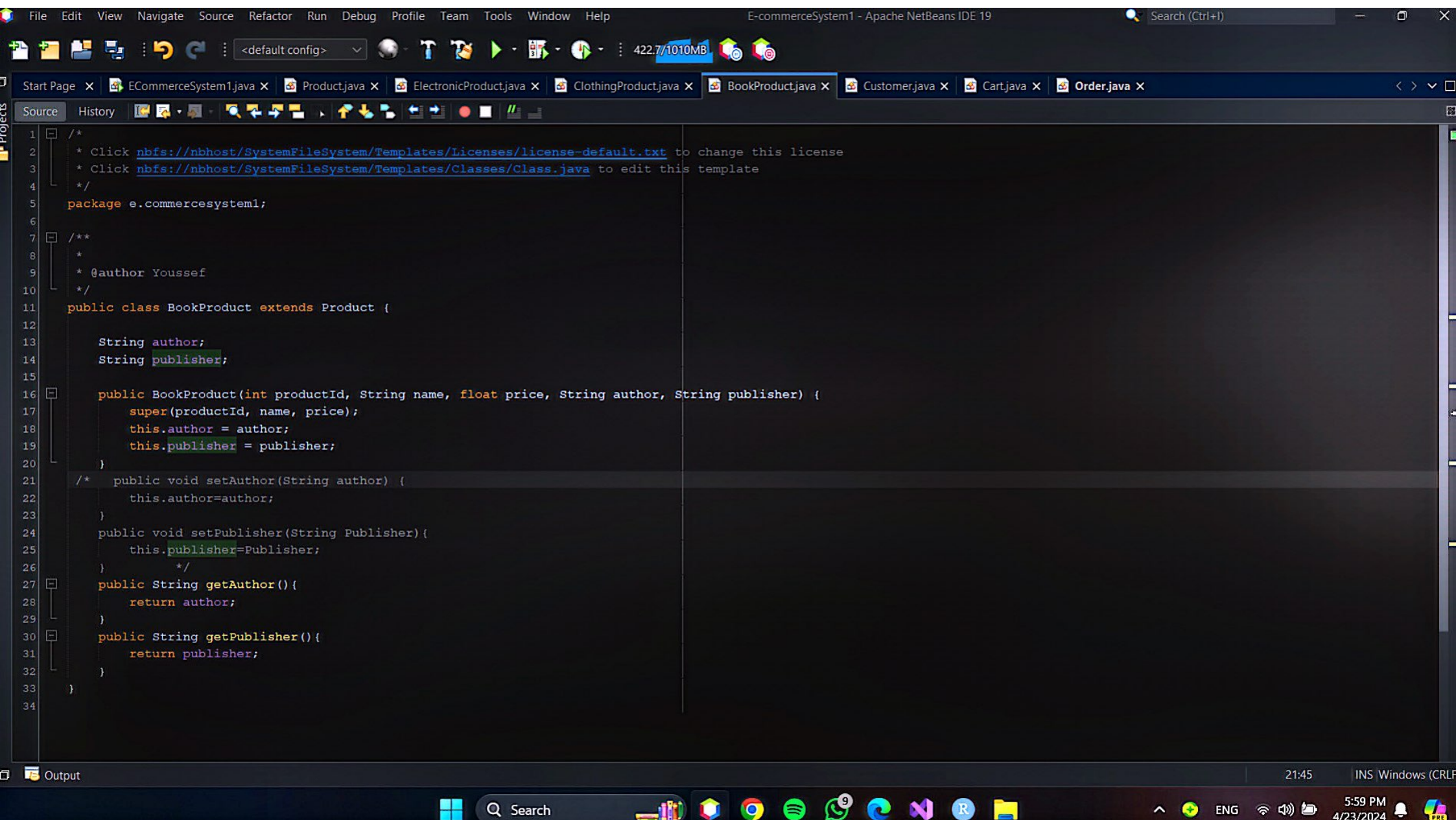
Start Page x ECommerceSystem1.java x Product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x Order.java x

Source History

```
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 e.commercesystem1;
6
7   /**
8    *
9    * @author Youssef
10   */
11  public class ClothingProduct extends Product {
12      String size;
13      String fabric;
14      public ClothingProduct(int productId,String name,float price,String size,String fabric){
15          super(productId,name,price);
16          this.size=size;
17          this.fabric=fabric;
18      }
19      /* public void setSize(String size){
20          this.size=size;
21      }
22      public void setFabric(String fabric){
23          this.fabric=fabric;
24      }
25      */
26      public String getSize(){
27          return size;
28      }
29      public String getFabric(){
30          return fabric;
31      }
32  }
33
34
```

Output 34:1 INS Windows (CRLF)

Windows taskbar: Search, 5:59 PM 4/23/2024



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

Start Page x CollegeSystem.java x

Source History

```
26 }
27
28
29 class Course{
30     String Course_Name;
31     String Lecturer_Name;
32     int Credit_Hours;
33     int Id;
34     public Course(String Course_Name,String Lecurer_Name,int Credit_Hours,int Id){
35         this.Course_Name=Course_Name;
36         this.Lecturer_Name=Lecturer_Name;
37         this.Credit_Hours=Credit_Hours;
38         this.Id=Id;
39     }
40     public void printCourseDetails(){
41         System.out.println("Course_Name "+Course_Name);
42         System.out.println("Lecturer_Name"+Lecturer_Name);
43         System.out.println("Credit_Hours "+Credit_Hours);
44         System.out.println("Id "+Id);
45     }
46 }
47
48
49 }
```

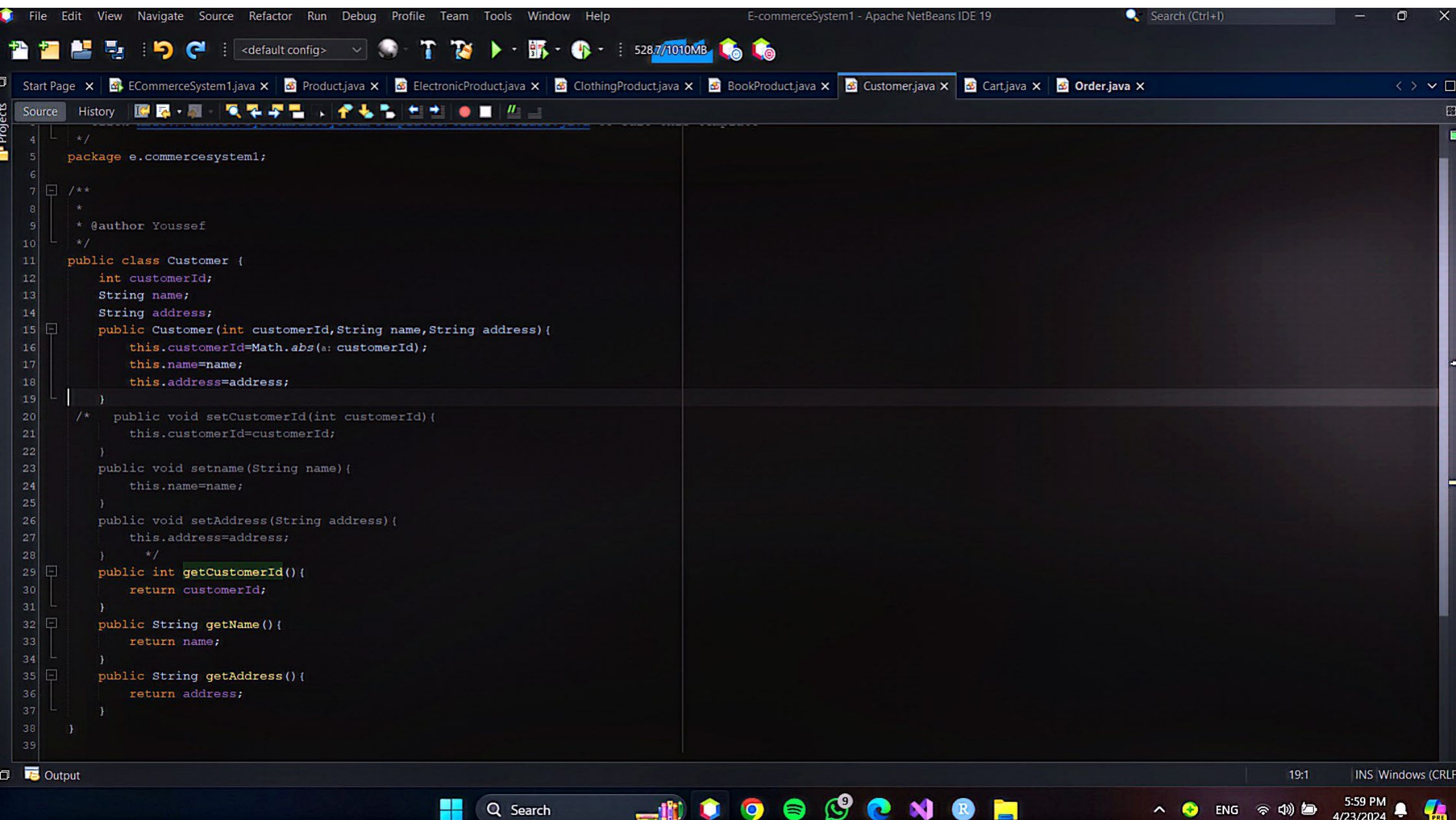
Output - CollegeSystem (run)

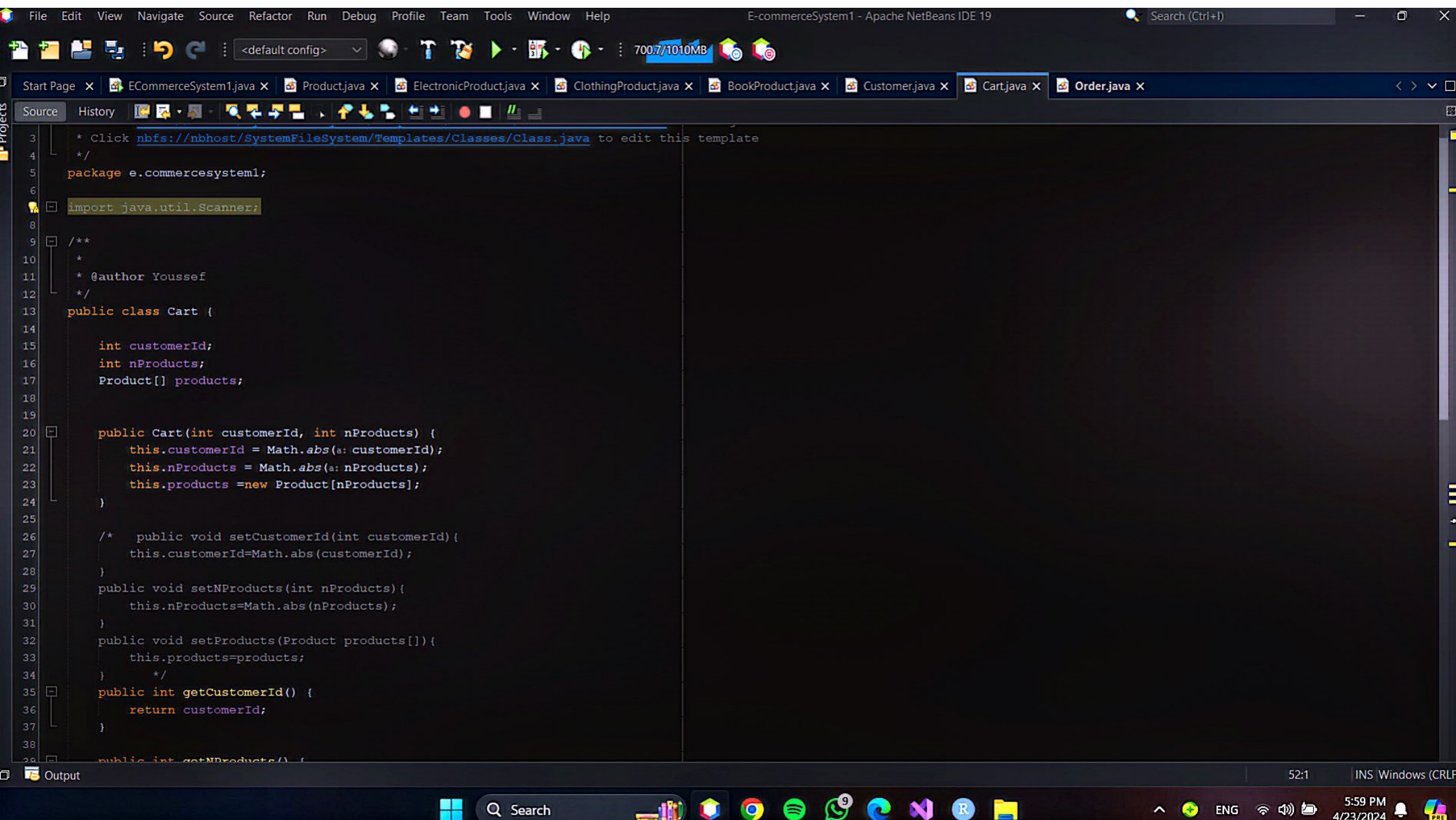
```
run:
enter Details for course 0
Course name:
math
Lecturer name:
Youssef
Credit hours:
3
Id:
23
enter Details for course 2
Course name:
```

CollegeSystem (run) running... 27:4 INS

Search

12:50 AM 3/15/2024





File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help E-commerceSystem1 - Apache NetBeans IDE 19 Search (Ctrl+I)

Start Page x ECommerceSystem1.java x Product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x Order.java x

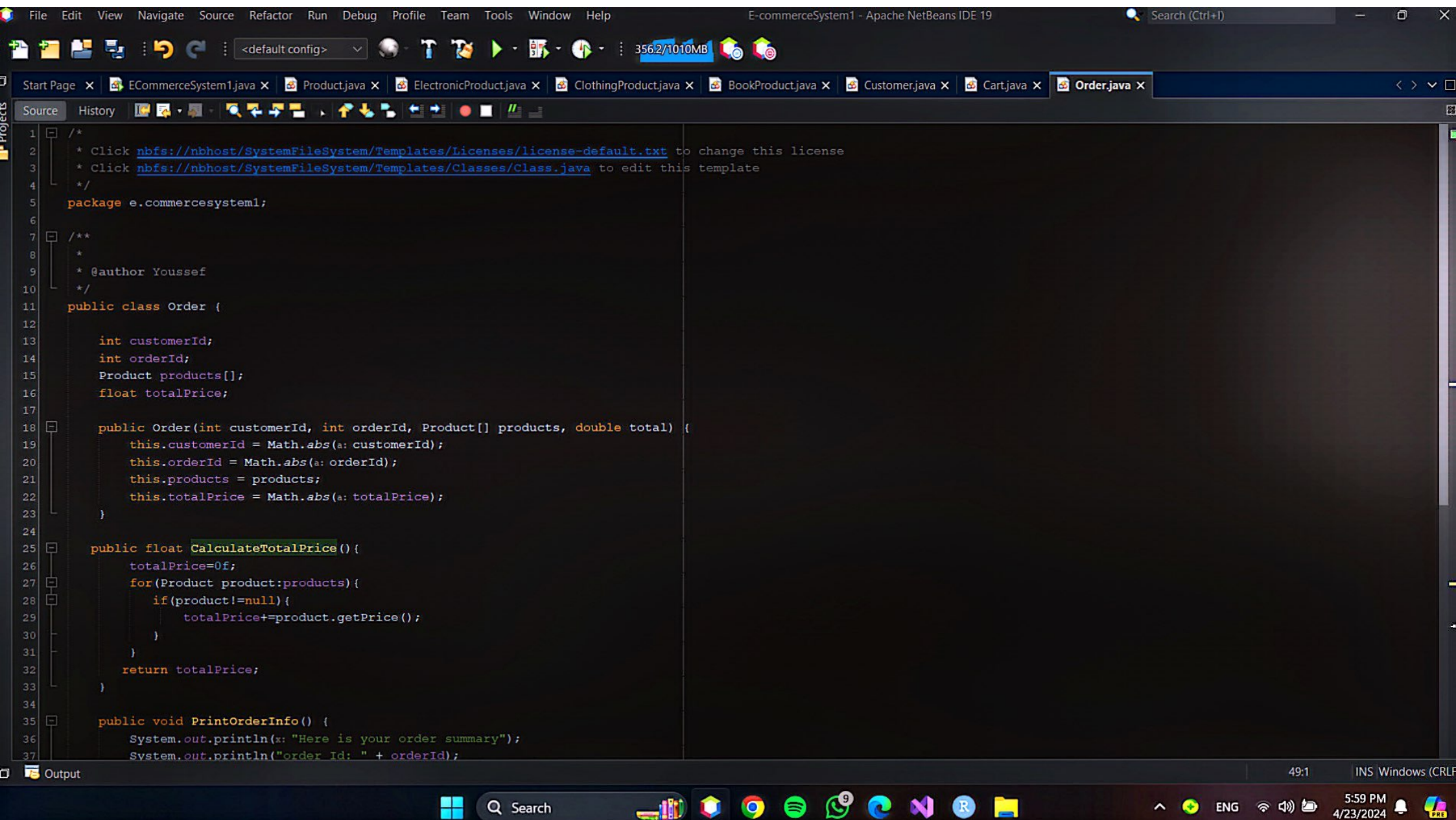
Source History

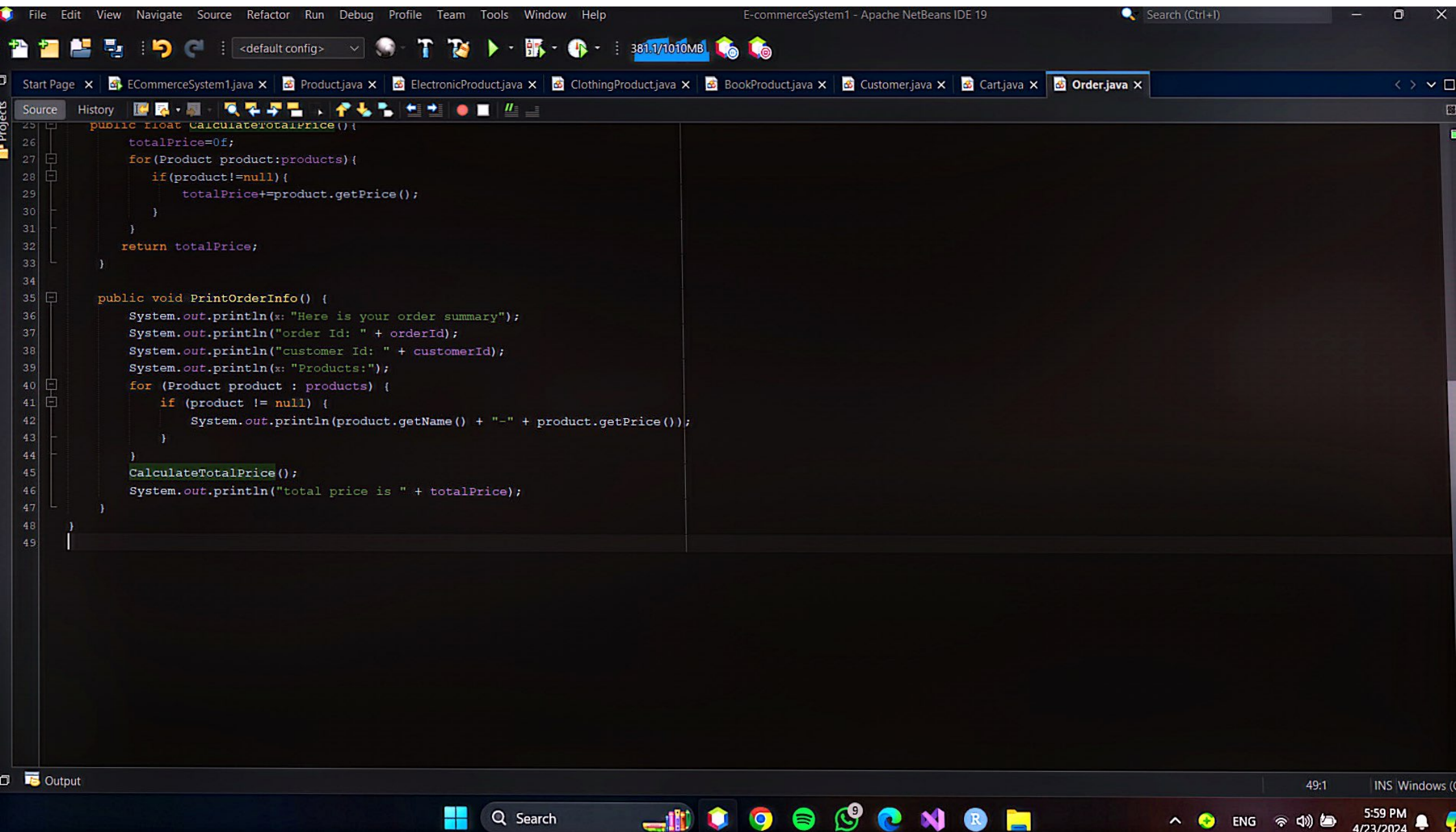
```
38
39 public int getNProducts() {
40     return nProducts;
41 }
42
43 public Product[] getProducts() {
44     return products;
45 }
46
47 public void addProduct(Product product, int i) {
48     if (i >= 0 && i < nProducts) {
49         products[i] = product;
50     }
51 }
52
53 public double calculatePrice() {
54     double totalPrice = 0;
55     for (int j = 0; j < products.length; j++) {
56         totalPrice += products[j].getPrice();
57     }
58     return totalPrice;
59 }
60
61 public void PlaceOrder() {
62     System.out.println("Your order is successfully placed");
63 }
64
65 public void removeProduct(int i) {
66     if(i>=0 && i<nProducts){
67         products[i]=null;
68     }
69 }
70
71 }
```

Output

52:1 INS Windows (CRLF)

5:59 PM 4/23/2024





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Start Page x ECommerceSystem1.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

```
21 this.products = products;
22 this.totalPrice = Math.abs(a: totalPrice);
23 }
24
25 public float CalculateTotalPrice() {
26     totalPrice=0f;
27     for(Product product:products) {
28         if(product!=null) {
29             totalPrice+=product.getPrice();
30         }
31     }
32     return totalPrice;
33 }
34
35 public void PrintOrderInfo() {
36     System.out.println(x: "Here is your order summary");
37     System.out.println("order Id: " + orderId);
38     System.out.println("customer Id: " + customerId);
39     System.out.println(x: "Products:");
40     for (Product product : products) {
41         if (product != null) {
42             System.out.println(product.getName() + "-" + product.getPrice());
43         }
44     }
45 }
```

Output

Debugger Console x E-commerceSystem1 (run) x

```
run:
Welcome to the E-Commerce System
Please enter your Id
23011658
Please enter your name
youssef molhem serry
Please enter your address
alex
how many products you need?
3
```

E-commerceSystem1 (run) 49:1 INS

Search

6:00 PM 4/23/2024

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Start Page x ECommerceSystem1.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

```
21 this.products = products;
22 this.totalPrice = Math.abs(a: totalPrice);
23 }
24
25 public float CalculateTotalPrice() {
26     totalPrice=0f;
27     for(Product product:products) {
28         if(product!=null) {
29             totalPrice+=product.getPrice();
30         }
31     }
32     return totalPrice;
33 }
34
35 public void PrintOrderInfo() {
36     System.out.println(x: "Here is your order summary");
37     System.out.println("order Id: " + orderId);
38     System.out.println("customer Id: " + customerId);
39     System.out.println(x: "Products:");
40     for (Product product : products) {
41         if (product != null) {
42             System.out.println(product.getName() + "-" + product.getPrice());
43         }
44     }
45 }
```

Output

Debugger Console x E-commerceSystem1 (run) x

```
how many products you need?
3
Which product would you like to add? 1-Smartphone 2-T-Shirt 3-OOP
1
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
Your total is 659.8800258636475. would you like to place the order? 1-Yes 2-No
1
```

Output

39:41 INS

Search

6:01 PM 4/23/2024

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Start Page x ECommerceSystem1.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

```
21 this.products = products;
22 this.totalPrice = Math.abs(a: totalPrice);
23 }
24
25 public float CalculateTotalPrice(){
26     totalPrice=0f;
27     for(Product product:products){
28         if(product!=null){
29             totalPrice+=product.getPrice();
30         }
31     }
32     return totalPrice;
33 }
34
35 public void PrintOrderInfo() {
36     System.out.println(x: "Here is your order summary");
37     System.out.println("order Id: " + orderId);
38     System.out.println("customer Id: " + customerId);
39     System.out.println(x: "Products:");
40     for (Product product : products) {
41         if (product != null) {
42             System.out.println(product.getName() + "-" + product.getPrice());
43         }
44     }
45 }
```

Output

Debugger Console x E-commerceSystem1 (run) x

```
Your order is successfully placed
Here is your order summary
order Id: 1
customer Id: 23011658
Products:
Smartphone-599.9
T-Shirt-19.99
OOP-39.99
total price is 659.88
BUILD SUCCESSFUL (total time: 1 minute 6 seconds)
```

Output 39:41 INS

Search 6:01 PM 4/23/2024