

```
project1 Version control Current File
Project Main.java Product.java ElectronicProduct.java ClothingProduct.java BookProduct.java Customer.java Cart.java Order.java
Run Main
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.3.4\lib\idea_rt.jar=63901:C:\Program Files\JetBrains\Int
Please enter your id
23010108
Please enter your name
hazem
Please enter your address
alex
How many products you want to add to your cart?
4
Which products would you like to add? 1-Smartphone 2-T-Shirt 3-00P
1
New product added smartphone
Which products would you like to add? 1-Smartphone 2-T-Shirt 3-00P
2
New product added T-shirt
Which products would you like to add? 1-Smartphone 2-T-Shirt 3-00P
3
New product added 00P
Which products would you like to add? 1-Smartphone 2-T-Shirt 3-00P
3
New product added 00P
Total prise :$696
would you like to please the order? 1-Yas 2-No1
Customer Id:1
smartphone-$599.989990234375
T-shirt-$19.989999771118164
00P-$39.9900016784668
00P-$39.9900016784668
Total prise :$696
project1 > src > Main > main 15:17 LF UTF-8 2 spaces*
```

IDE interface showing a Java project named "project1" with a file explorer on the left and a code editor on the right. The code editor displays the "Main.java" file, which contains the following code:

```
1 import java.util.Scanner;
2 public class Main {
3     public static void main(String[] args) {
4         Product e1 = new ElectronicProduct( productId: 1, name: "smartphone", price: 599.99f, brand: "Sumsung", warrantyPeriod: 1);
5         Product c1 = new ClothingProduct( productId: 2, name: "T-shirt", price: 19.99f, size: "Medium", fabric: "Cotton");
6         Product b1= new BookProduct( productId: 3, name: "00P", price: 39.99f, author: "O'Reilly", publisher: "X Publications");
7         Scanner input= new Scanner(System.in);
8         System.out.println("Please enter your id");
9         int id=input.nextInt();
10        System.out.println("Please enter your name");
11        String name =input.next();
12        System.out.println("Please enter your address");
13        String address =input.next();
14        System.out.println("How many products you want to add to your cart?");
15        int nproducts=input.nextInt();
16        Customer cu1= new Customer(id,name,address);
17        Order o1=new Order();
18        o1.setnProducts(nproducts);
19        for (int i=0;i<nproducts;i++ ){
20            System.out.println("Which products would you like to add? 1-Smartphone 2-T-Shirt 3-00P");
21            int x =input.nextInt();
22            switch (x) {
23                case 1:
24                    o1.addProduct(e1);
25                    break;
26                case 2:
27                    o1.addProduct(c1);
28                    break;
29                case 3:
30                    o1.addProduct(b1);
31                    break;
```

The IDE interface includes a top toolbar with icons for file operations, a left sidebar with a project explorer, and a bottom status bar showing the current file path and encoding. The Windows taskbar at the bottom displays the system clock and various application icons.

IDE interface showing a Java project named "project1" with a file explorer on the left and a code editor on the right. The code editor displays the contents of "Main.java".

Project Structure (Left Panel):

- project1 C:\Users\hazem\...
 - .idea
 - out
 - src
 - BookProduct
 - Cart
 - ClothingProduct
 - Customer
 - ElectronicProduct
 - Main
 - Order
 - Product
 - E-Commerce
 - E-Commerce
 - E-Commerce.form
 - .gitignore
 - project1.iml
 - External Libraries
 - Scratches and Consoles

Code Editor (Main.java):

```
17:   order o1=new order();
18:   o1.setnProducts(nproducts);
19:   for (int i=0;i<nproducts;i++){
20:       System.out.println("Which products would you like to add? 1-Smartphone 2-T-Shirt 3-00P");
21:       int x =input.nextInt();
22:       switch (x) {
23:           case 1:
24:               o1.addProduct(e1);
25:               break;
26:           case 2:
27:               o1.addProduct(c1);
28:               break;
29:           case 3:
30:               o1.addProduct(b1);
31:               break;
32:           default:
33:               System.out.println("wrong number");
34:       }
35:
36:   }
37:
38:   o1.calculatePrice();
39:   System.out.print("would you like to please the order? 1-Yas 2-No");
40:   int y =input.nextInt();
41:   switch (y){
42:       case 1:
43:           o1.setCustomerId(1);
44:           o1.printOrderInfo();
45:       case 2:
46:           System.out.print("thanks for use our E-Commerce ");
47:   }
```

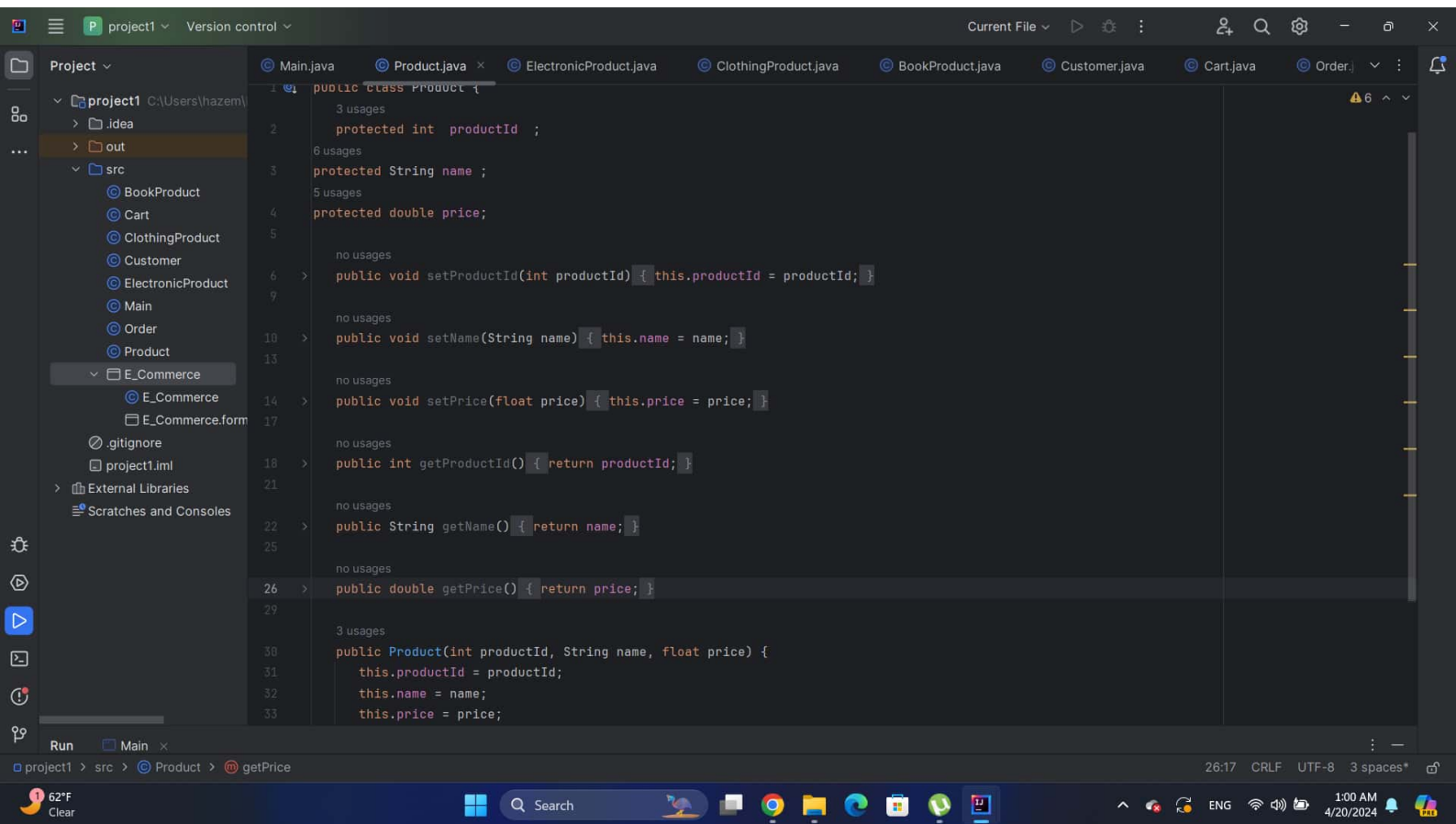
Run Panel (Bottom):

Run Main x

project1 > src > Main > main

35:1 LF UTF-8 2 spaces*

62°F Clear 12:59 AM 4/20/2024



IDE interface showing a Java project named "project1" with a file explorer on the left and a code editor on the right.

File Explorer (Left):

- project1 C:\Users\hazem\
 - .idea
 - out
 - src
 - BookProduct
 - Cart
 - ClothingProduct
 - Customer
 - ElectronicProduct
 - Main
 - Order
 - Product
 - E_Commerce
 - E_Commerce
 - E_Commerce.form
 - .gitignore
 - project1.iml
 - External Libraries
 - Scratches and Consoles

Code Editor (Right):

Current File: `ElectronicProduct.java`

```
1 1 usage
2 public class ElectronicProduct extends Product {
3     3 usages
4     protected String brand ;
5     3 usages
6     protected int warrantyPeriod;
7
8     no usages
9     public String getBrand() { return brand; }
10
11     no usages
12     public int getWarrantyPeriod() { return warrantyPeriod; }
13
14     no usages
15     public void setBrand(String brand) { this.brand = brand; }
16
17     no usages
18     public void setWarrantyPeriod(int warrantyPeriod) { this.warrantyPeriod = warrantyPeriod; }
19
20     1 usage
21     public ElectronicProduct(int productId, String name, float price, String brand, int warrantyPeriod) {
22         super(productId, name, price);
23         this.brand = brand;
24         this.warrantyPeriod = warrantyPeriod;
25     }
26 }
27
```

Run Bar (Bottom):

Run Main x

project1 > src > ElectronicProduct > ElectronicProduct

System Tray (Bottom Right):

21:06 CRLF UTF-8 4 spaces 62°F Clear 1:01 AM 4/20/2024

IDE interface showing a Java project named "project1" with a file explorer on the left and a code editor in the center.

File Explorer (Left):

- project1 C:\Users\hazem\
 - .idea
 - out
 - src
 - BookProduct
 - Cart
 - ClothingProduct
 - Customer
 - ElectronicProduct
 - Main
 - Order
 - Product
 - E_Commerce
 - E_Commerce
 - E_Commerce.form
 - .gitignore
 - project1.iml
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Code Editor (Center):

Current File: ClothingProduct.java

```
1 1 usage
2 public class ClothingProduct extends Product {
3     3 usages
4     protected String size;
5     3 usages
6     protected String fabric;
7
8     no usages
9     public String getSize() { return size; }
10
11     no usages
12     public String getFabric() { return fabric; }
13
14     no usages
15     public void setSize(String size) { this.size = size; }
16
17     no usages
18     public void setFabric(String fabric) { this.fabric = fabric; }
19
20 1 usage
21 public ClothingProduct(int productId, String name, float price, String size, String fabric) {
22     super(productId, name, price);
23     this.size = size;
24     this.fabric = fabric;
25 }
26
27 }
```

Run Console (Bottom):

Run Main x

project1 > src > ClothingProduct > ClothingProduct

System Tray (Bottom Right):

21:98 CRLF UTF-8 4 spaces 62°F Clear 1:01 AM 4/20/2024

Project

project1 C:\Users\hazem\

.idea

out

src

BookProduct

Cart

ClothingProduct

Customer

ElectronicProduct

Main

Order

Product

E-Commerce

E-Commerce

E-Commerce.form

.gitignore

project1.iml

External Libraries

Scratches and Consoles

1 usage

1 public class BookProduct extends Product {

2 3 usages

3 protected String author;

4 3 usages

5 protected String publisher;

6

7 no usages

8 public String getAuthor() { return author; }

9 no usages

10 public String getPublisher() { return publisher; }

11

12 no usages

13 public void setAuthor(String author) { this.author = author; }

14

15 no usages

16 public void setPublisher(String publisher) { this.publisher = publisher; }

17

18 1 usage

19 public BookProduct(int productId, String name, float price, String author, String publisher) {

20 super(productId, name, price);

21 this.author = author;

22 this.publisher = publisher;

23 }

24

25

26

27

Run

Main

project1 > src > BookProduct > BookProduct

21:99

CRLF

UTF-8

4 spaces

62°F

Clear

Search

ENG

1:01 AM

4/20/2024

