



416.5/578.0MB



re.java X JavaApplication59.java X product.java X Cart.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Order.java X



```
/*
public static void main(String[] args) {
    // TODO code application logic here
    Scanner scanner= new Scanner(source: System.in);

    ElectronicProduct smartphone= new ElectronicProduct(brand: "samsung",warrantyperiod:1,productid: 1,name: "smart phone ", price: 599.9f );
    ClothingProduct tshirt= new ClothingProduct(size:"medium",fabric: "cotton",productid: 2,name: "t shirt", price: 19.99f );
    BookProduct oop=new BookProduct(auther: "O Reilly",publisher: "x publication",productid: 3,name: "oop",price: 39.99f );

    System.out.println(x: "welcome to the E-commerce system");
    System.out.println(x: "enter customer id");
    int customrtid= scanner.nextInt();
    scanner.nextLine();
    System.out.println(x: "enter customer name");
    String customrname= scanner.next();
    System.out.println(x: "enter customer address");
    String customrtaddress= scanner.next();

    Customer customer= new Customer(customerId: customrtid, name:customrname, address:Customrtaddress);
    System.out.println(x: "enter nom of products to order");
    int nomproducts= scanner.nextInt();
    scanner.nextLine();

    Cart cart=new Cart(customerId: customrtid,nProducts: nomproducts);

    for(int i=0; i< nomproducts;i++){
        System.out.println(x: " choose product to add");
        System.out.println(x: "1:smart phone");
        ...
    }
}
```

application59JavaApplication59 &gt; main &gt; if (choise2 == 1) &gt;

EcommerceSystem (run) X EcommerceSystem (run) #2 X EcommerceSystem (run) #3 X

EcommerceSystem (run) #3

running...

X (2 more...)

71:42

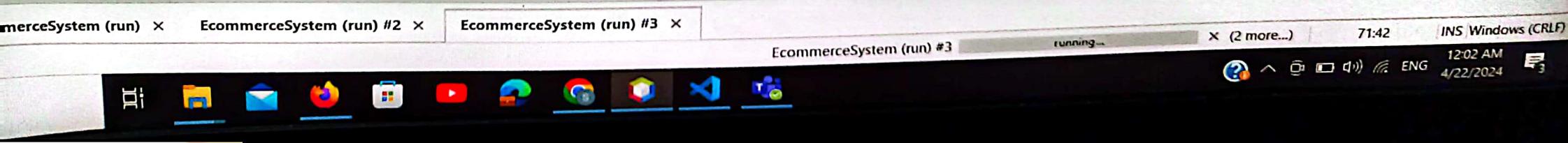
INS Windows (CRL)

12:01 AM

```
for(int i=0; i< nomproducts;i++){
    System.out.println(" choose product to add");
    System.out.println("1:smart phone");
    System.out.println("2:t shirt");
    System.out.println("3: oop book");
    System.out.println("enter choise");
    int choise= scanner.nextInt();
    scanner.nextLine();
    product product= new product();
    switch(choise){
        case 1:
            product= smartphone;
            break;
        case 2:
            product= tshirt;
            break;
        case 3:
            product= oop;
            break;
        default:
            System.out.println("invalid choise");
    }
    cart.addProduct(product);
}

System.out.println("whould you like to place the order ? 1-yes/2-no");
```

lication59JavaApplication59 > main > if (choise2 == 1) >



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

<default config> 343.5/578.0MB 343.5/578.0MB

square.java X JavaApplication59.java X product.java X Cart.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Order.java

History

case 3:
    product= oop;
    break;
    default:
        System.out.println(x: "invalid choise");
    i--;
    continue;
}
cart.addProduct(product);

System.out.println(x: "whould you like to place the order ? 1-yes/2-no");
int choise2 = scanner.nextInt();
if (choise2== 1) {
    Order order = new Order(customerId: customer.getCustomerId(), orderId:1 );
    cart.placeorder(o: order, c: cart);
    order.printOrderInfo();
}
else {
    System.out.println(x: "done");
}

}

javaapplication59JavaApplication59 > main > if (choise2 == 1) >

Output X
EcommerceSystem (run) X EcommerceSystem (run) #2 X EcommerceSystem (run) #3 X
EcommerceSystem (run) #3 running... (2 more...) 71:42 INS W
12:02 ENG 4/22/22
```

javaw Config > T T G > 433.4/578.0MB Q Q

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 javaapplication59;
6
7  /**
8   *
9   * @author Experts
10  */
11 public class product {
12     int productid;
13     String name;
14     float price;
15
16     public product() {
17     }
18
19     public product(int productid, String name, float price) {
20         this.productid = productid;
21         this.name = name;
22         this.price = price;
23     }
24
25     public int getProductid() {
26         return productid;
27     }
28
29     public void setProductid(int productid) {
30
31     }
32 }
```

javaapplication59.product > printstring >

Output X

>> EcommerceSystem (run) X EcommerceSystem (run) #2 X EcommerceSystem (run) #3 X

EcommerceSystem (run) #3 running... X (2 more...) 5624

search



CS CamScanner

The screenshot shows a Java Integrated Development Environment (IDE) interface. The top menu bar includes 'File', 'Edit', 'Source', 'History', 'View', 'Tools', 'Help', and system status indicators like battery level (3117/5780MB) and signal strength.

The left sidebar displays the 'Services' and 'Files' tabs, and the 'EcommerceSystem' project structure under 'Source Packages'. The 'javaapplication59' package is selected, containing files: BookProduct.java, Cart.java, ClothingProdu..., Customer.java, ElectronicProd..., JavaApplicati..., Order.java, and product.java.

The central workspace shows the code editor for the 'product.java' file. The code defines a class 'product' with methods for setting and getting product ID, name, and price, and a toString() method.

```
public void setProductid(int productid) {
    if(productid>0)
        this.productid = productid;
    else
        this.productid=Math.abs(a: productid);
}

public String getName() {
    return name;
}

public void setName(String name) {
    this.name = name;
}

public float getPrice() {
    return price;
}

public void setPrice(float price) {
    if(price>0)
        this.price = price;
    else
        this.price=Math.abs(a: price);
}

public String toString(){
    return "name="+ name+ ",price"+ price;
}
```

The bottom navigation bar shows three tabs: 'EcommerceSystem (run)', 'EcommerceSystem (run) //2', and 'EcommerceSystem (run) #3'.

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** <default config> > 471.7 / 578.0 MB
- Toolbar:** Includes icons for file operations (New, Open, Save, Print, Find, Replace, Cut, Copy, Paste, Undo, Redo), a search bar, and other project-related tools.
- Tab Bar:** Displays multiple open files: square.java, JavaApplication59.java, product.java, Cart.java, ElectronicProduct.java (highlighted in blue), ClothingProduct.java, BookProduct.java, Customer.java, and Order.java.
- Code Editor:** Shows the Java code for `ElectronicProduct.java`. The class definition is as follows:

```
/*
 * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
 */
package javaapplication59;

/**
 *
 * @author Experts
 */
public class ElectronicProduct extends product {
    String brand;
    int warrantyperiod;

    public ElectronicProduct() {
    }

    public ElectronicProduct(String brand, int warrantyperiod, int productid, String name, float price) {
        super(productid, name, price);
        this.brand = brand;
        this.warrantyperiod = warrantyperiod;
    }

    public String getBrand() {
        return brand;
    }

    public void setBrand(String brand) {
        this.brand = brand;
    }
}
```

The code editor highlights the class name `ElectronicProduct` in blue. Line numbers are visible on the left side of the editor.

### Output X

EcommerceSystem (run) X EcommerceSystem (run) #2

EcommerceSystem (run) #3

## EcommerceSystem (run) #:

**running.**

**x (2 more...)**

11:31/1:17

INS Windows (CRLF)



The screenshot shows the Apache NetBeans IDE interface with the following details:

- Toolbar:** Includes icons for file operations (New, Open, Save, Print), search, and various project management tools.
- Project Bar:** Shows open files: square.java, JavaApplication59.java, product.java, Cart.java, ElectronicProduct.java (current tab), ClothingProduct.java, BookProduct.java, Customer.java, and Order.java.
- Source Tab:** Active tab showing the code for `ElectronicProduct.java`. The code defines a class with methods for getting and setting brand and warranty period, with validation for warranty period.
- Code Content:**

```
21     this.warrantyperiod = 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
34         return warrantyperiod;
35     }
36
37     public void setWarrantyperiod(int warrantyperiod) {
38         if(warrantyperiod>0)
39             this.warrantyperiod = warrantyperiod;
40         else
41             this.warrantyperiod =Math.abs( a:warrantyperiod);
42     }
43
44
45
46
47
48 }
49 }
```
- Output Bar:** Shows the output for the current run configuration: `EcommerceSystem (run) #3`.
- Bottom Status Bar:** Displays the status "running..." and the date/time "11:31/1:17".

The screenshot shows the Apache NetBeans IDE interface with the title bar "EcommerceSystem - Apache NetBeans IDE 19". The menu bar includes File, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. The toolbar has icons for file operations like New, Open, Save, and Build. The status bar at the bottom shows memory usage "283.1/578.0MB" and two circular progress indicators.

The main 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 javaapplication59;
6
7  /**
8   *
9   * @author Experts
10  */
11 public class ClothingProduct extends product {
12     String size, fabric;
13
14     public ClothingProduct() {
15     }
16
17
18
19     public ClothingProduct(String size, String fabric, int productid, String name, float price) {
20         super(productid, name, price);
21         this.size = size;
22         this.fabric = fabric;
23     }
24
25     public String getSize() {
26         return size;
27     }
28
29     public void setSize(String size) {
30 }
```

The code defines a class "ClothingProduct" that extends the "product" class. It has fields for size and fabric, and constructors for both empty and fully specified products. It also has methods for getting and setting the size.

```
16
17
18
19     public ClothingProduct(String size, String fabric, int productid, String name, float price) {
20         super(productid, name, price);
21         this.size = size;
22         this.fabric = fabric;
23     }
24
25     public String getSize() {
26         return size;
27     }
28
29     public void setSize(String size) {
30         this.size = size;
31     }
32
33     public String getFabric() {
34         return fabric;
35     }
36
37     public void setFabric(String fabric) {
38         this.fabric = fabric;
39     }
40
41
42
43
44 }
```

javaapplication59.ClothingProduct >

The screenshot shows the NetBeans IDE interface with the following details:

- Title Bar:** <default config> 484-1/578 OMB
- Toolbar:** Standard NetBeans toolbar with icons for file operations, search, and project management.
- Project Explorer:** Shows files like square.java, JavaApplication59.java, product.java, Cart.java, ElectronicProduct.java, ClothingProduct.java, BookProduct.java, Customer.java, and Order.java.
- Source Editor:** The main editor window displays the Java code for the BookProduct class. The code includes annotations for author and publisher, and methods for getting and setting the author's name.
- Output Window:** Shows three runs labeled EcommerceSystem (run) #1, EcommerceSystem (run) #2, and EcommerceSystem (run) #3.

```
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 javaapplication59;
6
7  /**
8   *
9   * @author Experts
10  */
11 public class BookProduct extends product {
12     String auther, publisher;
13
14     public BookProduct() {
15
16
17
18     public BookProduct(String auther, String publisher, int productid, String name, float price) {
19         super(productid, name, price);
20         this.auther = auther;
21         this.publisher = publisher;
22     }
23
24     public String getAuther() {
25         return auther;
26     }
27
28     public void setAuther(String auther) {
29         this.auther = auther;
30     }
31 }
```

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

square.java X JavaApplication59.java X product.java X Cart.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Order.java X

Source History

```
18     public BookProduct(String auther, String publisher, int productid, String name, float price) {
19         super(productid, name, price);
20         this.auther = auther;
21         this.publisher = publisher;
22     }
23
24     public String getAuther() {
25         return auther;
26     }
27
28     public void setAuther(String auther) {
29         this.auther = auther;
30     }
31
32     public String getPublisher() {
33         return publisher;
34     }
35
36     public void setPublisher(String publisher) {
37         this.publisher = publisher;
38     }
39
40     public BookProduct(String auther, String publisher) {
41         this.auther = auther;
42         this.publisher = publisher;
43     }
44
45
46 }
```

Output X EcommerceSystem (run) X EcommerceSystem (run) #2 X EcommerceSystem (run) #3 X

```
5 package javaapplication59;
6
7 /**
8 *
9 * @author Experts
10 */
11 public class Customer {
12     int customerId;
13     String name, address;
14
15     public Customer() {
16     }
17
18     public Customer(int customerId, String name, String address) {
19         this.customerId = customerId;
20         this.name = name;
21         this.address = address;
22     }
23
24     public int getCustomerId() {
25         return customerId;
26     }
27
28     public void setCustomerId(int customerId){
29         if(customerId>0)
30             this.customerId= this.customerId;
31         else
32             this.customerId =Math.abs( a:this.customerId);
33     }
34 }
```

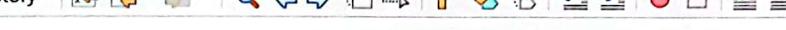
```
25     }
26 }
27
28 public void setCustomerId(int customerId){
29     if(customerId>0)
30         this.customerId= this.customerId;
31     else
32         this.customerId =Math.abs( a:this.customerId);
33 }
34
35 public String getName() {
36     return name;
37 }
38
39 public void setName(String name) {
40     this.name = name;
41 }
42
43 public String getAddress() {
44     return address;
45 }
46
47 public void setAddress(String address) {
48     this.address = address;
49 }
50
51 }
52 }
```



...va square.java X JavaApplication59.java X product.java X Cart.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.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 javaapplication59;
6
7  /**
8   *
9   * @author Experts
10  */
11 public class Cart {
12     int customerId;
13     int nProducts;
14     product [] products;
15
16     public Cart() {
17     }
18
19
20     public Cart(int customerId, int nProducts) {
21         this.customerId = customerId;
22         this.nProducts = nProducts;
23         products=new product[nProducts];
24     }
25
26     public int getCustomerId() {
27         return customerId;
28     }
29 }
```

javaapplication59.Cart &gt; placeorder &gt;

Output X

EcommerceSystem (run) X EcommerceSystem (run) #2 X EcommerceSystem (run) #3 X

EcommerceSystem (run) #3 running... X (2 more...) 90:10 INS Windows (CR)

here to search



```
25
26     public int getCustomerId() {
27         return customerId;
28     }
29
30     public void setCustomerId(int customerId) {
31         if(customerId>0)
32             this.customerId= this.customerId ;
33         else
34             this.customerId =Math.abs( a: this.customerId)
35     }
36
37     public int getnProducts() {
38         return nProducts;
39     }
40
41     public void setnProducts(int nProducts) {
42         if( nProducts>0)
43             this. nProducts= this. nProducts;
44         else
45             this. nProducts =Math.abs( a: this. nProducts);
46     }
47
48     public product[] getProducts() {
49         return products;
50     }
51
52     public void setProducts(product[] products) {
53         this.products = products;
```

EcommerceSystem (run) #3 running... X (2 more...)

90:10

INS Windows (CRL)

```
50
51
52     public void setProducts(product[] products) {
53         this.products = products;
54     }
55
56
57     public void addProduct ( product product){
58         for(int i=0; i<nProducts;i++ ){
59             if (products[i]== null){
60                 products[i]=product;
61                 break ;
62             }
63             else if(i==nProducts-1){
64                 System.out.println(x: "can not more");
65             }
66         }
67     }
68
69     public void removeProduct ( product product){
70         for(int i=0; i<nProducts;i++ ){
71             if (products[i]== product){
72                 products[i]= null;
73                 System.out.println(x: " done ,removed");
74             }
75         }
76         System.out.println(x: "is not in the cart");
77     }
78     public float calculatePrice(){
```

javaapplication59.Cart > placeorder >



&lt;default config&gt;



3682/5780MB



## Files

srcSystem  
e Packages  
vaapplication59  
BookProduct.java  
Cart.java  
ClothingProdu  
Customer.java  
ElectronicProd  
JavaApplicatio  
Order.java  
product.java  
t Packages  
raries  
st Libraries  
pplication1  
pplication10  
pplication11  
pplication12

art()  
art(int customerId, i  
ddProduct(product p  
alculatePrice() : flo  
etCustomerId() : int  
etProducts() : produ  
etnProducts() : int  
laceorder(Order o, C  
removeProduct(prod  
etCustomerId(int cus  
etProducts(product p  
etnProducts(int nPr  
customerId : int  
nProducts : int



...va square.java X JavaApplication59.java X product.java X Cart.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java

## Source History

```
76         System.out.println(x+ " is not in the cart");
77     }
78     public float calculatePrice(){
79         float totalprice=0;
80         for(int i=0; i<nProducts;i++ ){
81             if (products[i]!= null){
82                 totalprice+= products[i].getPrice();
83             }
84         }
85     }
86     return totalprice;
87 }
88 public void placeorder(Order o , Cart c){
89
90     o.c1 = c;
91     o.products = new product[c.nProducts];
92 }
```

javaapplication59.Cart &gt; placeorder &gt;

## Output X



EcommerceSystem (run) X

EcommerceSystem (run) #2 X

EcommerceSystem (run) #3 X

EcommerceSystem (run) #3

running...

X (2 more...) 90%

EcommerceSystem - Apache NetBeans IDE 15

<default config>

square.java X JavaApplication59.java X product.java X Cart.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X

Source History

```
3 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4 */
5 package javaapplication59;
6
7 /**
8 *
9 * @author Experts
10 */
11 public class Order {
12     Cart c1;
13     int customerId;
14     int orderId;
15     product [] products;
16     float totalPrice;
17
18     public Order() {
19     }
20
21
22     public Order(int customerId, int orderId) {
23         this.customerId =Math.abs(a: customerId);
24         this.orderId = Math.abs(a: orderId);
25
26     }
27     private double calculateTotalPrice() {
28         double total = 0;
29         for (product product : products) {
30             if (product != null) {
31                 total += product.getPrice();
32             }
33         }
34     }
35 }
```

javaapplication59.Order > printOrderInfo > for (int i = 0; i < c1.nProducts; i++) > if (c1.products[i] != null) >

Output X

EcommerceSystem (run) X EcommerceSystem (run) #2 X EcommerceSystem (run) #3 X

EcommerceSystem (run) #3 running... X (2 more...) 4353

```
21
22     public Order(int customerId, int orderId) {
23         this.customerId = Math.abs(~customerId);
24         this.orderId = Math.abs(~orderId);
25
26     }
27     private double calculateTotalPrice() {
28         double total = 0;
29         for (product product : products) {
30             if (product != null) {
31                 total += product.getPrice();
32             }
33         }
34         return total;
35     }
36
37     public void printOrderInfo(){
38         System.out.println("order id"+orderId );
39         System.out.println("customer id"+customerId );
40         System.out.println("products in order:");
41         for(int i=0;i<cl.nProducts;i++){
42             if(cl.products[i] != null){
43                 System.out.println(" "+ cl.products[i].toString());
44                 System.out.println("total price"+ cl.calculatePrice());
45             }
46         }
47     }
48
49     }
50 }
```

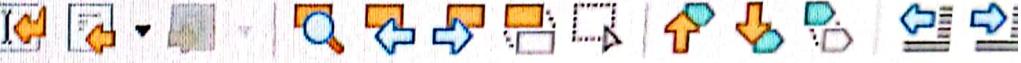
javaapplication15\$ Order > printOrderInfo > for (int i = 0; i < cl.products.length; i++) > if (cl.products[i] != null) >

Output >

EcommerceSystem (run) > EcommerceSystem (run) #2 > EcommerceSystem (run) #3 >

EcommerceSystem (run) #3 > (more...) 4153

Source History



## Output X



EcommerceSystem (run) X

EcommerceSystem (run) #2 X

Ecom



run:



welcome to the E-commerce system



enter customer id

20231

enter customer name

shrouk

enter customer address

adress

enter nom of products to order

4

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

2

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

3

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

2

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

1

wshould you like to place the order ? 1-yes/2-no

out X

EcommerceSystem (run) X

EcommerceSystem (run) #2 X

Ecom

enter choise

2

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

3

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

2

choose product to add

1:smart phone

2:t shirt

3: oop book

enter choise

1

whould you like to place the order ? 1-yes/2-no

1

order id1

customer id20231

products in order:

name=t shirt,price19.99

total price679.87

name=oop,price39.99

total price679.87

name=t shirt,price19.99

total price679.87

name=smart phone ,price599.9

total price679.87

BUILD SUCCESSFUL (total time: 10 minutes 7 seconds)