

product.javaVersion control

Current File

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EcommerceSystem.java × product.javaOrder.javaelectronicproducts.javaclothingproducts.javabookproduct.javacart.java

```
1 import java.util.Scanner ;
2 public class EcommerceSystem {
3     public static void main(String[] args) {
4         Scanner input = new Scanner(System.in);
5
6         electronicproducts e = new electronicproducts( productId: 1, price: 599.9F, name: "smartphone", barnd: "sumsung", warrantyPeriod: 1);
7         clothingproducts c1 = new clothingproducts();
8         c1.setName("T-shirt");
9         c1.setProductId(2);
10        c1.setPrice(19.99f);
11        c1.setSize("medium");
12        c1.setFabric("cotton");
13
14        bookproduct b1 = new bookproduct();
15        b1.setName("00P");
16        b1.setProductId(3);
17        b1.setPrice(39.99f);
18        b1.setAuthor("O'Reilly");
19        b1.setPublisher("X publications");
20
21        costumer co = new costumer();
22        System.out.println("welcom to the E-commerce System");
23        System.out.println("plaeese enter your Id :");
24        int id = input.nextInt();
25        co.setCostumerId(id);
26        System.out.println("please enter your name :");
27        String name = input.next();
28        co.setName(name);
29        System.out.println("please enter your address :");
```

project1-prog > src > EcommerceSystem84:2 LF UTF-8 4 spaces

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ENG
11:13 PM
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product.java Version control

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EcommerceSystem.java product.java Order.java electronicproducts.java clothingproducts.java bookproduct.java cart.java costumer.java

```
19      b1.setPublisher("X publications");
20
21      costumer co = new costumer();
22      System.out.println("welcom to the E-commerce System");
23      System.out.println("plaeese enter your Id :");
24      int id = input.nextInt();
25      co.setCostumerId(id);
26      System.out.println("please enter your name :");
27      String name = input.next();
28      co.setName(name);
29      System.out.println("please enter your address :");
30      String address = input.next();
31      co.setAddress(address);
32
33      System.out.println("how many products you want to add to your cart?");
34      int nproducts = input.nextInt();
35      cart c = new cart();
36      c.setNproducts(nproducts);
37      for (int i = 0 ; i<nproducts ;i++){
38          System.out.println("which product do you want to add ? 1-smartphone 2-T-shirt 3-00P");
39          int choice = input.nextInt();
40          switch (choice) {
41              case 1:
42                  c.addProducts(e);
43                  break;
44              case 2:
45                  c.addProducts(c1);
46                  break;
47              case 3:
```

5

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```
product.java Version control Current File
EcommerceSystem.java product.java Order.java electronicproducts.java clothingproducts.java bookproduct.java cart.java costumer.java

46         break;
47     case 3:
48         c.addProducts(b1);
49         break;
50     }
51 }
52 System.out.println("your total price is :"+c.calculatePrice()+" would you like to palce the order? 1-yes 2-no");
53 int choice2 = input.nextInt();
54 if (choice2==2) {
55     System.out.println("do you want to remove any product ?");
56     System.out.println("1-yes 2-no");
57     int choice3 = input.nextInt();
58     if (choice3 == 1) {
59         System.out.println("which product do you want to remove ? 1-smartphone 2-t-shirt 3-00P");
60         int choice4 = input.nextInt();
61         switch (choice4) {
62             case 1:
63                 c.removeproduct(e);
64                 break;
65             case 2:
66                 c.removeproduct(c1);
67                 break;
68             case 3:
69                 c.removeproduct(b1);
70                 break;
71         }
72     } else {
73         System.out.println("done");
74     }
}
```

5 ^ v

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EcommerceSystem.java product.java Order.java electronicproducts.java clothingproducts.java bookproduct.java cart.java costumer.java

```
61         switch (choice4) {
62             case 1:
63                 c.removeproduct(e);
64                 break;
65             case 2:
66                 c.removeproduct(c1);
67                 break;
68             case 3:
69                 c.removeproduct(b1);
70                 break;
71         }
72     } else {
73         System.out.println("done");
74     }
75 }
76
77 System.out.println("here is your orders summary :");
78 //using order class
79 Order order = new Order( OrderId: 9,c);
80 order.PrintOrderinfo();
81
82
83
84 }
```

5

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product.java Version control

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EcommerceSystem.java product.java Order.java electronicproducts.java clothingproducts.java bookproduct.java cart.java costumer.java

11 usages 3 inheritors

```
1 public class product {
2     int productId;
3     String name ;
4     float price ;
5     //remember that the price is float
6     public void setPrice(float price) {
7         if (price > 0) {
8             this.price = price;
9         } else {
10            this.price = Math.abs(price);
11        }
12    }
13    public void setName(String name) { this.name = name ; }
14    public void setProductId(int productId){
15        if (productId > 0){
16            this.productId=productId;
17        }
18        else {
19            this.productId=Math.abs(productId);
20        }
21    }
22 }
23
```

4 usages
3 usages
4 usages
2 usages
2 usages
no usages

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product.javaVersion control

Current File

EcommerceSystem.javaproduct.javaOrder.javaelectronicproducts.javaclothingproducts.javabookproduct.javacart.javacostumer.java

8this.price = price;

9} else {

10this.price = Math.abs(price);

11}

12}

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

16public void setProductId(int productId){

17if (productId > 0){

18this.productId=productId;

19}

20else {

21this.productId=Math.abs(productId);

22}

23}

24> public int getProductId() { return productId; }

27> public float getPrice() { return price ; }

30> public String getName () { return name ; }

33}

34}

2 usages

2 usages

no usages

4 usages

1 usage

project1-prog > src > @ product > @ getProductId

1

1

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CS CamScanner

product.java

Version control

Current File

product.java

Order.java

electronicproducts.java

clothingproducts.java

bookproduct.java

cart.java

costumer.java

2 usages

1 usage

4 usages

8 usages

3 usages

1 usage

no usages

no usages

```
1 public class Order {
2     int costumerId;
3     int OrderId;
4     product[]products;
5     //for using the methods without inheritance or keyword static
6     float totalPrice;
7     Order(int OrderId, cart c ){
8         this.OrderId=OrderId;
9         products=c.products;
10    }
11    public void setOrderId(int OrderId){
12        if (OrderId>0){
13            this.OrderId=OrderId;
14        }
15        else {
16            this.OrderId=Math.abs(OrderId);
17        }
18    }
19    public float getTotalPrice(){
20        float price = 0;
21        for (int i = 0; i < products.length; i++) {
```

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project1-prog > src > Order

EcommerceSystem.java product.java **Order.java** electronicproducts.java clothingproducts.java

```

18  }
19  no usages
20  public float getTotalPrice(){
21      float price = 0;
22      for (int i = 0; i < products.length; i++) {
23          price += products[i].getPrice();
24      }
25      return price;
26  }
27  1 usage
28  public int getOrderId() { return orderId; }
29  no usages
30  public int getCustomerId() { return customerId; }
31  1 usage
32  public void PrintOrderinfo (){
33      System.out.println("customerId:"+customerId());
34      System.out.println("orderId :"+getOrderId());
35      System.out.println("products :");
36      for (int i = 0 ; i<products.length ; i++){
37          System.out.println("product name :"+products[i].getName());
38          System.out.println("price :"+products[i].getPrice());
39      }
40      totalPrice=0;
41
42      for(int i =0 ; i<products.length ;i++){
43          totalPrice+=products[i].getPrice();
44      }
45
46      System.out.println("total price :"+totalPrice);

```

project1-prog > src > Order > setOrderId

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11:41 CRLF UTF-8 4 spaces

product.javaVersion control

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EcommerceSystem.javaproduct.javaOrder.java**electronicproducts.java**clothingproducts.javabookproduct.javacart.javacostumer.java

2 usages

1 public class electronicproducts extends product {

4 usages

2 protected String brand ;

4 usages

3 protected int warrantyPeriod;

1 usage

4 electronicproducts(int productid,float price,String name,String brand ,int warrantyPeriod){

5 productid=productId;

6 this.price = price ;

7 this.name = name ;

8 this.brand = brand ;

9 this.warrantyPeriod=warrantyPeriod;

10 }

no usages

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

no usages

14 public void setWarrantyPeriod(int warrantyPeriod){

15 if (warrantyPeriod>0){

16 this.warrantyPeriod=warrantyPeriod;

17 }

18 else {

19 this.warrantyPeriod=Math.abs(warrantyPeriod);

20 }

21 }

no usages

22 > public int getWarrantyPeriod() { return warrantyPeriod; }

no usages

25 > public String getBrand() { return brand; }

9 1 3

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project1-prog > src > **electronicproducts**29:1 CRLF UTF-8 4 spaces

```
1 public class clothingproducts extends product{
2     2 usages
3     protected String size , fabric;
4
5     1 usage
6     public void setSize(String size){
7         this.size = size ;
8     }
9     1 usage
10    public void setFabric(String fabric){
11        this.fabric=fabric;
12    }
13    no usages
14    public String getSize()
15    {
16        return size;
17    }
18    no usages
19    public String getFabric(){
20        return fabric ;
21    }
22 }
```

4 2 ^

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```

2 usages
1 public class bookproduct extends product{
    2 usages
    2 protected String author , publisher ;
    1 usage
    3 > public void setAuthor(String author) { this.author = author; }
    1 usage
    6 > public void setPublisher(String publisher) { this.publisher = publisher; }
    no usages
    9 > public String getAuthor() { return author ; }
    no usages
    12 > public String getPublisher() { return publisher; }
    15 }
    16

```

project1-prog > src > bookproduct

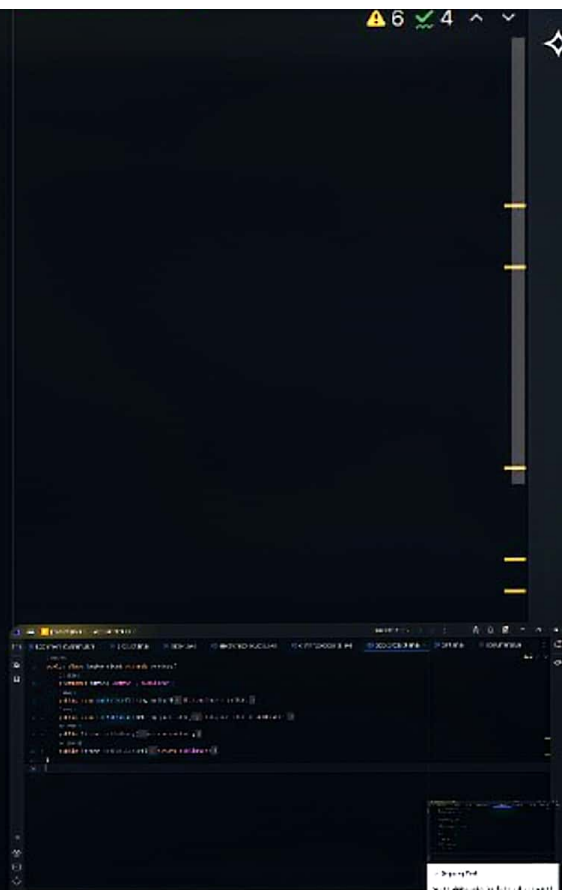


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```
3 usages
1 public class cart {
    2 usages
2     protected static int nproducts;
    12 usages
3     protected product[] products ;
    2 usages
4     protected int costumerId ;
5
6
    no usages
7 > public void setCostumerId(int costumerId) { this.costumerId=costumerId; }
    1 usage
10 public void setNproducts(int nproducts) {
11     System.out.println("the number of products are set successfully ");
12     this.nproducts = nproducts;
13     products=new product[nproducts];
14 }
    3 usages
15 public void addProducts(product p) {
16
17     for (int i = 0; i < products.length ; i++) {
18         if (products[i]==null)
19             products[i] = p;
20     }
21 }
22
    no usages
23 > public int getCostumerId() { return costumerId; }
```

project1-prog > src > @ cart



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//remember i need a scanner for adding

3 usages

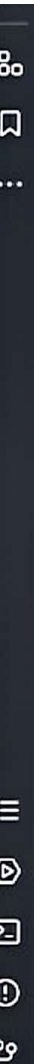
```
public product [] removeproduct (product p){  
    product [] newarr = new product[nproducts-1];  
    for (int i =0 ; i<products.length ; i++){  
        if (products[i]!= null &&products[i]==p){  
            continue ;  
        }  
        else {  
            System.out.println("there are no products ");  
        }  
        for(int j =0 ;j<products.length-1 ; j++){  
            newarr[j]=products[i];  
            j++;  
        }  
    }  
    return newarr ;  
}
```

1 usage

```
public float calculatePrice() {  
    float price = 0;  
    for (int i = 0; i < products.length; i++) {  
        price += products[i].getPrice();  
    }  
    return price;  
}
```

6 4 ^ v

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3 usages

```
1 public class costumer {  
    3 usages  
2     protected static int costumerId;  
    2 usages  
3     protected String name ;  
    2 usages  
4     protected String address;  
    1 usage  
5     public void setCostumerId(int costumerId){  
6         if (costumerId>0){  
7             this.costumerId=costumerId ;  
8         }  
9         else{  
10            this.costumerId=Math.abs(costumerId);  
11        }  
12    }  
    1 usage  
13 > public void setName(String name) { this.name = name ; }  
    1 usage  
16 > public void setAddress(String address) { this.address = address; }  
    1 usage  
19 > public static int getCostumerId() { return costumerId; }  
    no usages  
22 > public String getName() { return name ; }  
    no usages  
25 > public String getAddress() { return address; }  
28 }  
29
```

```
Run EcommerceSystem x
which product do you want to add ? 1-smartphone 2-T-shirt 3-00P
1
which product do you want to add ? 1-smartphone 2-T-shirt 3-00P
1
which product do you want to add ? 1-smartphone 2-T-shirt 3-00P
1
your total price is :1799.7001 would you like to palce the order? 1-yes 2-no
2
do you want to remove any product ?
1-yes 2-no
2
done
here is your orders summary :
costumerId:23012197
OrderId :9
products :
product name :smartphone
price :599.9
product name :smartphone
price :599.9
product name :smartphone
price :599.9
total price :1799.7001

Process finished with exit code 0
|
```

project1-prog > src > EcommerceSystem



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```
Run EcommerceSystem x
"C:\Program Files\Java\jdk-21\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.3\lib\idea_rt.jar=64476:C:\Program Fil
welcom to the E-commerce System
please enter your Id :
23012197
please enter your name :
Maram
please enter your address :
alex
how many products you want to add to your cart?
3
the number of products are set successfully
which product do you want to add ? 1-smartphone 2-T-shirt 3-00P
1
which product do you want to add ? 1-smartphone 2-T-shirt 3-00P
1
which product do you want to add ? 1-smartphone 2-T-shirt 3-00P
1
your total price is :1799.7001 would you like to palce the order? 1-yes 2-no
2
do you want to remove any product ?
1-yes 2-no
2
done
here is your orders summary :
costumerId:23012197
OrderId :9
products :
```

project1-prog > src > EcommerceSystem

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