



Projects x

Test Libraries

Source Packages

bmi

BMI.java

Test Packages

Libraries

Test Libraries

asses

Source Packages

com.mycompany.classes

Classes.java

Rectangle.java

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Project Files

commerceSystem

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com.mycompany.e.commercesystem

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ClothingProduct.java

Customer.java

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ElectronicProduct.java

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com.mycompany.gui

Start Page x Products.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x Order.java x ECommerceSystem.java x

Source History

```
1  public class Products {
12     private int productId;
13     private String name;
14     private double price;
15
16     public Products(int productId, String name, double price) {
17         this.productId = Math.abs(productId);
18         this.name = name;
19         this.price = Math.abs(price);
20     }
21
22     public void setproductId(int p)
23     {
24         productId = p;
25     }
26
27     public void setname(String n)
28     {
29         name = n;
30     }
31
32     public void setprice(double pr)
33     {
34         price = pr;
35     }
36
37     public int getProductId() {
38         return productId;
39     }
40
41     public String getName() {
42         return name;
43     }
44
45     public double getPrice() {
46         return price;
47     }
48 }
```

```

8      ^
9      * @author system 2023
10     */
11     public class ElectronicProduct extends Products{
12         private String brand;
13         private int warrantyPeriod;
14
15         public ElectronicProduct(int productId, String name, double price, String brand, int warrantyPeriod) {
16             super(productId, name, price);
17             this.brand = brand;
18             this.warrantyPeriod = Math.abs(warrantyPeriod);
19         }
20
21
22         public void setbrand(String br)
23         {
24             brand = br;
25         }
26
27         public void setwarrantyPeriod(int w)
28         {
29             warrantyPeriod= w;
30         }
31
32         public String getBrand() {
33             return brand;
34         }
35
36         public int getWarrantyPeriod() {
37             return warrantyPeriod;
38         }
39     }
40
41

```

<default config>



371.1/458.0MB



Start Page × Products.java × ElectronicProduct.java × ClothingProduct.java × BookProduct.java × Customer.java × Cart.java × Order.java × ECommerceSystem.java ×

Source History

```
8      *
9      * @author system 2023
10     */
11     public class ClothingProduct extends Products{
12         private String size;
13         private String fabric;
14
15         public ClothingProduct(int productId, String name, double price, String size, String fabric) {
16             super(productId, name, price);
17             this.size = size;
18             this.fabric = fabric;
19         }
20
21         public void setsize(String s)
22         {
23             size = s;
24         }
25
26         public void setfabric(String f)
27         {
28             fabric = f;
29         }
30
31         public String getSize() {
32             return size;
33         }
34
35         public String getFabric() {
36             return fabric;
37         }
38     }
39
40
```

```

9      * @author system 2023
10     */
11     public class BookProduct extends Products{
12         private String author;
13         private String publisher;
14
15         public BookProduct(int productId, String name, double price, String author, String publisher) {
16             super(productId, name, price);
17             this.author = author;
18             this.publisher = publisher;
19         }
20
21         public void setauthor(String a)
22         {
23             author = a;
24         }
25
26         public void setpublisher(String pu)
27         {
28             publisher = pu;
29         }
30
31         public String getAuthor() {
32             return author;
33         }
34
35         public String getPublisher() {
36             return publisher;
37         }
38     }
39
40
41

```

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Source History

```
8      *
9      * @author system 2023
10     */
11     public class Customer {
12         private int customerId;
13         private String name;
14         private String address;
15
16         public Customer(int customerId, String name, String address) {
17             this.customerId = Math.abs(a: customerId);
18             this.name = name;
19             this.address = address;
20         }
21
22         public Customer()
23         {
24             customerId = 23012140;
25             name = "Noha Ibrahim";
26             address = "Miami";
27         }
28
29         public void setcustomerId(int cu)
30         {
31             customerId = cu;
32         }
33
34         public void setname(String na)
35         {
36             name = na;
37         }
38
39         public void setaddress(String ad)
40         {
41             address = ad;
42         }
43
44         public int getCustomerId() {
```

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Source History

```
25     name = "Noha Ibrahim";
26     address = "Miami";
27 }
28
29 public void setcustomerId(int cu)
30 {
31     customerId = cu;
32 }
33
34 public void setname(String na)
35 {
36     name = na;
37 }
38
39 public void setaddress(String ad)
40 {
41     address = ad;
42 }
43
44 public int getCustomerId() {
45     return customerId;
46 }
47
48 public String getName() {
49     return name;
50 }
51
52 public String getAddress() {
53     return address;
54 }
55
56
57 }
58
59
```


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Source History

```
10  */
11  public class Cart {
12      private int customerId;
13      private int nProducts;
14      private Products[] products;
15
16      public Cart(int customerId, int maxProducts) {
17          this.customerId = Math.abs(a: customerId);
18          this.products = new Products[maxProducts];
19          this.nProducts = 0;
20      }
21
22
23      public void setcustomerId(int cus)
24      {
25          customerId = cus;
26      }
27
28      public void setnProducts(int nP)
29      {
30          nProducts = nP;
31      }
32
33      public void setCartProducts(Products[] products)
34      {
35          this.products = products;
36      }
37
38      public int getcustomerId()
39      {
40          return customerId;
41      }
42
43      public int getnProducts()
44      {
45          return nProducts;
46      }
```

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E-commerceSystem - Apache NetBeans IDE 19

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Source History

```
48 public Products[] getCartProducts() {
49     return products;
50 }
51
52 public void addProduct(Products product)
53 {
54     if (nProducts < products.length) {
55         products[nProducts++] = product;
56     } else {
57         System.out.println("Cart is full. Cannot add more products.");
58     }
59 }
60
61
62
63 public void removeProduct(int index) {
64     if (index >= 0 && index < nProducts) {
65         for (int i = index; i < nProducts - 1; i++) {
66             products[i] = products[i + 1];
67         }
68         nProducts--;
69     } else {
70         System.out.println("Invalid index.");
71     }
72 }
73
74 public double calculatePrice() {
75     double totalPrice = 0;
76     for (int i = 0; i < nProducts; i++) {
77         totalPrice += products[i].getPrice();
78     }
79     return totalPrice;
80 }
81
82 public Order placeOrder() {
83     return new Order(customerId, products, totalPrice: calculatePrice());
84 }
```



```

1  * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
2
3
4  */
5  package com.mycompany.e.commercesystem;
6
7  /**
8   *
9   * @author system 2023
10  */
11  public class Order {
12      private int customerId;
13      private Products[] products;
14      private double totalPrice;
15
16      public Order(int customerId, Products[] products, double totalPrice) {
17          this.customerId = Math.abs(a: customerId);
18          this.products = products;
19          this.totalPrice = Math.abs(a: totalPrice);
20      }
21
22
23
24      public void printOrderInfo() {
25          System.out.println(x: "Order Details:");
26          System.out.println("Customer ID: " + customerId);
27          System.out.println(x: "Products:");
28          for (Products product : products) {
29              System.out.println(" - " + product.getName());
30          }
31          System.out.println("Total Price: " + totalPrice);
32      }
33  }
34

```

```
...ge Products.java X ElectronicProduct.java X ClothingProduct.java X BookProduct.java X Customer.java X Cart.java X Order.java X ECommerceSystem.java X
Source History
1  /*
2   * Click nbfs://nbhost/SystemFileSystem/Templates/Licenses/license-default.txt to change this license
3   */
4
5   package com.mycompany.e.commercesystem;
6   import java.util.Scanner;
7
8   /**
9    *
10   * @author system 2023
11   */
12   public class ECommerceSystem {
13
14       public static void main(String[] args) {
15
16           Scanner scanner = new Scanner(System.in);
17           System.out.println(x: "Welcome to the E-Commerce System!");
18           System.out.println(x: "Please enter your id:");
19           int customerId = scanner.nextInt();
20           scanner.nextLine(); // Consume newline
21           System.out.println(x: "Please enter your name:");
22           String customerName = scanner.nextLine();
23           System.out.println(x: "Please enter your address:");
24           String customerAddress = scanner.nextLine();
25           Customer customer = new Customer(customerId, name: customerName, address: customerAddress);
26
27           System.out.println(x: "How many products you want to add to your cart?");
28           int numProducts = scanner.nextInt();
29           scanner.nextLine(); // Consume newline
30           Cart cart = new Cart(customerId: customer.getCustomerId(), maxProducts: numProducts);
31
32           for (int i = 0; i < numProducts; i++) {
33               System.out.println(x: "Which product would you like to add? 1- Smartphone 2- T-Shirt 3- OOP");
34               int productType = scanner.nextInt();
35               scanner.nextLine(); // Consume newline
36           }
37       }
38   }
```

```

36
37
38     switch (productType) {
39         case 1:
40             cart.addProduct(new ElectronicProduct(productId:1, name: "Smartphone", price: 599.99, brand: "Samsung", warrantyPeriod: 1));
41             break;
42         case 2:
43             cart.addProduct(new ClothingProduct(productId:2, name: "T-Shirt", price: 19.99, size: "Medium", fabric: "Cotton"));
44             break;
45         case 3:
46             cart.addProduct(new BookProduct(productId:3, name: "OOP", price: 39.99, author: "O'Reilly", publisher: "X Publications"));
47             break;
48         default:
49             System.out.println(x: "Invalid product choice!");
50             break;
51     }
52 }
53
54 double totalPrice = cart.calculatePrice();
55 System.out.println("Your total is $" + totalPrice + ". Would you like to place the order? 1- Yes 2- No");
56 int choice = scanner.nextInt();
57 scanner.nextLine(); // Consume newline
58 if (choice == 1) {
59     Order order = cart.placeOrder();
60     System.out.println(x: "Here's your order's summary:");
61     order.printOrderInfo();
62 } else {
63     System.out.println(x: "Order not placed. Exiting...");
64 }
65 }
66 }
67
68
69
70
71
72
--

```



Run (E-commerceSystem) X

Run (E-commerceSystem) X



```
--- exec:3.1.0:exec (default-cli) @ E-commerceSystem ---
```

```
Welcome to the E-Commerce System!
```

```
Please enter your id:
```

```
20231
```

```
Please enter your name:
```

```
Noha Ibrahim
```

```
Please enter your address:
```

```
Miami
```

```
How many products you want to add to your cart?
```

```
4
```

```
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
```

```
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
```

```
1
```

```
Your total is $679.96. Would you like to place the order? 1- Yes 2- No
```

```
1
```

```
Here's your order's summary:
```

```
Order Details:
```

```
Customer ID: 20231
```

```
Products:
```

- T-Shirt
- OOP
- T-Shirt
- Smartphone

```
Total Price: 679.96
```

```
-----  
BUILD SUCCESS  
-----
```