

project - Apache NetBeans IDE 15

<default config>

957.0/1208MB

Search (⌘+F)

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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 project;
6
7  import java.util.Scanner;
8
9  public class Project {
10
11     public static void main(String[] args) {
12
13
14
15         Scanner scanner = new Scanner( source:System.in );
16
17         System.out.println( x:"Enter electronic product details:" );
18         System.out.print( s:"Product ID: " );
19         int electronicId = scanner.nextInt();
20         System.out.print( s:"Price: " );
21         float electronicPrice = scanner.nextFloat();
22         System.out.print( s:"Brand: " );
23         String electronicBrand = scanner.next();
24         System.out.print( s:"Warranty Period: " );
25         int electronicWarranty = scanner.nextInt();
26         ElectronicProduct smartphone = new ElectronicProduct( productId:electronicId, name:"smartphone", price:electronicPrice, brand:electronicBrand,
27
28
29         System.out.println( x:"Enter clothing product details:" );
30         System.out.print( s:"Product ID: " );
31         int clothingId = scanner.nextInt();
32         System.out.print( s:"Price: " );
33         float clothingPrice = scanner.nextFloat();
34         System.out.print( s:"Size: " );
35         String clothingSize = scanner.next();
36         System.out.print( s:"Fabric: " );
37         String clothingFabric = scanner.next();
38         ClothingProduct tShirt = new ClothingProduct( productId:clothingId, name:"T-shirt", price:clothingPrice, size:clothingSize, fabric:clothingFabric );
```

project (run) running... x 67:1 INS

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Search (⌘+)

Source History

```
39     System.out.println("Enter book product details:");
40     System.out.print("Product ID: ");
41     int bookId = scanner.nextInt();
42     System.out.print("Price: ");
43     float bookPrice = scanner.nextFloat();
44     System.out.print("Author: ");
45     String bookAuthor = scanner.nextLine();
46     System.out.print("Publisher: ");
47     String bookPublisher = scanner.nextLine();
48     BookProduct oopBook = new BookProduct(productId:bookId, name:"OOP", price:bookPrice, author:bookAuthor, publisher:bookPublisher);
49
50
51     System.out.println("Enter your customer details:");
52     System.out.print("Customer ID: ");
53     int customerId = scanner.nextInt();
54     scanner.nextLine();
55     System.out.print("Name: ");
56     String customerName = scanner.nextLine();
57     System.out.print("Address: ");
58     String customerAddress = scanner.nextLine();
59     Customer customer = new Customer(customerId, name:customerName, address:customerAddress);
60
61     System.out.print("How many products do you want to order? ");
62     int numproducts = scanner.nextInt();
63     Cart cart = new Cart(customerId:customer.getCustomerId(), nProducts:numproducts);
64
65     cart.addproduct(smartphone);
66     cart.addproduct(tShirt);
67     cart.addproduct(oopBook);
68
69     System.out.print("Do you want to place an order? (yes/no): ");
70     String decision = scanner.next();
71     if (decision.equalsIgnoreCase("yes")) {
72
73         Order order = cart.placeOrder();
74         order.printOrderInfo();
75     } else {
76         System.out.println("Order not placed.");
77     }

```

project (run) running... X 67:1 INS |

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Search (⌘+F)

Project.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

```
3 * Click nbfs://nbhost/SystemFileSystem/Templates/Classes/Class.java to edit this template
4 */
5 package project;
6
7 public class product {
8
9
10    private int productId;
11    private String name;
12    private float price;
13
14    public product(int productId, String name, float price) {
15        this.productId = Math.abs(productId);
16        this.name = name;
17        this.price = Math.abs(price);
18    }
19
20    public int getProductId() {
21        return productId;
22    }
23    public void setProductId(int productId) {
24        this.productId = Math.abs(productId);
25    }
26    public String getName() {
27        return name;
28    }
29    public void setName(String name) {
30        this.name = name;
31    }
32    public float getPrice() {
33        return price;
34    }
35    public void setPrice(float price) {
36        this.price = Math.abs(price);
37    }
38}
39
40}
```

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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 project;
6
7 /**
8  *
9  * @author abdelrahmanmohammed
10 */
11 public class ElectronicProduct extends product {
12
13     private String brand;
14     private int warrantyPeriod;
15
16     public ElectronicProduct(int productId, String name, float price, String brand, int warrantyPeriod) {
17         super(productId, name, price);
18         this.brand = brand;
19         this.warrantyPeriod = Math.abs(warrantyPeriod);
20     }
21
22     public String getBrand() {
23         return brand;
24     }
25     public void setBrand(String brand) {
26         this.brand = brand;
27     }
28     public int getWarrantyPeriod() {
29         return warrantyPeriod;
30     }
31     public void setWarrantyPeriod(int warrantyPeriod) {
32         this.warrantyPeriod = Math.abs(warrantyPeriod);
33     }
34 }
```

project (run) running... x 33:5 INS Unix (LF)

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Start Page x Project.java x product.java x ElectronicProduct.java x ClothingProduct.java x BookProduct.java x Customer.java x Cart.java x Order.java

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```
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 project;
6
7 /**
8  *
9  * @author abdelrahmanmohammed
10 */
11 public class ClothingProduct extends product {
12
13     private String size;
14     private String fabric;
15
16     public ClothingProduct(int productId, String name, float price, String size, String fabric) {
17         super(productId, name, price);
18         this.size = size;
19         this.fabric = fabric;
20     }
21
22     public String getSize() {
23         return size;
24     }
25     public void setSize(String size) {
26         this.size = size;
27     }
28     public String getFabric() {
29         return fabric;
30     }
31     public void setFabric(String fabric) {
32         this.fabric = fabric;
33     }
34 }
35
36
37 }
```

project (run) running... x 33:5 INS Unix (LF)

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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 project;
6
7  /**
8   *
9   * @author abdelrahmanmohammed
10  */
11 public class BookProduct extends product {
12
13     private String author;
14     private String publisher;
15
16     public BookProduct(int productId, String name, float price, String author, String publisher) {
17         super(productId, name, price);
18         this.author = author;
19         this.publisher = publisher;
20     }
21
22     public String getAuthor() {
23         return author;
24     }
25     public void setAuthor(String author) {
26         this.author = author;
27     }
28     public String getPublisher() {
29         return publisher;
30     }
31     public void setPublisher(String publisher) {
32         this.publisher = publisher;
33     }
34 }
35
36
37
38
39 }
```

project (run) running... x 19:6 INS Unix (LF)

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Source History

```
5 package project;
6
7 /**
8 *
9 * @author abdelrahmanmohammed
10 */
11 public class Customer {
12
13     private int customerId;
14     private String name;
15     private String address;
16
17     public Customer(int customerId, String name, String address) {
18         this.customerId = Math.abs(a:customerId);
19         this.name = name;
20         this.address = address;
21     }
22
23     public int getCustomerId() {
24         return customerId;
25     }
26     public void setCustomerId(int customerId) {
27         this.customerId = Math.abs(a:customerId);
28     }
29     public String getName() {
30         return name;
31     }
32     public void setName(String name) {
33         this.name = name;
34     }
35     public String getAddress() {
36         return address;
37     }
38     public void setAddress(String address) {
39         this.address = address;
40     }
41 }
```

project (run) running... x 40:5 INS Unix (LF)

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```
11  public class Cart {  
12      private int customerId;  
13      private int nProducts;  
14      private product[] products;  
15  
16      public Cart(int customerId, int nProducts) {  
17          this.customerId = Math.abs(a:customerId);  
18          this.nProducts = Math.abs(a:nProducts);  
19          this.products = new product[nProducts];  
20      }  
21  
22      public int getCustomerId() {  
23          return customerId;  
24      }  
25      public void setCustomerId(int customerId) {  
26          this.customerId = Math.abs(a:customerId);  
27      }  
28      public int getNProducts() {  
29          return nProducts;  
30      }  
31      public void setNProducts(int nProducts) {  
32          this.nProducts = Math.abs(a:nProducts);  
33      }  
34      public product[] getProducts() {  
35          return products;  
36      }  
37      public void setProducts(product[] products) {  
38          this.products = products;  
39      }  
40  
41      public void addProduct(product product) {  
42          if (nProducts < products.length) {  
43              products[nProducts++] = product;  
44          }  
45      }  
46  
47      public void removeProduct(int productId) {  
48          // Implementation  
49      }  
50  }
```

project (run) running... x 85:3 INS Unix (LF)

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```
11  public class Cart {  
12      private Product[] products;  
13      private int nProducts;  
14  
15      public void addproduct(JavaApplication product) {  
16          products[nProducts] = product;  
17          nProducts++;  
18      }  
19  
20      public void removeProduct(int productId) {  
21          for (int i = 0; i < nProducts; i++) {  
22              if (products[i].getProductId() == productId) {  
23                  for (int j = i; j < nProducts - 1; j++) {  
24                      products[j] = products[j + 1];  
25                  }  
26                  nProducts--;  
27                  break;  
28              }  
29          }  
30      }  
31  
32      public float calculatePrice() {  
33          float totalPrice = 0;  
34          for (int i = 0; i < nProducts; i++) {  
35              totalPrice += products[i].getPrice();  
36          }  
37          return totalPrice;  
38      }  
39  
40      public Order placeOrder() {  
41          return new Order(customerId, orderId:new Order().generateOrderId(), products, totalPrice:calculatePrice());  
42      }  
43  
44      void addproduct(ElectronicProduct smartphone) {  
45          throw new UnsupportedOperationException(message:"Not supported yet.");  
46      }  
47      void addproduct(ClothingProduct tShirt) {  
48          throw new UnsupportedOperationException(message:"Not supported yet.");  
49      }  
50  
51      void addproduct(BookProduct oopBook) {  
52          throw new UnsupportedOperationException(message:"Not supported yet.");  
53      }  
54  }
```

project (run) running... x 85:3 INS |



project - Apache NetBeans IDE 15

Search (⌘+l)

Source History

```
/*
 *
 * @author abdelrahmanmohammed
 */
public class Order {
    private static int lastOrderId = 0;
    private int customerId;
    private int orderId;
    private product[] products;
    private float totalPrice;

    public Order(int customerId, int orderId, product[] products, float totalPrice) {
        this.customerId = Math.abs(customerId);
        this.orderId = Math.abs(orderId);
        this.products = products;
        this.totalPrice = Math.abs(totalPrice);
    }

    Order() {
        throw new UnsupportedOperationException("Not supported yet.");
    }

    public int generateOrderId() {
        return ++lastOrderId;
    }

    public void printOrderInfo() {
        System.out.println("Order ID: " + orderId);
        System.out.println("Customer ID: " + customerId);
        System.out.println("Total Price: $" + totalPrice);
        System.out.println("Products in the order:");
        for (product product : products) {
            System.out.println("- " + product.getName() + " (" + product.getPrice() + ")");
        }
    }
}
```

project (run) running... X 33:1 INS Unix (LF)