Fundamentos de Java

Parte 5

Presenta

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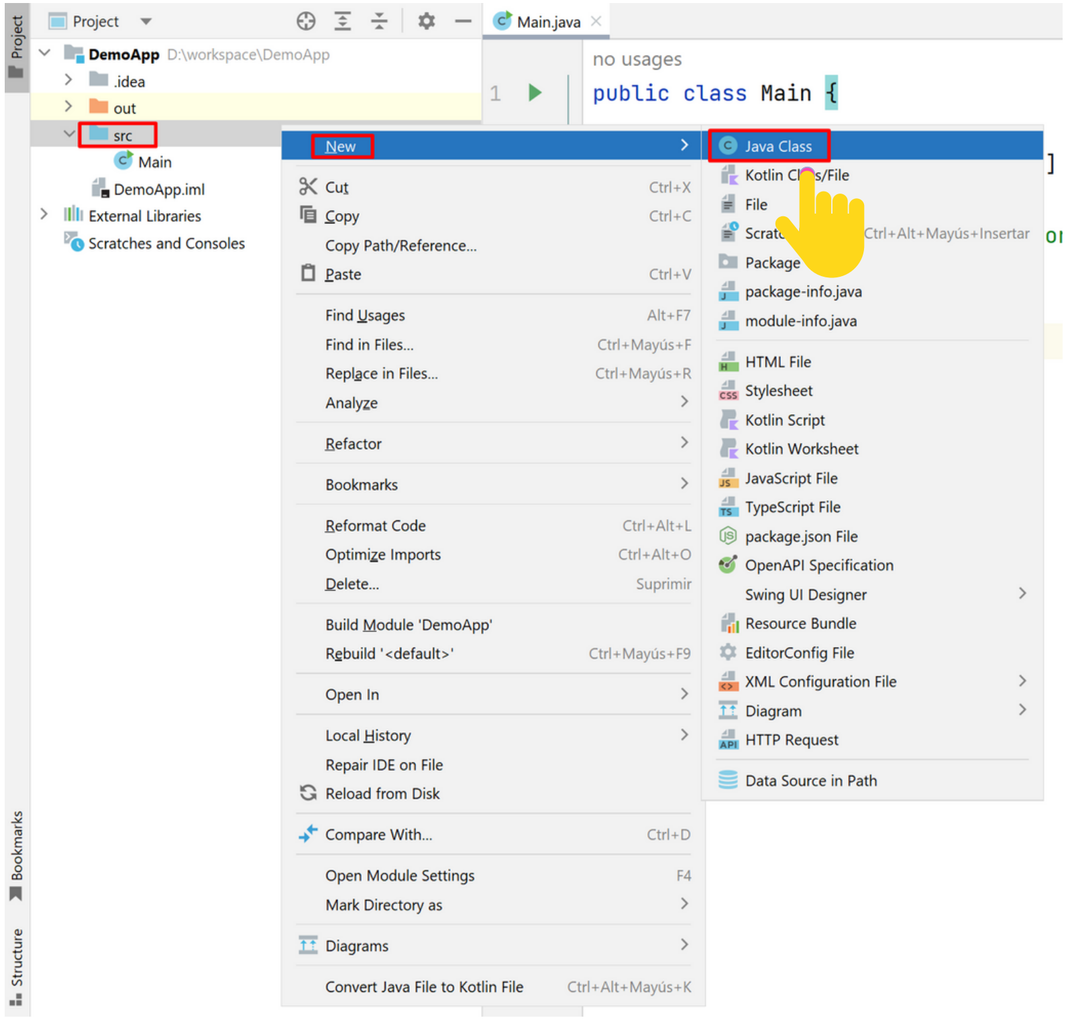
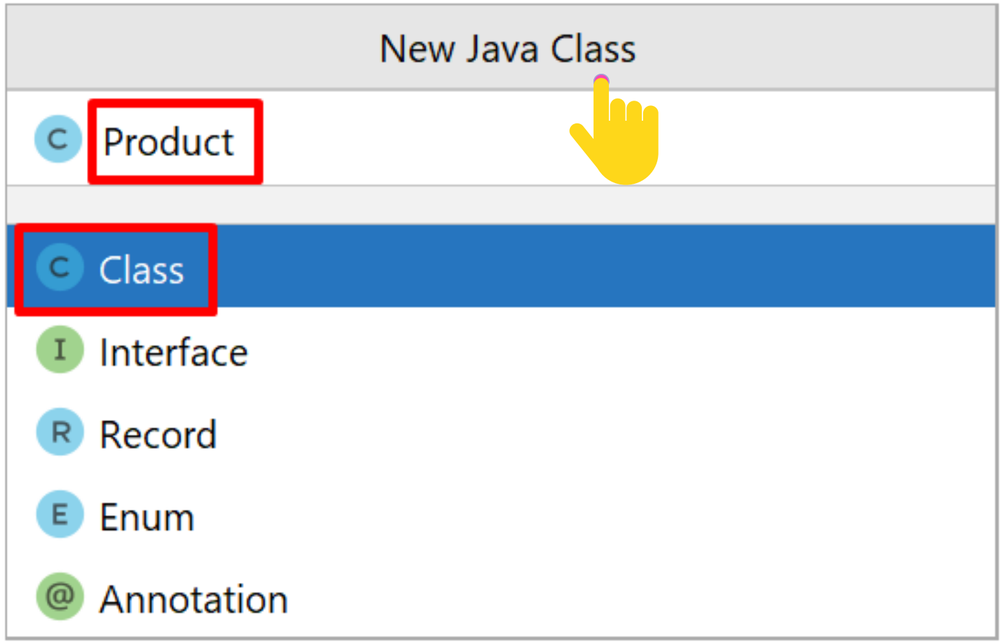
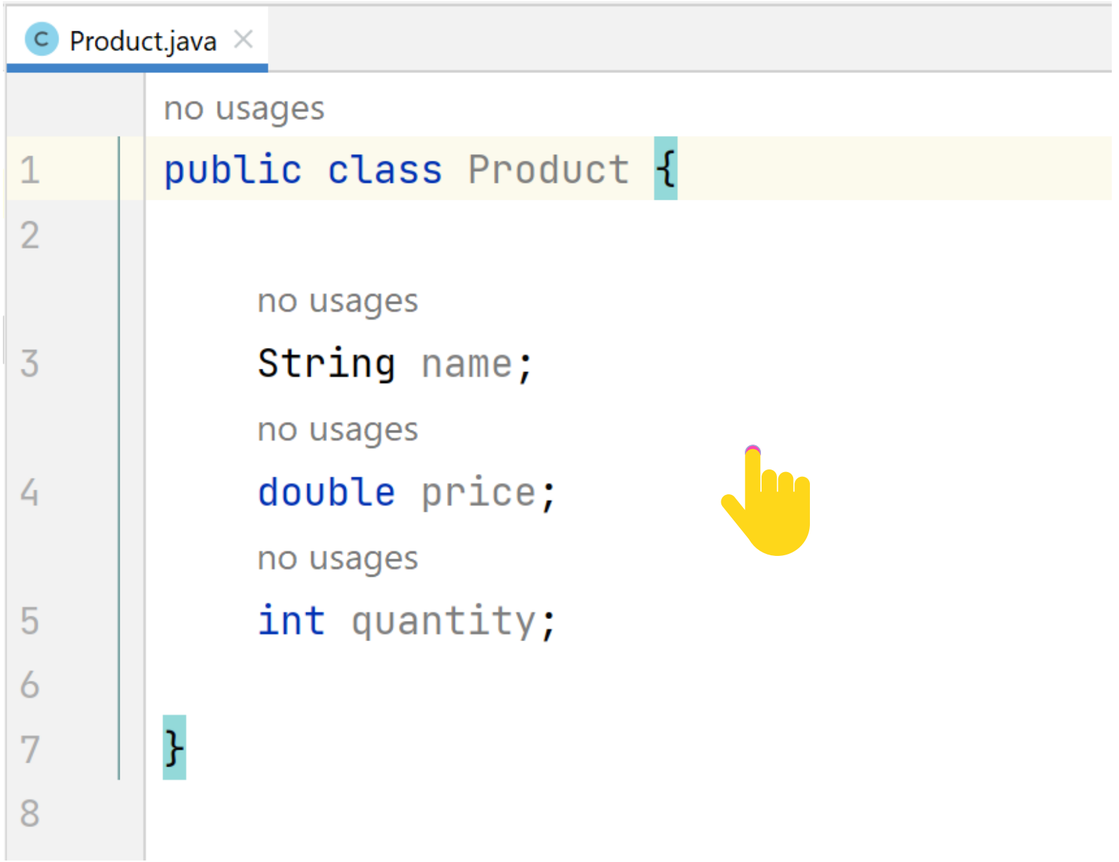
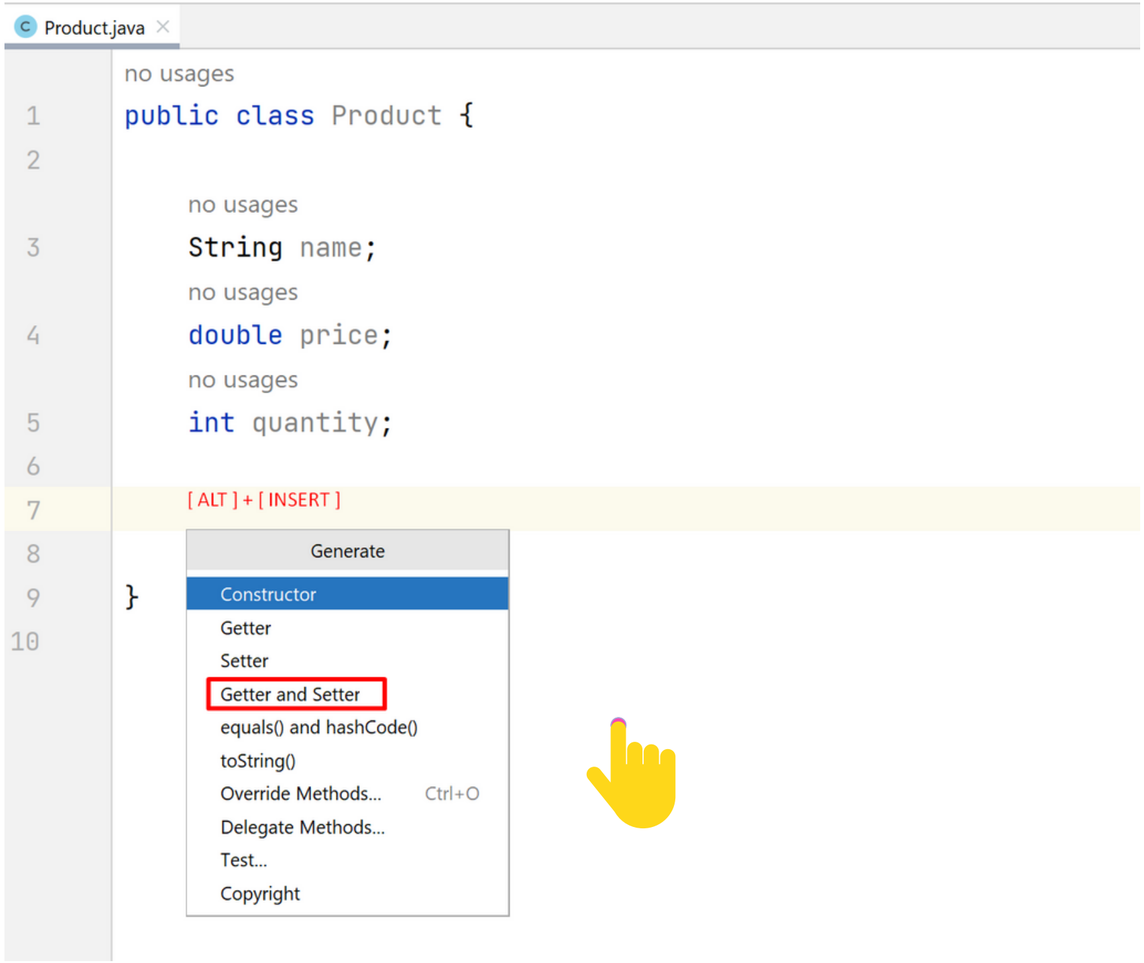
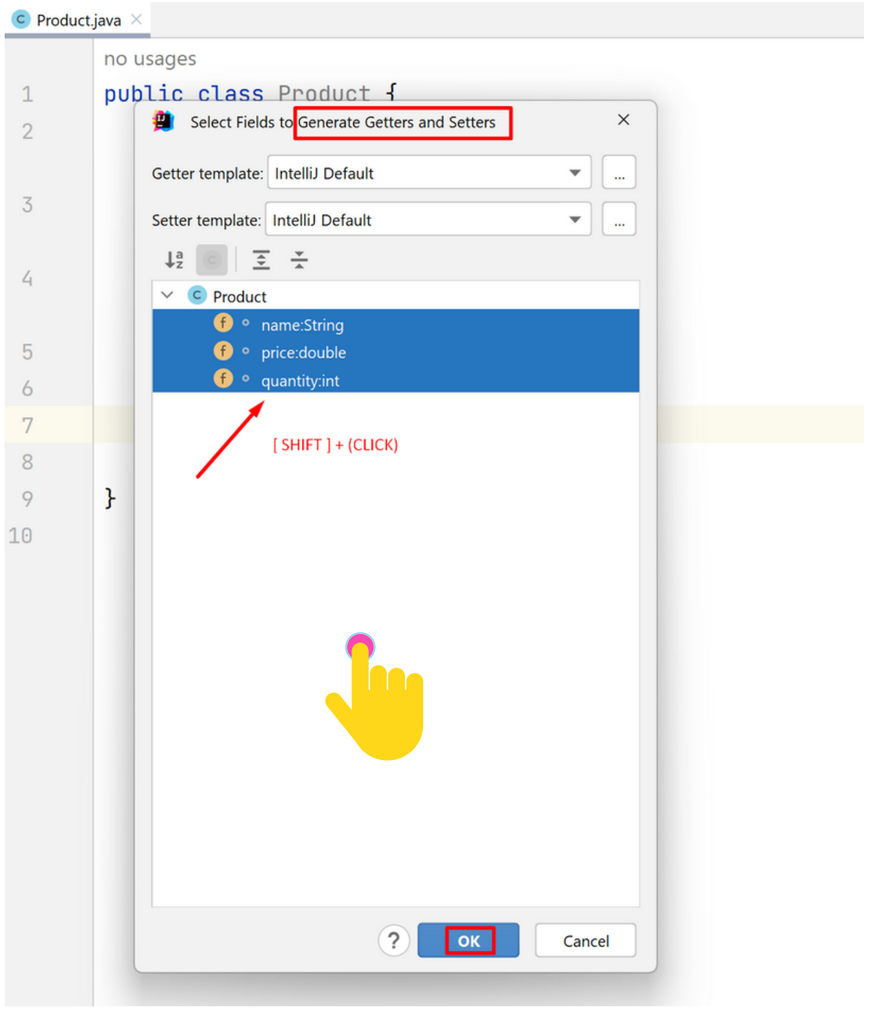
Marzo 2023


Project
Main.java
DemoApp D:\workspace\DemoApp
.idea
out
src
Main
DemoApp.iml
External Libraries
Scratches and Consoles
no usages
public class Main {
New
Cut Ctrl+X
Copy Ctrl+C
Copy Path/Reference...
Paste Ctrl+V
Find Usages Alt+F7
Find in Files... Ctrl+Mayús+F
Replace in Files... Ctrl+Mayús+R
Analyze
Refactor
Bookmarks
Reformat Code Ctrl+Alt+L
Optimize Imports Ctrl+Alt+O
Delete... Suprimir
Build Module 'DemoApp'
Rebuild '<default>' Ctrl+Mayús+F9
Open In
Local History
Repair IDE on File
Reload from Disk
Compare With... Ctrl+D
Open Module Settings F4
Mark Directory as
Diagrams
Convert Java File to Kotlin File Ctrl+Alt+Mayús+K
Java Class
File
Package
package-info.java
module-info.java
HTML File
Stylesheet
Kotlin Script
Kotlin Worksheet
JavaScript File
TypeScript File
package.json File
OpenAPI Specification
Swing UI Designer
Resource Bundle
EditorConfig File
XML Configuration File
Diagram
HTTP Request
Data Source in Path
Bookmarks
Structure


New Java Class
Product
Class
Interface
Record
Enum
Annotation

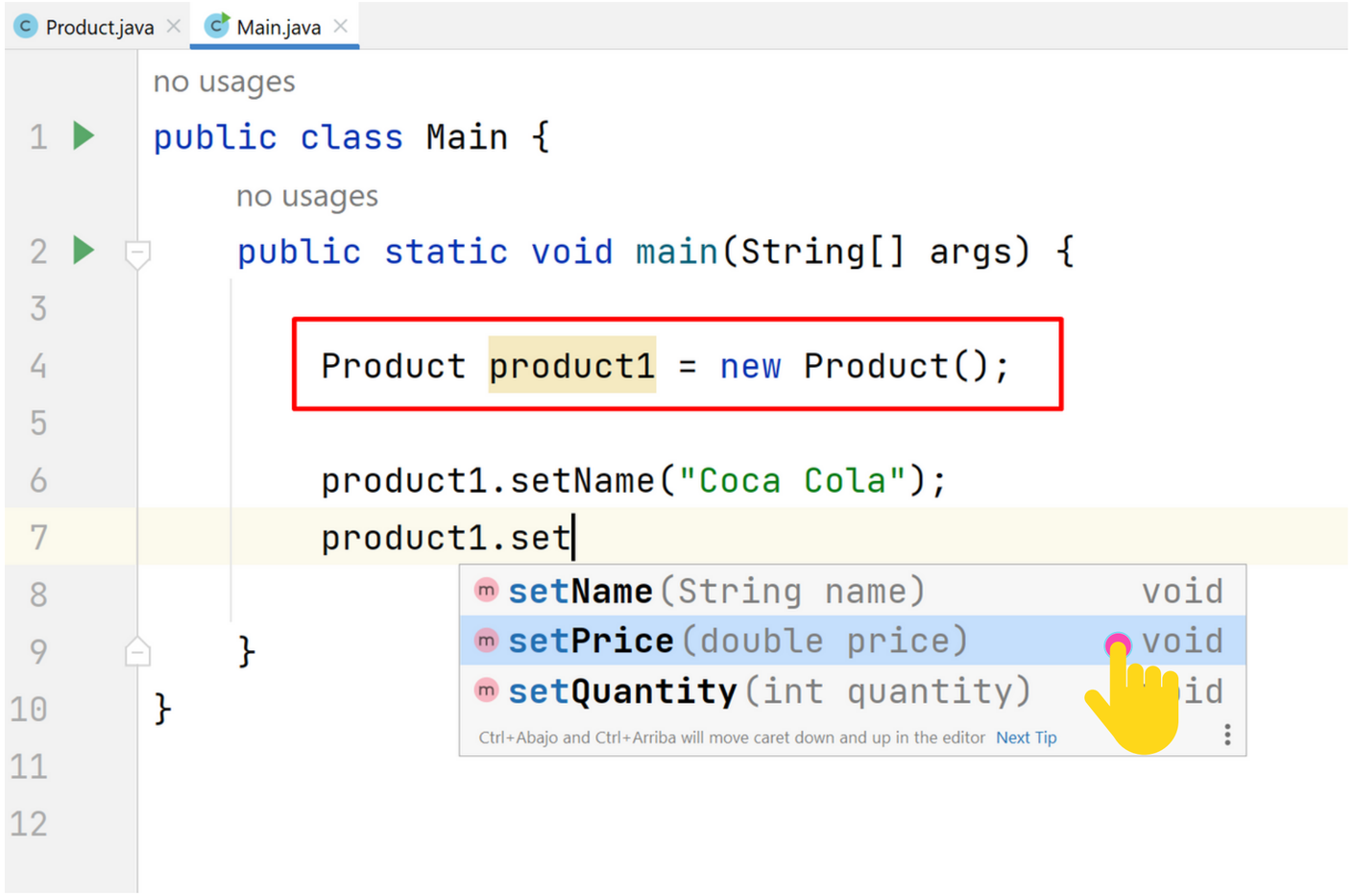

Product.java
no usages
1 public class Product {
2
no usages
3 String name;
no usages
4 double price;
no usages
5 int quantity;
6
7 }
8

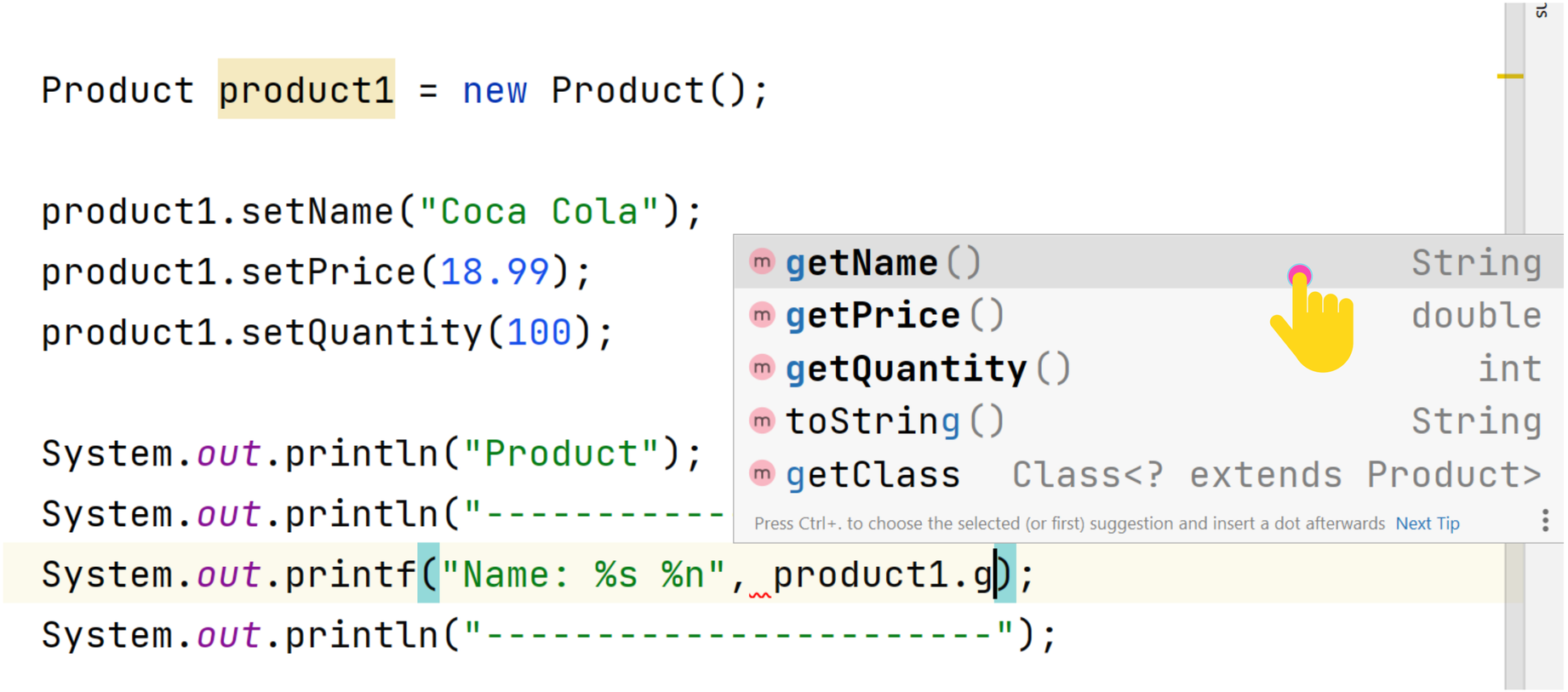

Product.java
no usages
public class Product {
no usages
String name;
no usages
double price;
no usages
int quantity;
[ALT] + [INSERT]
}
Generate
Constructor
Getter
Setter
Getter and Setter
equals() and hashCode()
toString()
Override Methods... Ctrl+O
Delegate Methods...
Test...
Copyright


Product.java
no usages
public class Product {
}
Select Fields to Generate Getters and Setters
Getter template: IntelliJ Default
Setter template: IntelliJ Default
Product
name:String
price:double
quantity:int
[SHIFT] + (CLICK)
OK
Cancel

Product.java

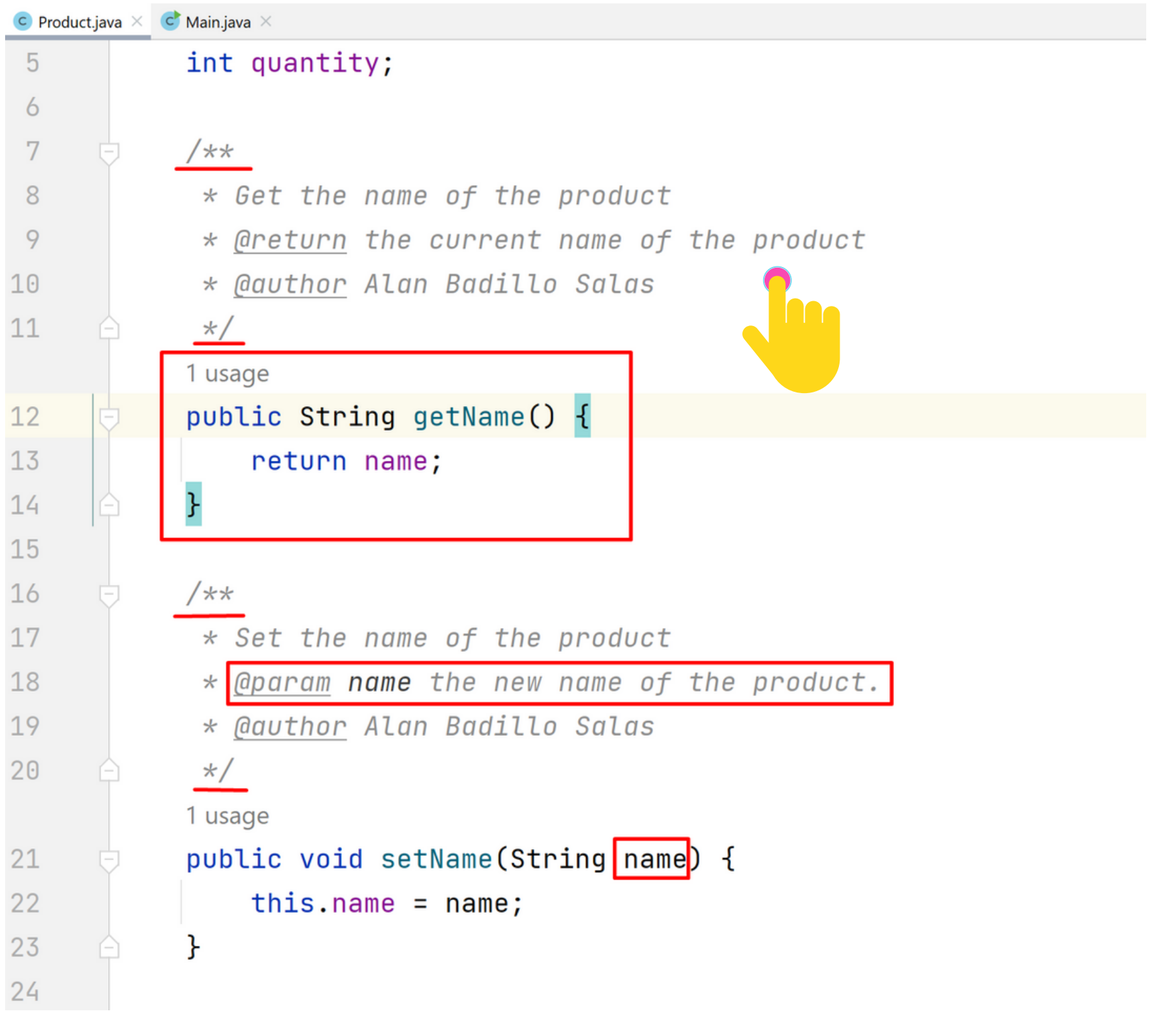
```java
no usages
public class Product {

    2 usages
    String name;
    2 usages
    double price;
    2 usages
    int quantity;

    no usages
    public String getName() {
        return name;
    }

    no usages
    public void setName(String name) {
        this.name = name;
    }

    no usages
    public double getPrice() {
        return price;
    }

    no usages
    public void setPrice(double price) {
        this.price = price;
    }

    no usages
    public int getQuantity() {
        return quantity;
    }

    no usages
    public void setQuantity(int quantity) {
        this.quantity = quantity;
    }
}
```


Product.java
Main.java
no usages
public class Main {
no usages
public static void main(String[] args) {
Product product1 = new Product();
product1.setName("Coca Cola");
product1.set
setName(String name) void
setPrice(double price) void
setQuantity(int quantity)
Ctrl+Abajo and Ctrl+Arriba will move caret down and up in the editor Next Tip
}
}


Product product1 = new Product();
product1.setName("Coca Cola");
product1.setPrice(18.99);
product1.setQuantity(100);
System.out.println("Product");
System.out.println("----------
System.out.printf("Name: %s %n", product1.g);
System.out.println("----------");
getName() String
getPrice() double
getQuantity() int
toString() String
getClass Class<? extends Product>
Press Ctrl+. to choose the selected (or first) suggestion and insert a dot afterwards Next Tip

```java
Product product1 = new Product();

product1.setName("Coca Cola");
product1.setPrice(18.99);
product1.setQuantity(100);

System.out.println("Product");
System.out.println("-----------------------");
System.out.printf("Name: %s %n", product1.getName());
System.out.printf("Name: %.2f %n", product1.getPrice());
System.out.printf("Name: %d %n", product1.getQuantity());
System.out.println("-----------------------");
```

```
Product
-------------------------
Name: Coca Cola
Name: 18.99
Name: 100
-------------------------

Process finished with exit code 0
```


Product.java
Main.java
int quantity;
/**
* Get the name of the product
* @return the current name of the product
* @author Alan Badillo Salas
*/
1 usage
public String getName() {
return name;
}
/**
* Set the name of the product
* @param name the new name of the product.
* @author Alan Badillo Salas
*/
1 usage
public void setName(String name) {
this.name = name;
}

```
Product product1 = new Product();

product1.setName("Coca Cola");
product1.setPr
product1.setQu

System.out.pri
System.out.pri                                    ----");
System.out.pri                                    t1.getName());
System.out.printf("Name: %.2f %n", product1.getPrice());
System.out.printf("Name: %d %n", product1.getQuantity());
System.out.println("-----------------------");
```

Product

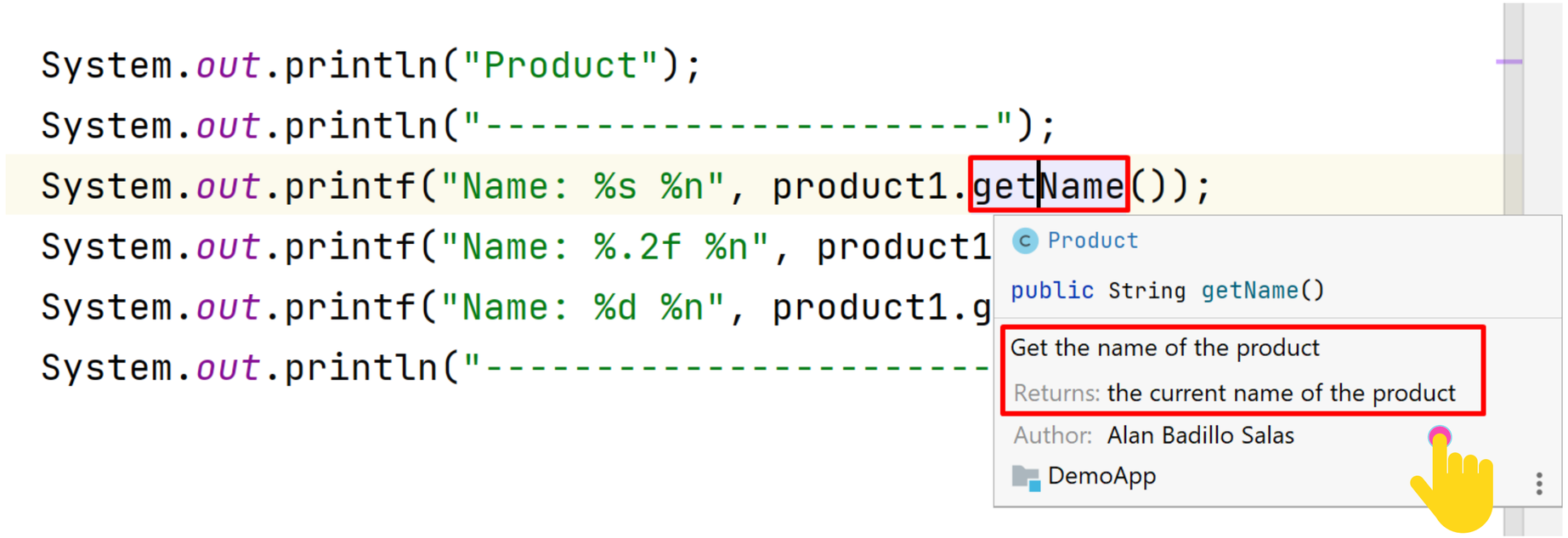
```
public void setName(
    String name
)
```

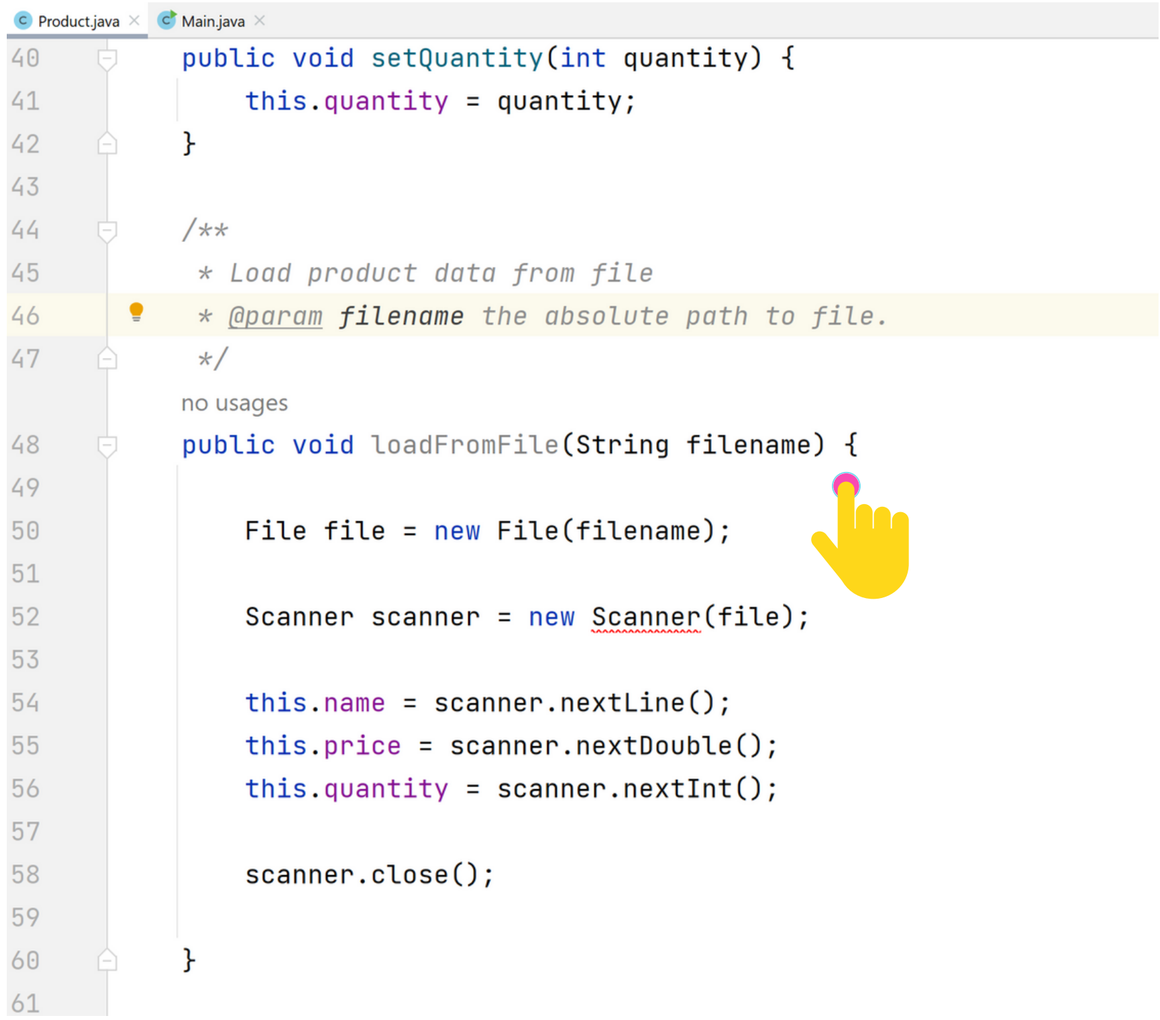
Set the name of the product

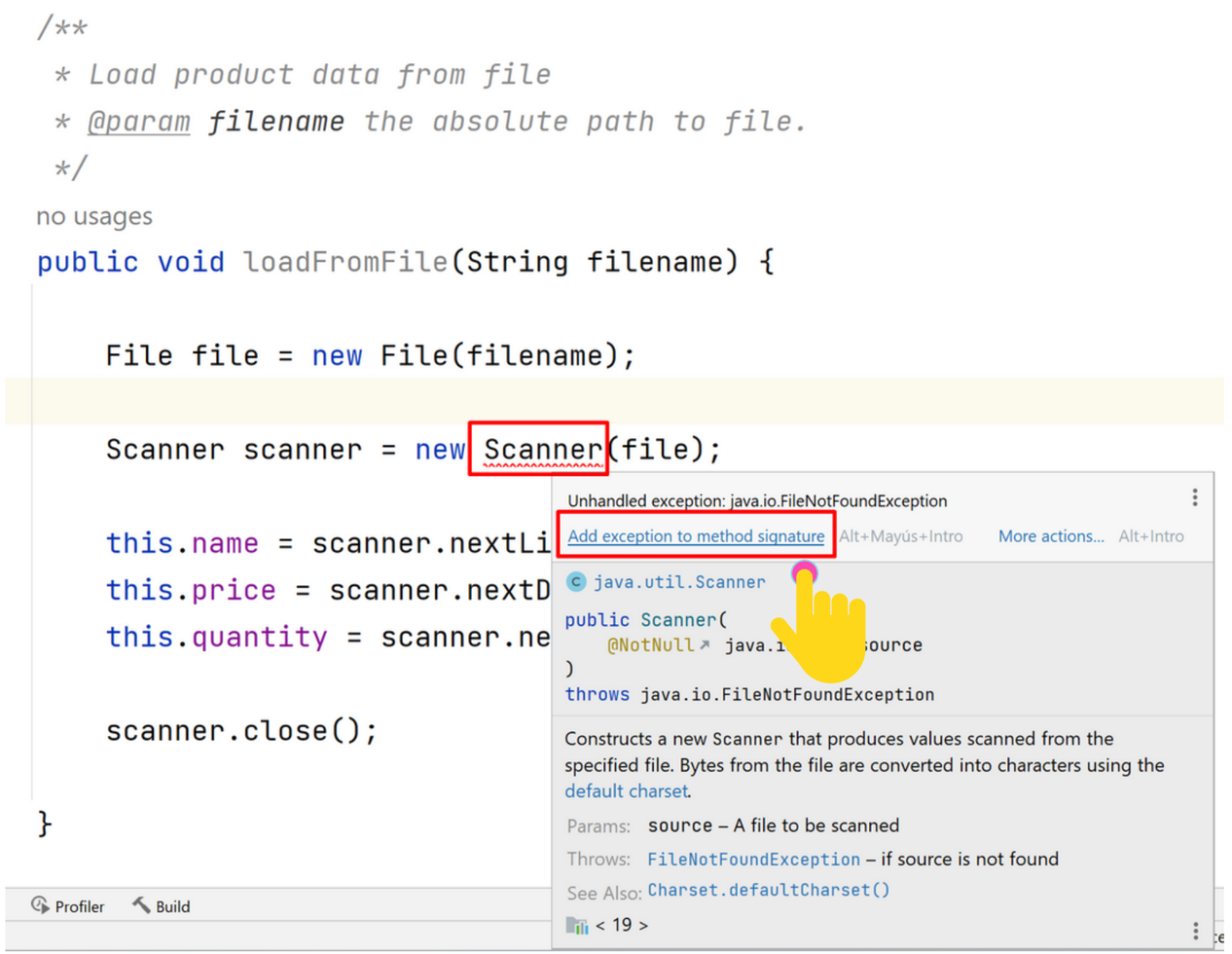
Params: name – the new name of the product.

Author: Alan Badillo Salas

DemoApp


System.out.println("Product");
System.out.println("-----------------------");
System.out.printf("Name: %s %n", product1.getName());
System.out.printf("Name: %.2f %n", product1
System.out.printf("Name: %d %n", product1.g
System.out.println("-----------------------
Product
public String getName()
Get the name of the product
Returns: the current name of the product
Author: Alan Badillo Salas
DemoApp


Product.java
Main.java
40 public void setQuantity(int quantity) {
41 this.quantity = quantity;
42 }
43
44 /**
45 * Load product data from file
46 * @param filename the absolute path to file.
47 */
no usages
48 public void loadFromFile(String filename) {
49
50 File file = new File(filename);
51
52 Scanner scanner = new Scanner(file);
53
54 this.name = scanner.nextLine();
55 this.price = scanner.nextDouble();
56 this.quantity = scanner.nextInt();
57
58 scanner.close();
59
60 }
61


/**
* Load product data from file
* @param filename the absolute path to file.
*/
no usages
public void loadFromFile(String filename) {
File file = new File(filename);
Scanner scanner = new Scanner(file);
this.name = scanner.nextLi
this.price = scanner.nextD
this.quantity = scanner.ne
scanner.close();
}
Unhandled exception: java.io.FileNotFoundException
Add exception to method signature
Alt+Mayús+Intro
More actions...
Alt+Intro
java.util.Scanner
public Scanner(
@NotNull
)
throws java.io.FileNotFoundException
Constructs a new Scanner that produces values scanned from the specified file. Bytes from the file are converted into characters using the default charset.
Params: source – A file to be scanned
Throws: FileNotFoundException – if source is not found
See Also: Charset.defaultCharset()
< 19 >
Profiler
Build

```java
/**
 * Load product data from file
 * @param filename the absolute path to file.
 */
no usages
public void loadFromFile(String filename) throws FileNotFoundException {

    File file = new File(filename);

    Scanner scanner = new Scanner(file);

    this.name = scanner.nextLine();
    this.price = scanner.nextDouble();
    this.quantity = scanner.nextInt();

    scanner.close();

}
```

```
Product product1 = new Product();

//product1.setName("Coca Cola");
//product1.setPrice(18.99);
//product1.setQuantity(100);

product1.loadFromFile( filename: "D:\\data\\product.txt");

System.out.println("Product");
System.out.println("----------------------");
System.out.printf("Name: %s %n", product1.getName());
System.out.printf("Name: %.2f %n", product1.getPrice());
System.out.printf("Name: %d %n", product1.getQuantity());
System.out.println("----------------------");
```


Product.java
Main.java
no usages
1
public class Main {
no usages
public static void main(String[] args) {
Product product1 = new Product();
//product1.setName("Coca Cola");
//product1.setPrice(18.99);
//product1.setQuantity(100);
product1.loadFromFile(filename: "D:\\data\\product.txt");
System.out.prin
System.out.prin
System.out.prin
System.out.prin
System.out.prin
System.out.prin
}
}
Unhandled exception: java.io.FileNotFoundException
Add exception to method signature
Alt+Mayús+Intro
More actions...
Alt+Intro
Product
public void l File(
String f
)
throws FileNotFoundException
Load product data from file
Params: filename – the absolute path to file.
Throws: FileNotFoundException
DemoApp

```java
public static void main(String[] args) throws FileNotFoundException {

    Product product1 = new Product();

    //product1.setName("Coca Cola");
    //product1.setPrice(18.99);
    //product1.setQuantity(100);

    product1.loadFromFile( filename: "D:\\data\\product.txt");

    System.out.println("Product");
    System.out.println("----------------------");
    System.out.printf("Name: %s %n", product1.getName());
    System.out.printf("Name: %.2f %n", product1.getPrice());
    System.out.printf("Name: %d %n", product1.getQuantity());
    System.out.println("----------------------");

}
```

```
Product
-------------------------
Name: Coca Cola
Name: 17.50
Name: 12345
-------------------------

Process finished with exit code 0
```