

JAVA PROGRAMMING COURSE

EXERCISE

JAVADOC IN JAVA

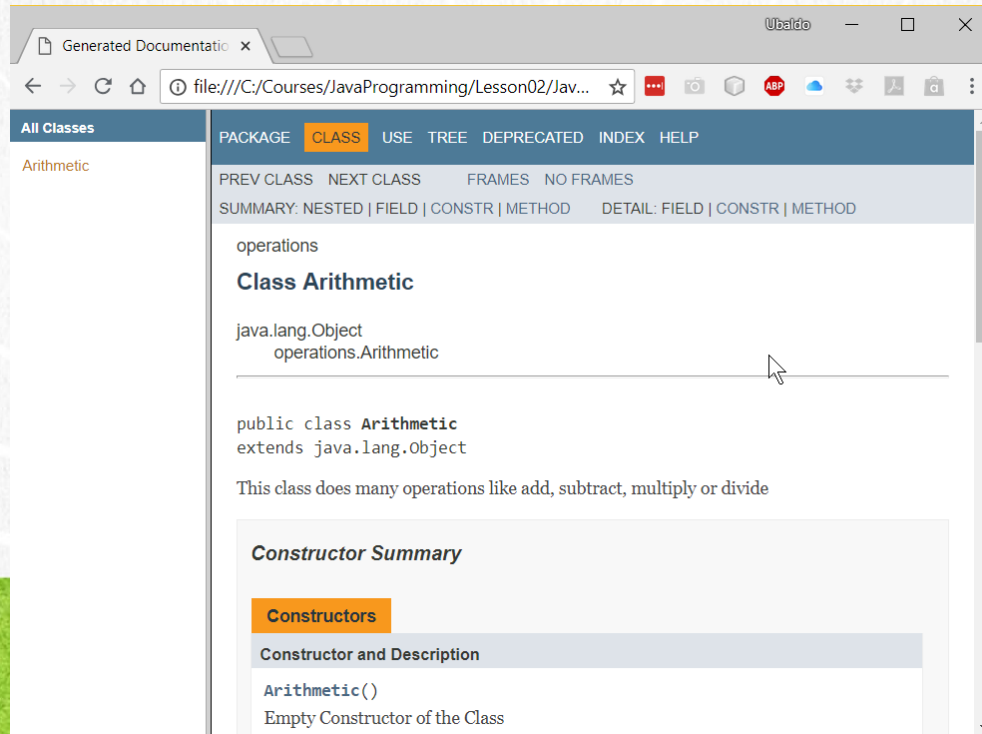


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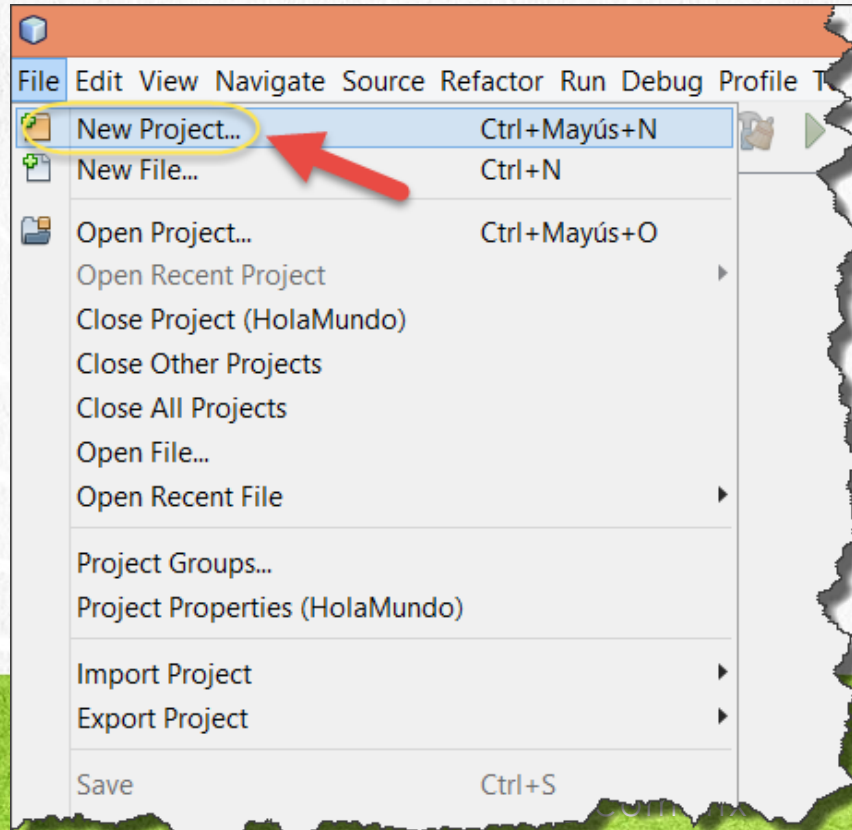
EXERCISE OBJECTIVE

Create a program to practice in JavaDoc management in Java.
At the end we should observe the following:



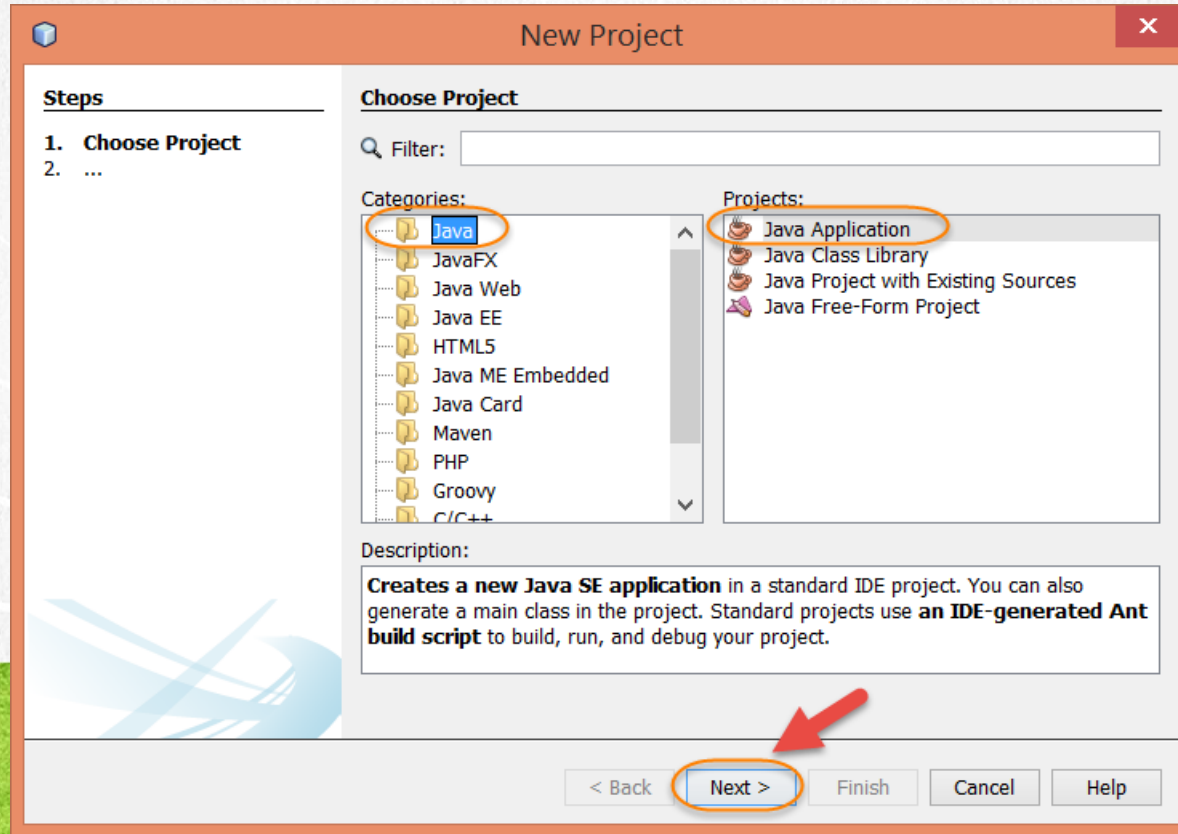
1. CREATE A NEW PROJECT

Create the JavaDoc project:



1. CREATE A NEW PROJECT (CONT)

Create the JavaDoc project:



1. CREATE A NEW PROJECT (CONT)

Create the JavaDoc project:

New Java Application

Steps

1. Choose Project
2. **Name and Location**

Name and Location

Project Name:

Project Location:

Project Folder:

☐ Use Dedicated Folder for Storing Libraries

Libraries Folder:

Different users and projects can share the same compilation libraries (see Help for details).

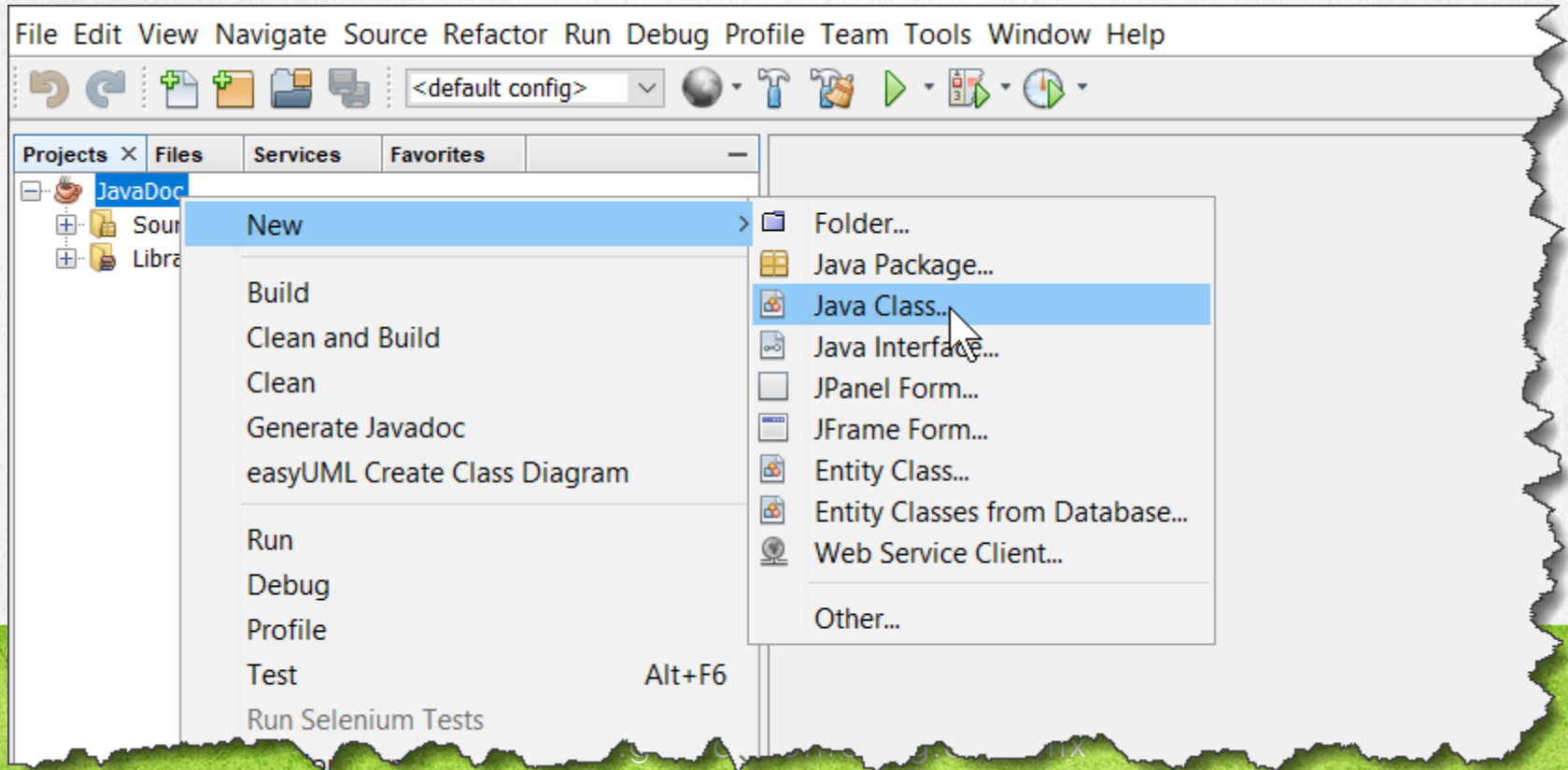
☐ **Create Main Class**

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2. CREATE A NEW CLASS

Create a new class:



2. CREATE A NEW CLASS(CONT)

Create a new class:

New Java Class

Steps

1. Choose File Type
2. **Name and Location**

Name and Location

Class Name: Arithmetic

Project: JavaDoc

Location: Source Packages

Package: operations

Created File: C:\Courses\JavaProgramming\Lesson02\JavaDoc\src\operations\Arithmetic.java

< Back Next > **Finish** Cancel Help

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3. MODIFY THE CODE

Arithmetic.java:

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```
package operations;

/**
 * This class does many operations like add, subtract, multiply or divide
 * @author: Ubaldo Acosta
 * @version: 1.0
 */
public class Arithmetic {

    /**
     * First Operand
     */
    int operandA;

    /**
     * Second operand
     */
    int operandB;

    /**
     * Empty Constructor of the Class
     */
    public Arithmetic() {
    }
}
```


3. MODIFY THE CODE

Arithmetic.java:

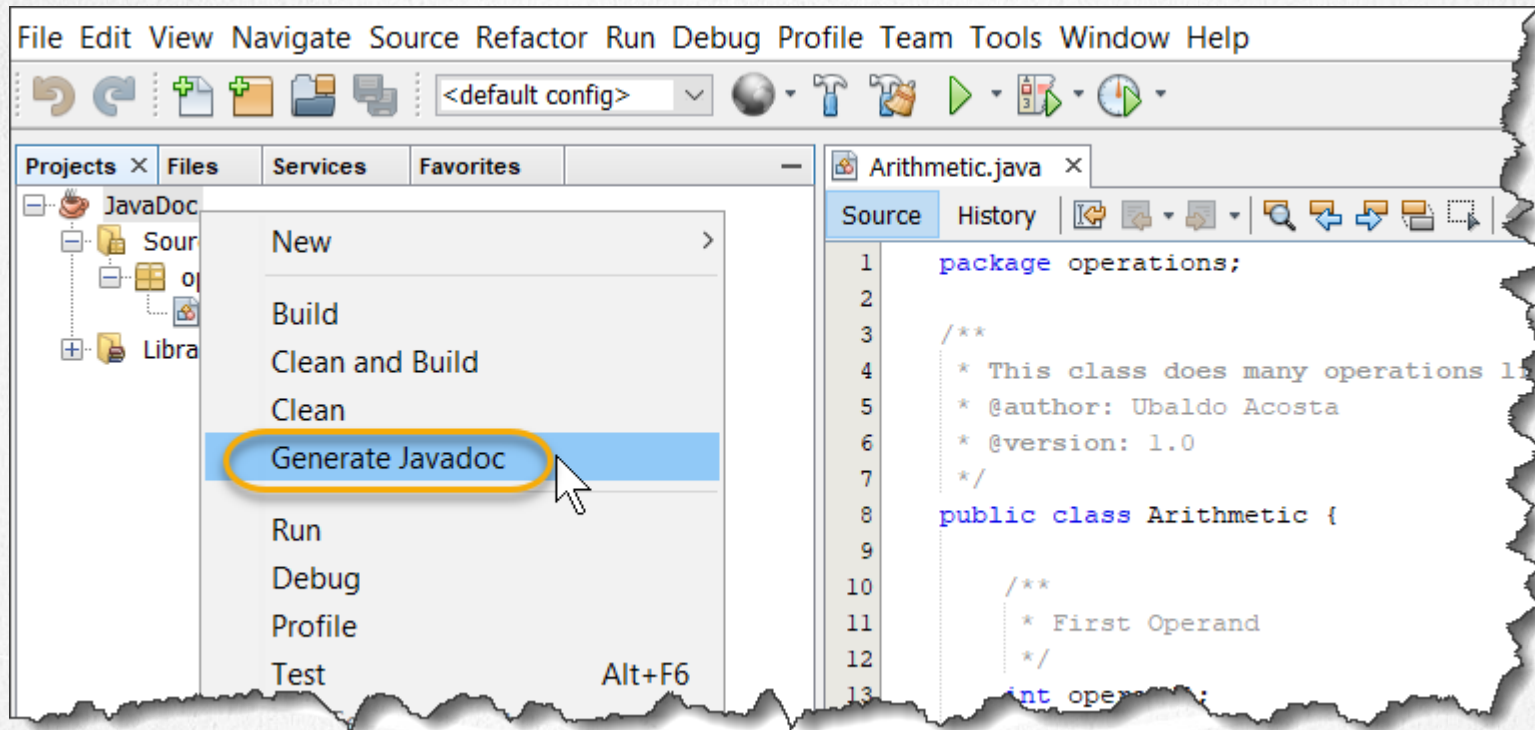
Click to download

```
/**
 * This methods does the addition of 2 integer operands
 * @return int add result
 */
public int add(){
    return operandA + operandB;
}
```

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4. CREATE THE JAVADOC



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5. WATCH THE JAVADOC

The screenshot shows a web browser window with the address bar displaying the file path: `file:///C:/Courses/JavaProgramming/Lesson02/Jav...`. The browser's title bar shows the name "Ubaldo". The page content is the Javadoc for the `Class Arithmetic`. The left sidebar lists "All Classes" with "Arithmetic" selected. The main content area has a navigation bar with tabs: "PACKAGE", "CLASS" (selected), "USE", "TREE", "DEPRECATED", "INDEX", and "HELP". Below this are links for "PREV CLASS", "NEXT CLASS", "FRAMES", and "NO FRAMES". A summary bar shows "SUMMARY: NESTED | FIELD | CONSTR | METHOD" and "DETAIL: FIELD | CONSTR | METHOD". The main content area starts with the text "operations" followed by the class title "Class Arithmetic". Below this is the inheritance path: `java.lang.Object` and `operations.Arithmetic`. A horizontal line separates this from the class declaration: `public class Arithmetic` and `extends java.lang.Object`. A paragraph follows: "This class does many operations like add, subtract, multiply or divide". At the bottom, there is a section titled "Constructor Summary" with a sub-section "Constructors" containing a table with the constructor `Arithmetic()` and its description "Empty Constructor of the Class".

Generated Documentatio x

Ubaldo

file:///C:/Courses/JavaProgramming/Lesson02/Jav...

All Classes

Arithmetic

PACKAGE CLASS USE TREE DEPRECATED INDEX HELP

PREV CLASS NEXT CLASS FRAMES NO FRAMES

SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

operations

Class Arithmetic

java.lang.Object
operations.Arithmetic

public class **Arithmetic**
extends java.lang.Object

This class does many operations like add, subtract, multiply or divide

Constructor Summary

Constructors

Constructor and Description
<code>Arithmetic()</code> Empty Constructor of the Class

EXERCISE CONCLUSION

- With this exercise we have put into practice in concept of JavaDoc.
- We have seen that it is used to document our classes, and unlike a common comment like `//` or `/** */`, the JavaDoc comment is `/** */` and this comment is added to the HTML documentation generated for the project in question.



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ONLINE COURSE

JAVA PROGRAMMING

By: Eng. Ubaldo Acosta



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