

JAVA PROGRAMMING COURSE

JAVADOC IN JAVA



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Hello, Ubaldo Acosta greets you. Welcome or welcome again. I hope you're ready to start with this one.

We are going to study the subject how to document a program in Java using JavaDoc.

Are you ready? OK let's go!

JAVADOC EN JAVA

Cómo documentar una clase usando Javadoc:

```
/**
 * 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() {
    }
```

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

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

Java allows us to document our classes through Javadoc, which is an HTML document that shows the documentation of each of the classes of a Java project.

We can see that unlike the normal Java comments, for our comments to be a comment that is included in the generated HTML document, it is necessary that the comments have the form:

```
/**
 * Comment Javadoc
 */
```

And in this way you can document either the class (before the declaration of the same), an attribute, a constructor or a method.

The sheet shows several examples of how to document each of the sections of our class.

We can also observe that some elements can be used to indicate some more characteristics of the documentation, such as @autor, @version, @return, or more. In the next slide we will see these elements.

ESCAPE CHARACTERS WHEN USING STRINGS

Label	Description
@author	Name of the author of the program.
@deprecated	Indicates that the item is obsolete, belongs to previous versions and its use is not recommended.
@param	Definition of a parameter of a method.
@return	Description of what the method returns, it is not used in Constructors or "void" methods.
@see	Indicates that it is associated with another method or class.
@version	Version of the method or class.

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In the table shown we can see the elements that can be used when documenting our classes.

Each one of the described elements has a brief description so that we have knowledge of what it means and in the exercise of this lesson we will see some examples of the use of several of these elements.

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