

JAVA PROGRAMMING COURSE

SYSTEM PROPERTIES IN JAVA



By the expert: Ubaldo Acosta



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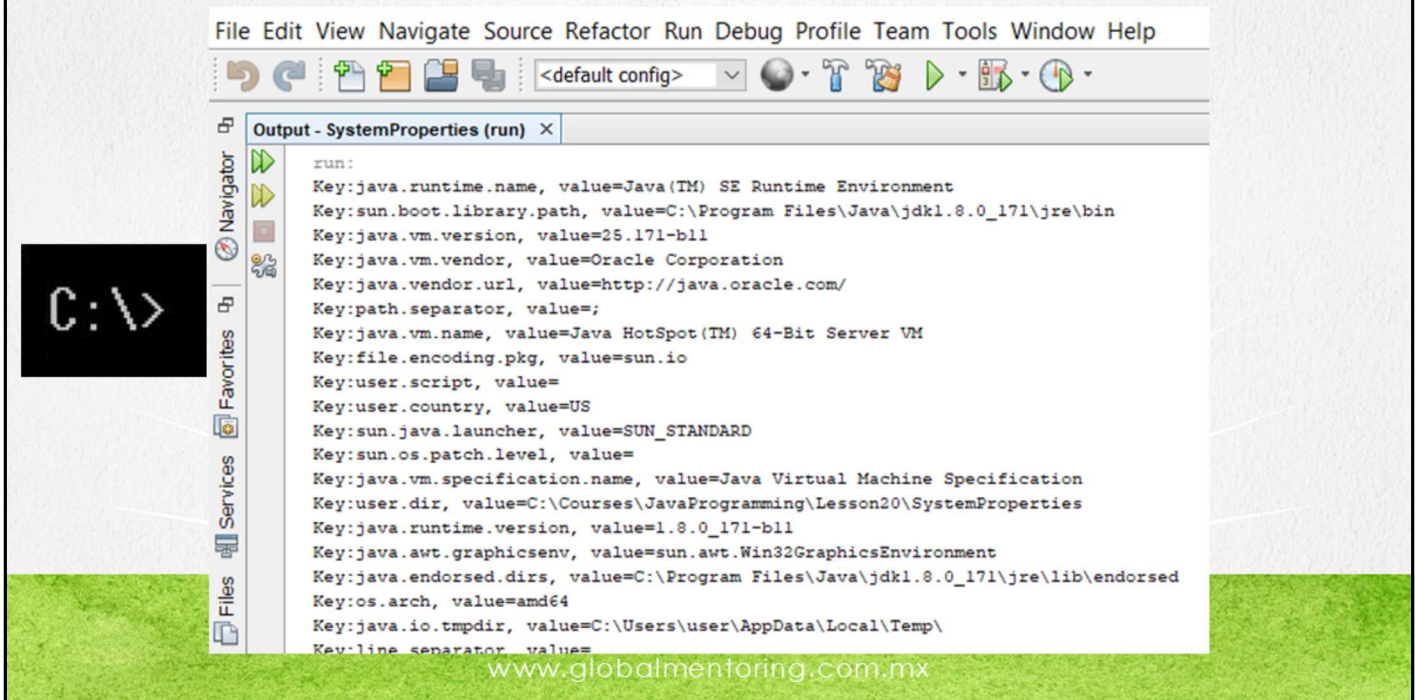
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Hello, Ubaldo Acosta greets you. Welcome again. I hope you're ready to start with this lesson.

We are going to study the topic of system properties in Java.

Are you ready? OK let's go!

SYSTEM PROPERTIES IN JAVA



The screenshot shows an IDE window titled "Output - SystemProperties (run) x". The output displays the following system properties:

```
run:
Key:java.runtime.name, value=Java(TM) SE Runtime Environment
Key:sun.boot.library.path, value=C:\Program Files\Java\jdk1.8.0_171\jre\bin
Key:java.vm.version, value=25.171-b11
Key:java.vm.vendor, value=Oracle Corporation
Key:java.vendor.url, value=http://java.oracle.com/
Key:path.separator, value=;
Key:java.vm.name, value=Java HotSpot(TM) 64-Bit Server VM
Key:file.encoding.pkg, value=sun.io
Key:user.script, value=
Key:user.country, value=US
Key:sun.java.launcher, value=SUN_STANDARD
Key:sun.os.patch.level, value=
Key:java.vm.specification.name, value=Java Virtual Machine Specification
Key:user.dir, value=C:\Courses\JavaProgramming\Lesson20\SystemProperties
Key:java.runtime.version, value=1.8.0_171-b11
Key:java.awt.graphicsenv, value=sun.awt.Win32GraphicsEnvironment
Key:java.endorsed.dirs, value=C:\Program Files\Java\jdk1.8.0_171\jre\lib\endorsed
Key:os.arch, value=amd64
Key:java.io.tmpdir, value=C:\Users\user\AppData\Local\Temp\
Key:line.separator, value=
```

A black box with the text "C:\\" is visible on the left side of the IDE window. The URL "www.globalmentoring.com.mx" is visible at the bottom of the IDE window.

In this lesson we are going to study how to obtain the properties of the system. The properties of the system, is similar to the concept of the environment variables of the operating system.

Depending on the operating system in which we are working, the properties of the system may vary.

The `System.getProperties ()` method returns an object of type `Properties`, which is similar to a map (`Map`), and each item in the list has a key and a value associated with that key.

We can use these values to execute some code based on some value associated, for example, to the operating system we are working on, the Java version, the file system type, etc. Let's see an example of how to visualize the properties of the system.

ONLINE COURSE

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