

# Installing the Java Development Kit: Windows Guide

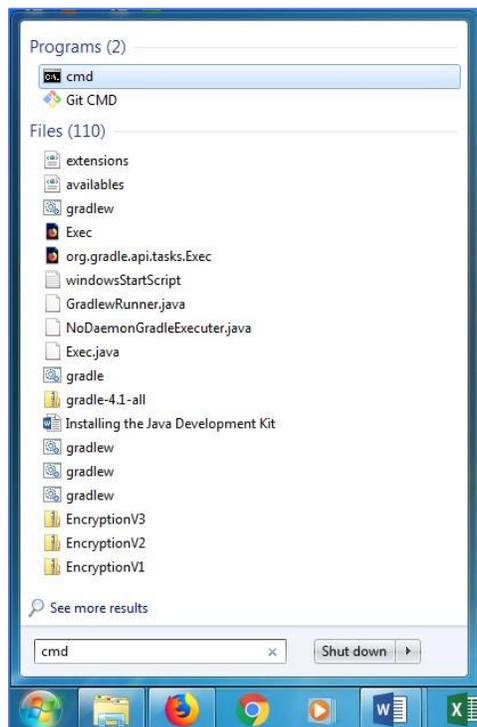
## 1. Check if you have Java on your computer

### Open the Terminal

Before you start, you will need to open a program on your computer called the Terminal. To do this, go to the Task Bar at the bottom of your computer screen, click **Start**, and navigate to the **Search programs and files** dialog box...



Type **cmd** in the dialog box. (Your search/box might look slightly different, depending on what version of Windows your computer is running.) Click on the cmd result with the black box next to it. This will open the Terminal window.



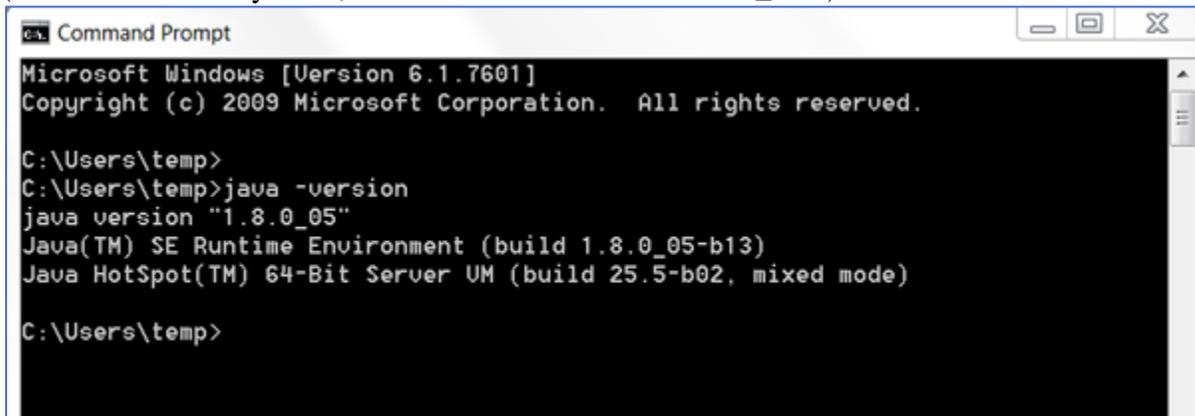
## Use the Terminal to find information

Now you are ready to check if you have the Java Development Kit, version 7 or greater, already installed on your computer. To check if you have JDK installed (and which version), open a terminal window and type: `java -version`

Then hit enter.

The example below shows Java version **8.0\_05** -- the version number comes after the “1.”

(Note: As of January 2019, the most recent version was **8.0\_191**.)



```
Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\temp>
C:\Users\temp>java -version
java version "1.8.0_05"
Java(TM) SE Runtime Environment (build 1.8.0_05-b13)
Java HotSpot(TM) 64-Bit Server VM (build 25.5-b02, mixed mode)

C:\Users\temp>
```

If you have Java 7 or greater, you can now install Android Studio.

If the JDK is **not** available, or the version is lower than 7, go on to Step 2, below.

## 2. Download the Java Development Kit

Download the Java Development Kit, aka, the JDK, from [this page](#).

Oracle, the company that maintains Java, has a lot of options and acronyms. Look for the plain old JDK. This is the kit you need to start developing your apps with Java.

You'll see a list of options for download. Go to the **Java SE Development Kit 8u191** menu of options. Do not go to the demos and samples (the menus look very similar, so make sure to read the heading at the top).

## Install

You've got a lot of options here, but you should be selecting one of the Windows OS options.

If your computer is only a few years old, you're most likely going to download the **64-bit option**.

If your computer is a little older you can [follow these instructions](#) to double check.

Typically, you will download the 64-bit option (highlighted below).

Java SE Development Kit 8u191		
You must accept the <a href="#">Oracle Binary Code License Agreement for Java SE</a> to download this software.		
<input type="radio"/> Accept License Agreement <input checked="" type="radio"/> Decline License Agreement		
Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	72.97 MB	<a href="#">jdk-8u191-linux-arm32-vfp-hflt.tar.gz</a>
Linux ARM 64 Hard Float ABI	69.92 MB	<a href="#">jdk-8u191-linux-arm64-vfp-hflt.tar.gz</a>
Linux x86	170.89 MB	<a href="#">jdk-8u191-linux-i586.rpm</a>
Linux x86	185.69 MB	<a href="#">jdk-8u191-linux-i586.tar.gz</a>
Linux x64	167.99 MB	<a href="#">jdk-8u191-linux-x64.rpm</a>
Linux x64	182.87 MB	<a href="#">jdk-8u191-linux-x64.tar.gz</a>
Mac OS X x64	245.92 MB	<a href="#">jdk-8u191-macosx-x64.dmg</a>
Solaris SPARC 64-bit (SVR4 package)	133.04 MB	<a href="#">jdk-8u191-solaris-sparcv9.tar.Z</a>
Solaris SPARC 64-bit	94.28 MB	<a href="#">jdk-8u191-solaris-sparcv9.tar.gz</a>
Solaris x64 (SVR4 package)	134.04 MB	<a href="#">jdk-8u191-solaris-x64.tar.Z</a>
Solaris x64	92.13 MB	<a href="#">jdk-8u191-solaris-x64.tar.gz</a>
Windows x86	197.34 MB	<a href="#">jdk-8u191-windows-i586.exe</a>
Windows x64	207.22 MB	<a href="#">jdk-8u191-windows-x64.exe</a>

Accept the license agreement, and download it. Once you've downloaded it, go ahead and double click it to install.

## 3: Verify that Java is Installed

Go back to **Step 1** and follow the instructions to open your Terminal and verify that you have Java version 7 or higher installed.

**Do not move on with Android Studio install until after you have installed the JDK.** Without a working copy of Java, the rest of the process will not work. If you can't get the download to work, look for error messages, and try googling to find a solution.