

# Installing JDK

## 1. Check to see if you have JDK already

- Open a terminal\* and type:

```
> javac
```

- If you get a message telling you that javac cannot be found, recognized, located etc... it means that you don't have it and you need to go to step 2
- If you get the following response:

```
Usage: javac <options> <source files>
where possible options include:
  -g                Generate all debugging info
  -g:none           Generate no debugging info
  -g:{lines,vars,source} Generate only some debugging info
  -nowarn           Generate no warnings
  -verbose          Output messages about what the compiler is doing
  -deprecation      Output source locations where deprecated APIs are used
  -classpath <path> Specify where to find user class files and annotation processors
  -cp <path>        Specify where to find user class files and annotation processors
  -sourcepath <path> Specify where to find input source files
  -bootclasspath <path> Override location of bootstrap class files
  -extdirs <dirs>   Override location of installed extensions
  -endorseddirs <dirs> Override location of endorsed standards path
  -proc:{none,only} Control whether annotation processing and/or compilation is done.
  -processor <class1>[,<class2>,<class3>...] Names of the annotation processors to run
  -processorpath <path> Specify where to find annotation processors
  -d <directory>    Specify where to place generated class files
  -s <directory>    Specify where to place generated source files
  -implicit:{none,class} Specify whether or not to generate class files for implicitly referenced files
  -encoding <encoding> Specify character encoding used by source files
  -source <release>  Provide source compatibility with specified release
  -target <release>  Generate class files for specific VM version
  -version           Version information
  -help             Print a synopsis of standard options
  -Akey[=value]     Options to pass to annotation processors
  -X                Print a synopsis of nonstandard options
  -J<flag>          Pass <flag> directly to the runtime system
```

This means that you are all set.

**\* To open a terminal in:**

<b>Mac OS</b>	Go to /Applications/Utilities and double click Terminal
<b>Linux</b>	There are many distributions, so try one of these methods: <ul style="list-style-type: none"><li>• Press ctrl+alt+F1</li><li>• Select the Applications Menu &gt; select Accessories &gt; select Terminal.</li><li>• Right-click on the desktop and select Terminal.</li><li>• If you use KDE, click on the "Konsole" icon on the desktop</li></ul>
<b>Windows</b>	Press win+R and type: "cmd" then hit enter

## 2. Download and install JDK

- Go to [oracle.com](http://www.oracle.com) web site, hover over Downloads, click on [Java for Developers](http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html), Java Platform (JDK), or directly, click on the following link: <http://www.oracle.com/technetwork/java/javase/downloads/jdk7-downloads-1880260.html>
- Click on “ **Accept License Agreement**”
- Choose the link that matches your system. If you have a 32bit Windows click on the x86 version.

## 3. Setting the path to Java (Windows Only)

- In MS Windows. Go to the folder where you installed JDK, and copy the path of the sub directory "bin". The path might look like:

C:\Program Files\Java\jdk1.7\bin

Or

C:\Program Files (x86)\Java\jdk1.7\bin

- Right click "My computer" and choose "Properties", "Advanced System Settings", "Environmental Variables" and then in "System Variables" section look for "Path", select it and click "Edit".
- DO NOT delete the current value, instead, append at the end a semicolon, and paste the path you have copied. Click "OK" and the other "OK" and you are done.

