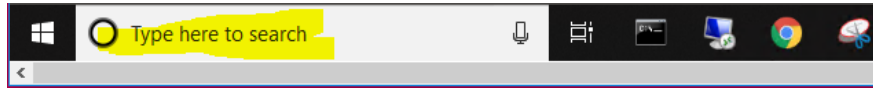


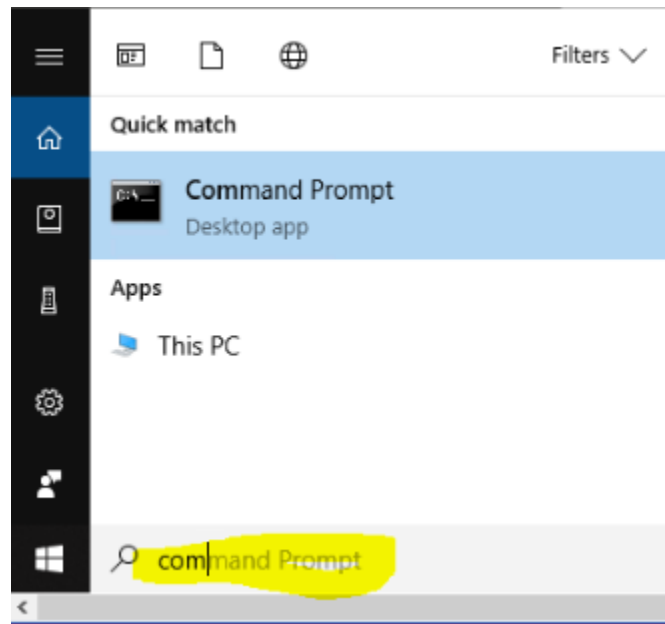
---

## Start A Terminal Window

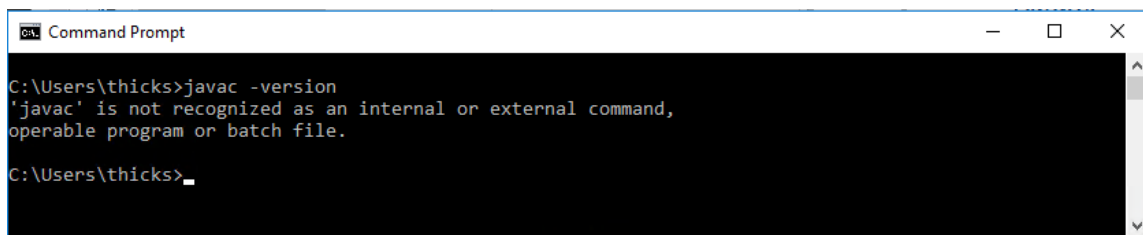
---



- 1] The Terminal Window, in Microsoft, is called the Command Prompt. There are several ways to start a Terminal window; one of which is to enter Com in the search window (bottom left corner of your screen).

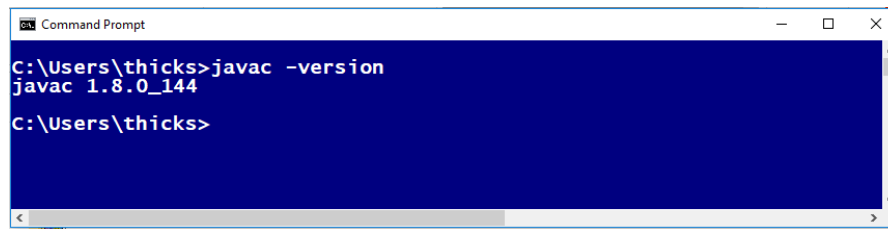


- 2] Enter **com** or **cmd** → double click on the command prompt terminal application.
- 3] The current version of Java is at least 1.12, or so. Scala requires version 8 → (1.8). You might have to uninstall a more recent version.



```
C:\Users\thicks>javac -version
'javac' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\thicks>_
```

- 4] Into the command window enter → **javac -version** to see the current version. You might also enter → **java -version** to see the current version.
- 5] If neither of these produce a java version, then java is not installed. The system above has no Java installed. In order to install scala, I would first have to install Java 1.8.



```

C:\Users\thicks>javac -version
javac 1.8.0_144
C:\Users\thicks>

```

- 6] Krypton has Java 1.8 installed; see the screen capture above. My system is ready to install Scala.
- 7] I was unsuccessful in my efforts to get Scala to install with Java 1.12.
- 8] You can also check “Programs & Features” → in your control panel → to see if you have Java installed.

---

### Install Java JDK 8 (if necessary)

---

- 1] You must have JDK 8 installed on your Windows 10. Install it first if necessary. If you have JDK installed, skip to the Scala install.

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

- 2] Navigate your browser to the link above.

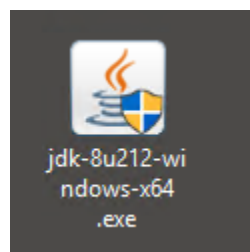
## Java SE Development Kit 8u212

You must accept the [Oracle Technology Network License Agreement for Oracle Java SE](#) to download this software.

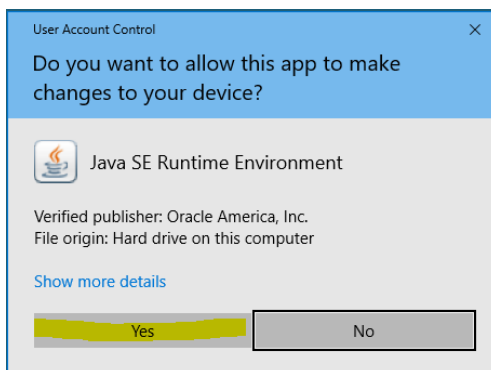
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| Product / File Description          | File Size | Download  |
|-------------------------------------|-----------|---|
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| Solaris SPARC 64-bit (SVR4 package) | 125.06 MB | <a href="#">jdk-8u212-solaris-sparcv9.tar.Z</a>       |
| Solaris SPARC 64-bit                | 88.15 MB  | <a href="#">jdk-8u212-solaris-sparcv9.tar.gz</a>      |
| Solaris x64 (SVR4 package)          | 124.3 MB  | <a href="#">jdk-8u212-solaris-x64.tar.Z</a>           |
| Solaris x64                         | 85.41 MB  | <a href="#">jdk-8u212-solaris-x64.tar.gz</a>          |
| Windows x86                         | 202.64 MB | <a href="#">jdk-8u212-windows-i586.exe</a>            |
| Windows x64                         | 215.26 MB | <a href="#">jdk-8u212-windows-x64.exe</a>             |

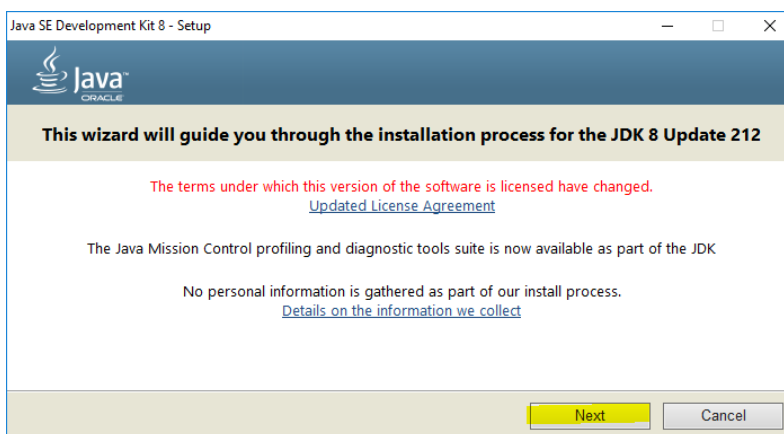
- 3] Once you have accepted the license agreement, download the Mac version of the software to the desktop.



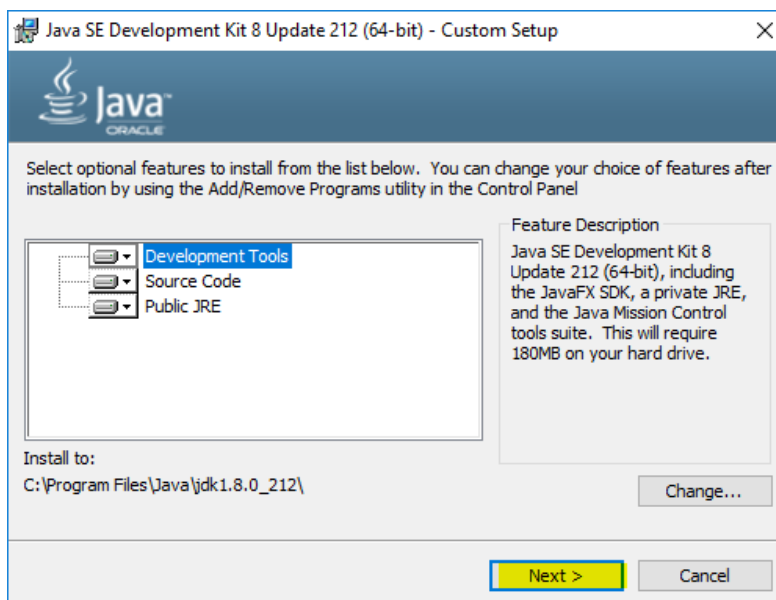
- 4] Using the mouse, double-click on the dmg file. This will open the java installer's folder. You may use any installer for 1.8 Java.



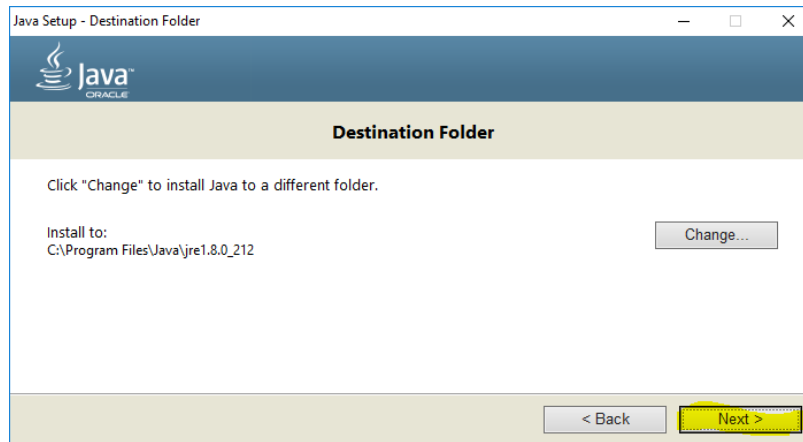
- 5] Using the mouse, push the Yes button..



- 6] Using the mouse, push the Yes button.



- 7] Using the mouse, push the Yes button.



8] Using the mouse, push the Next button.



9] Push the Close button. The software is installed, but you need to Restart your Windows system at this time.

```
Command Prompt
C:\Users\thicks>java -version
java version "1.8.0_212"
Java(TM) SE Runtime Environment (build 1.8.0_212-b10)
Java HotSpot(TM) 64-Bit Server VM (build 25.212-b10, mixed mode)
C:\Users\thicks>
```

10] After you restart, launch a terminal window and Start a terminal window. Enter **java -version**

11] Confirm that you have some version 1.8.

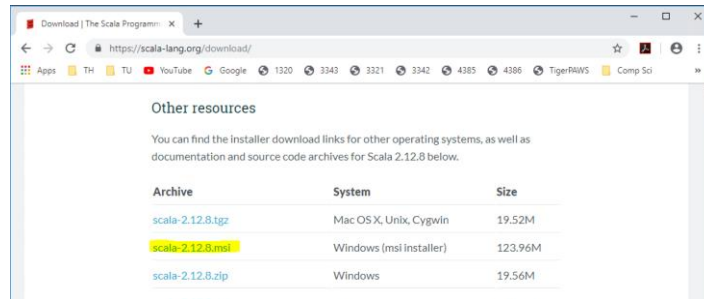
---

## Install Scala

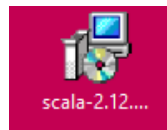
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<https://scala-lang.org/download/>

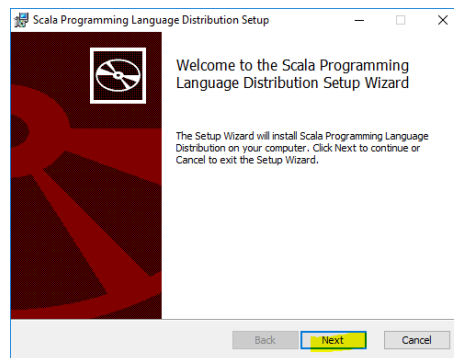
- 1] Navigate your browser to the link above.



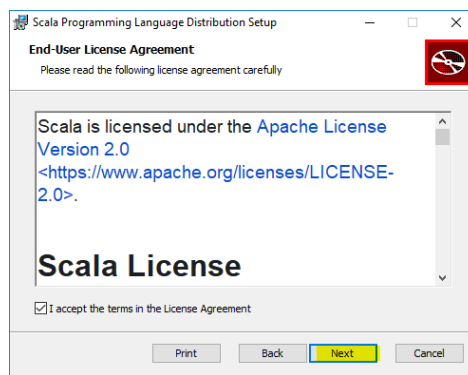
- 2] Under Other Resources, at the bottom of the page, get a copy of the Windows version of the software.



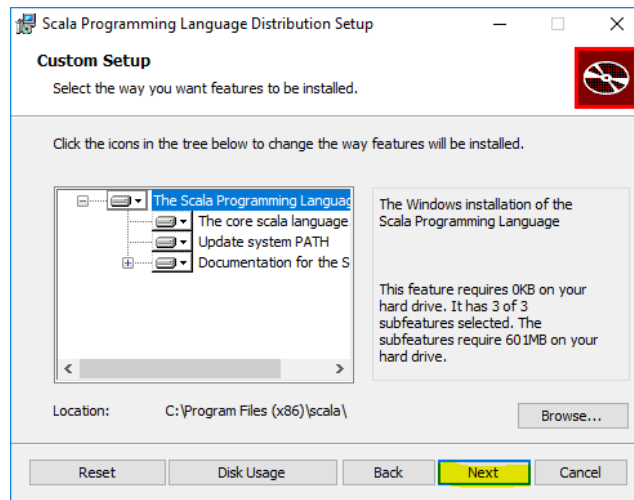
- 3] Download the file to your desktop.



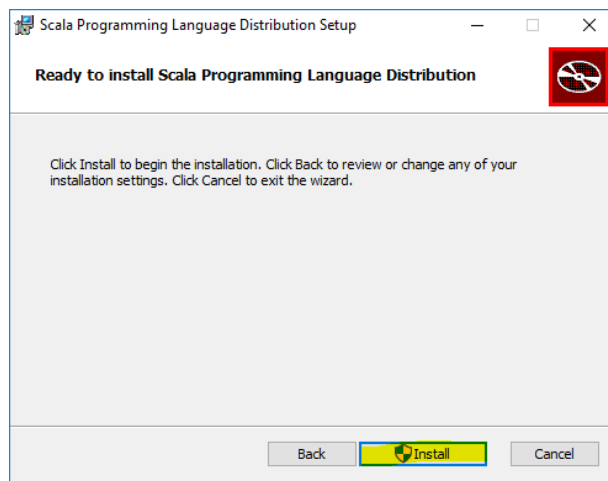
- 4] Using the mouse, push the Next button.



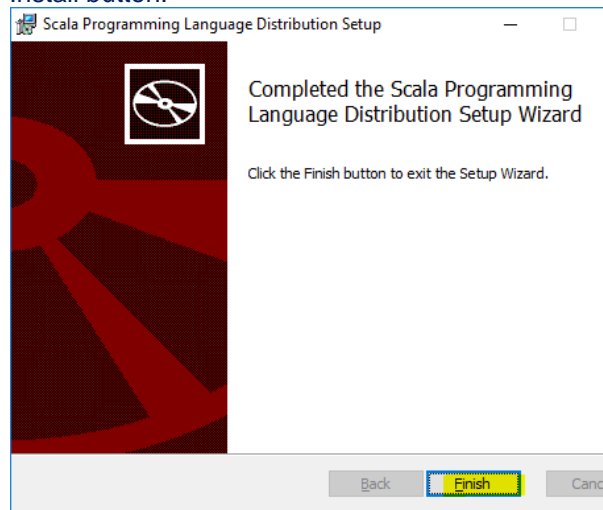
- 5] Using the mouse, push the Next button.



6] Using the mouse, push the Next button.



7] Using the mouse, push the Install button.

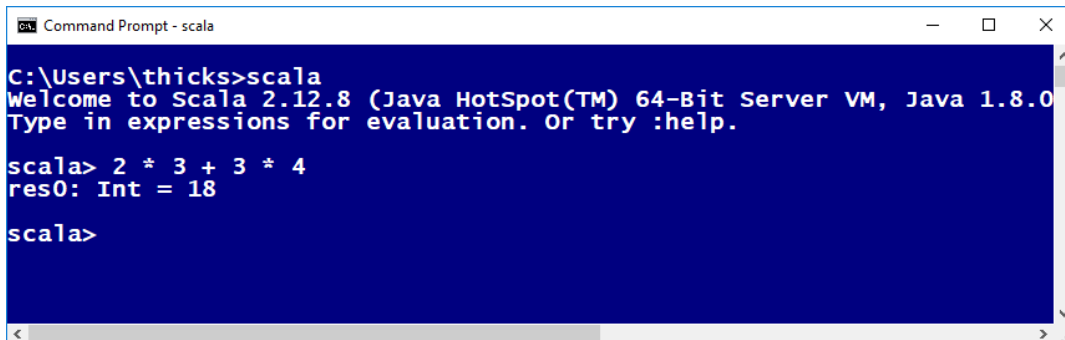


8] Using the mouse, push the Finish button.



```
Command Prompt
C:\Users\thicks>scala
```

- 9] In order for us to successfully run Scala, we have to configure the path to all of the Scala files. This is currently being done by the installer.

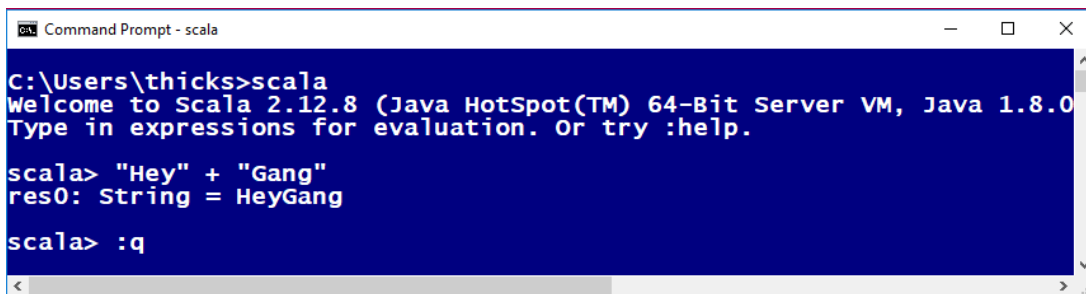


```
Command Prompt - scala
C:\Users\thicks>scala
Welcome to Scala 2.12.8 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0)
Type in expressions for evaluation. Or try :help.

scala> 2 * 3 + 3 * 4
res0: Int = 18

scala>
```

- 10] To start scala, enter → **scala** → in the terminal window. I am up and running. Scala provides an expensive calculator. Enter **2 \* 3 + 3 \* 4** ← you should get **18**.



```
Command Prompt - scala
C:\Users\thicks>scala
Welcome to Scala 2.12.8 (Java HotSpot(TM) 64-Bit Server VM, Java 1.8.0)
Type in expressions for evaluation. Or try :help.

scala> "Hey" + "Gang"
res0: String = HeyGang

scala> :q
```

- 11] You could just close the terminal window when done, but most folks prefer to exit with either → **:q** or → holding the **Control Key** and pressing **C**