




1. Go to <https://www.oracle.com/java/technologies/javase/jdk14-archive-downloads.html>
2. Scroll down to “Java SE Development Kit 14.0.2” downloads and click on correct installer for your computer:

macOS Installer	176.37 MB	For Mac Users	 jdk-14.0.2_osx-x64_bin.dmg
macOS Compressed Archive	176.79 MB		 jdk-14.0.2_osx-x64_bin.tar.gz
Windows x64 Installer	162.11 MB	For Windows Users	 jdk-14.0.2_windows-x64_bin.exe

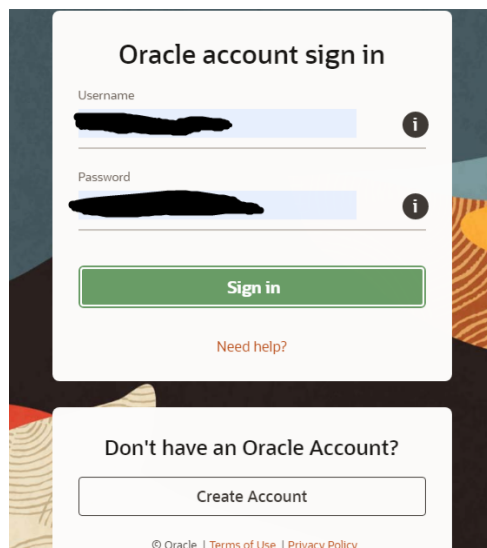
3. Click accept

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

☐ I reviewed and accept the Oracle Technology Network License Agreement for Oracle Java SE Required

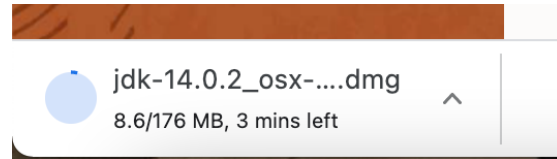
Download [jdk-14_windows-x64_bin.exe](#) 

4. You may need to create an Oracle Account. Follow instructions and then the download should start. If it doesn't start, go back to the downloads page and recheck the installer.



For Mac Users:

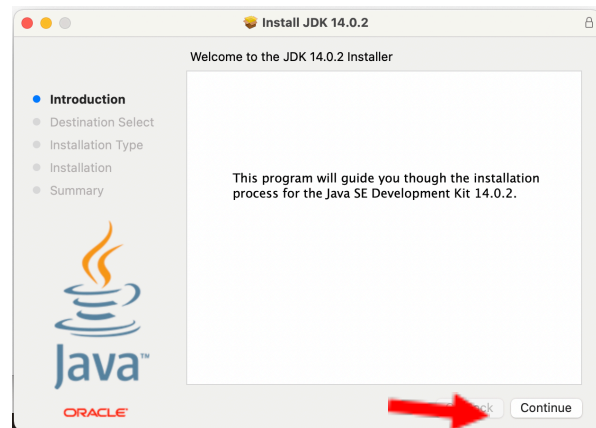
5. Click on the installer.



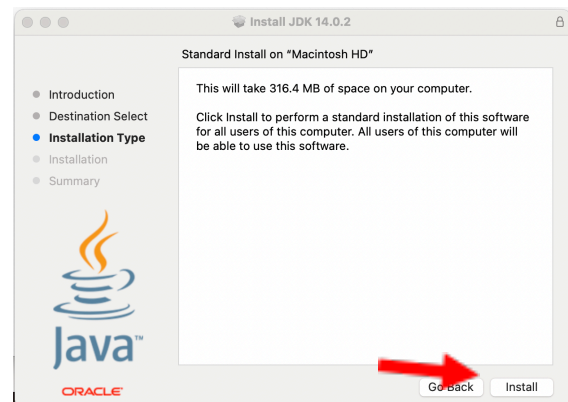
6. Double click the JDK package open



7. Click **Continue**



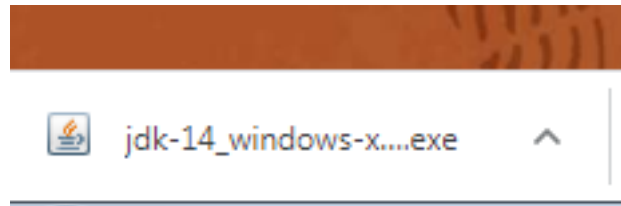
8. Click **install**



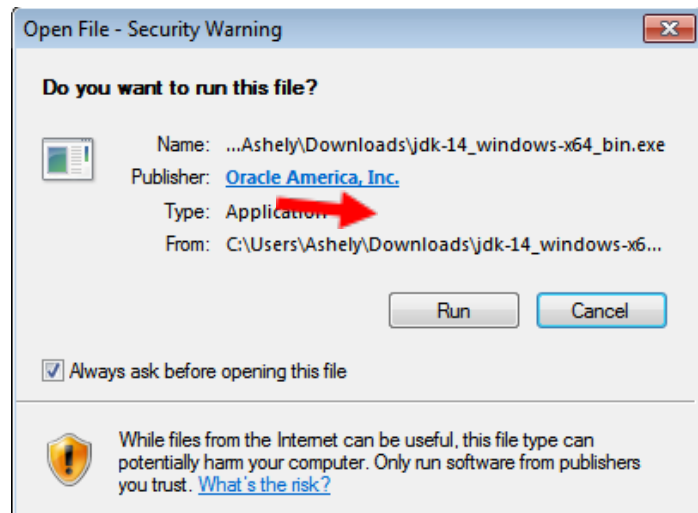
9. Click close. Then skip to **page 10** to verify Java is installed correctly.

For Windows Users:

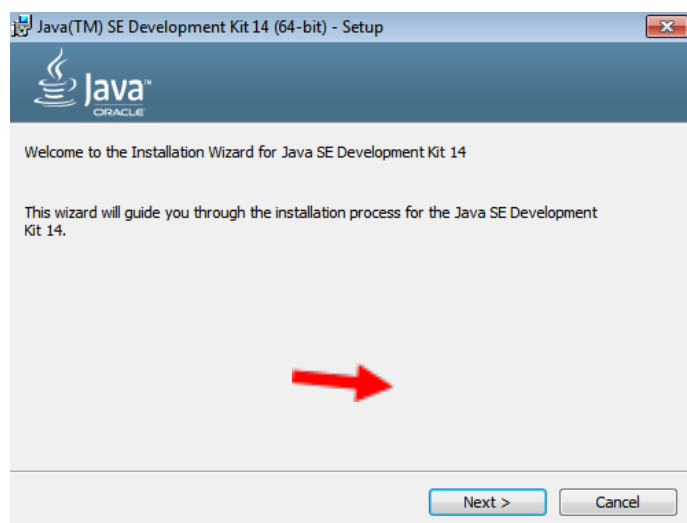
1. Click on the installer.



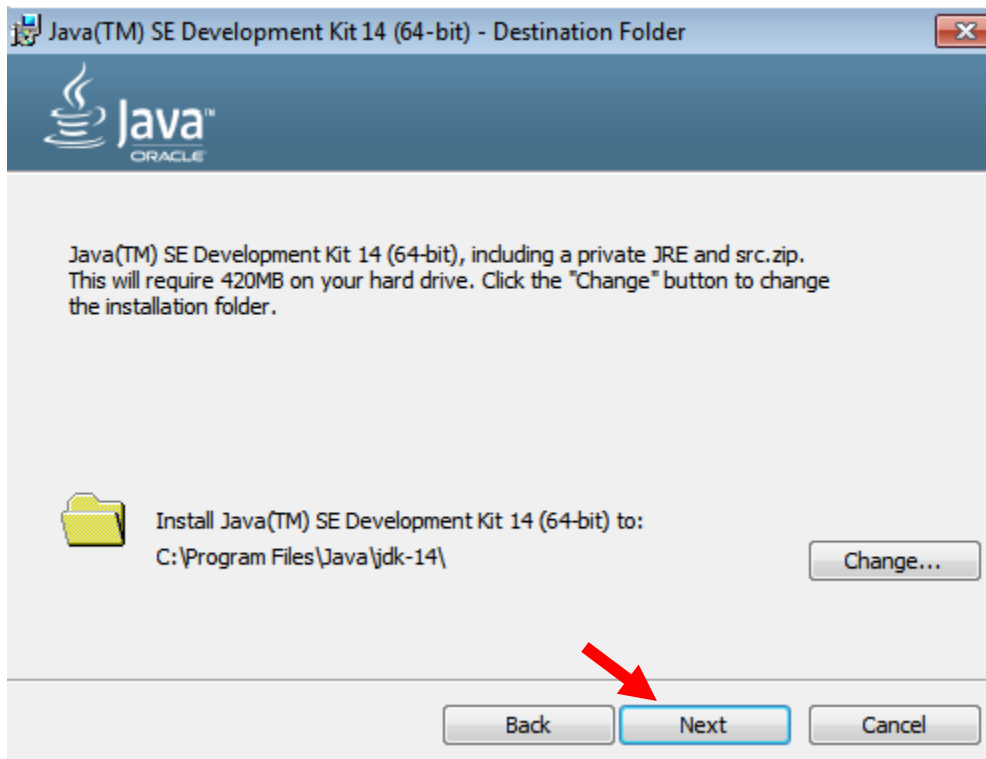
2. Click on **Run**



7. Click on **Next >**



8. Click on Next.



9. Click on Close.



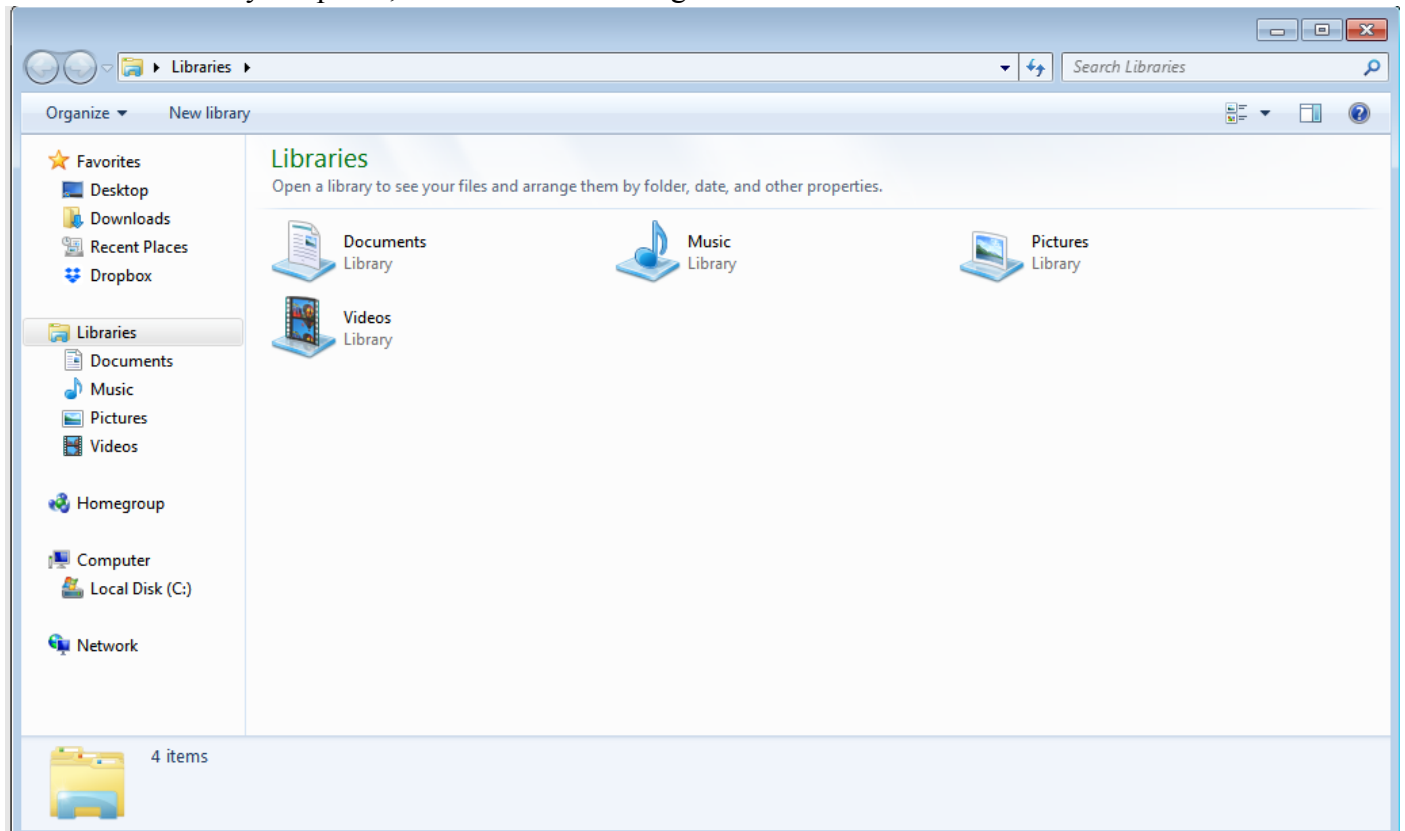
10. Set the Path variable:

a. Go to windows explorer. The icon is

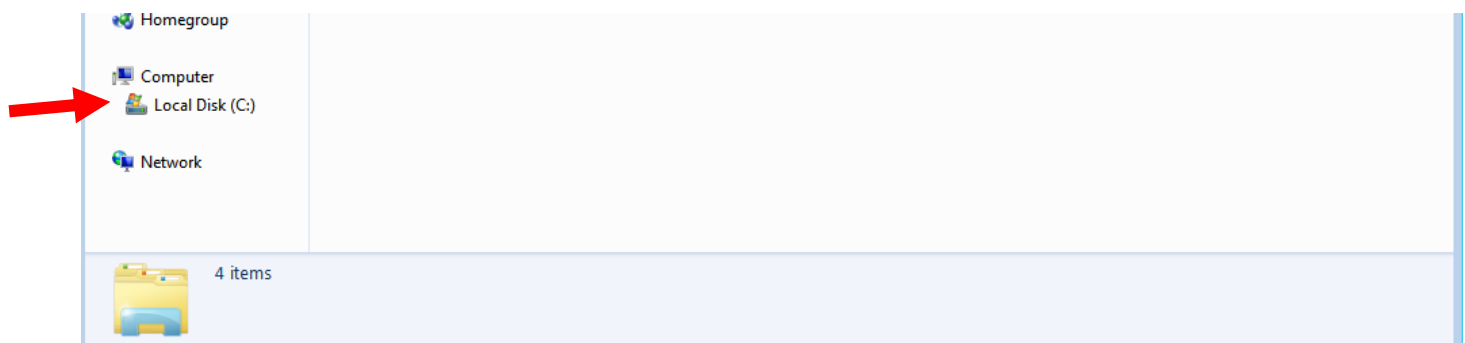


*You can search for windows explorer to find this.

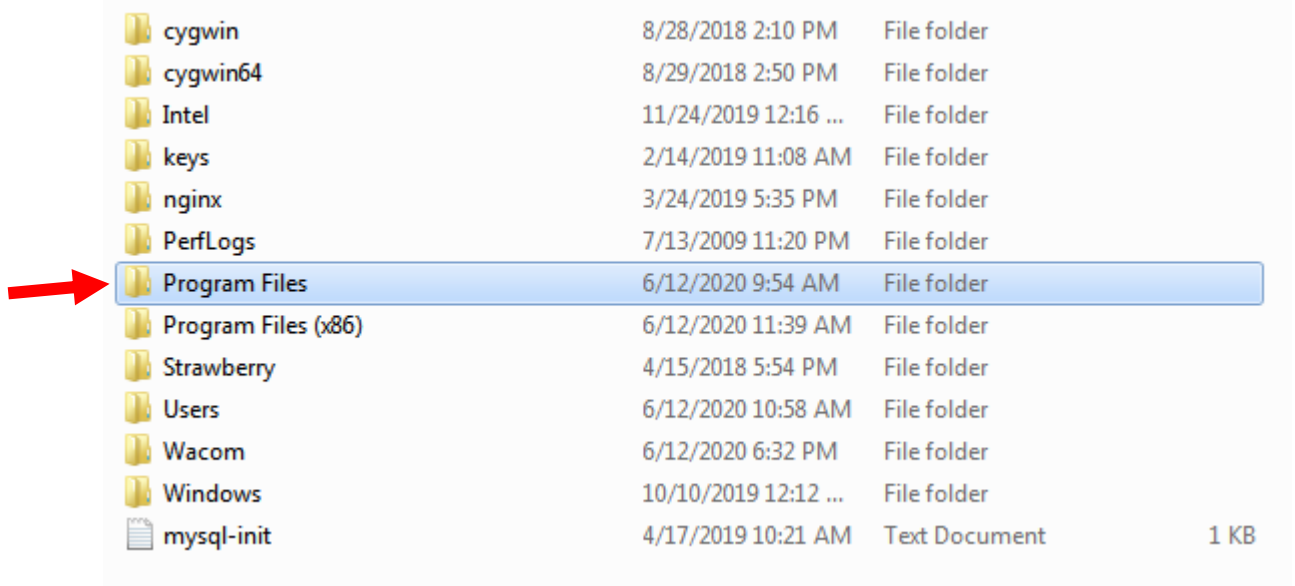
When you open it, it will look something like:
















b. Click on your C: drive

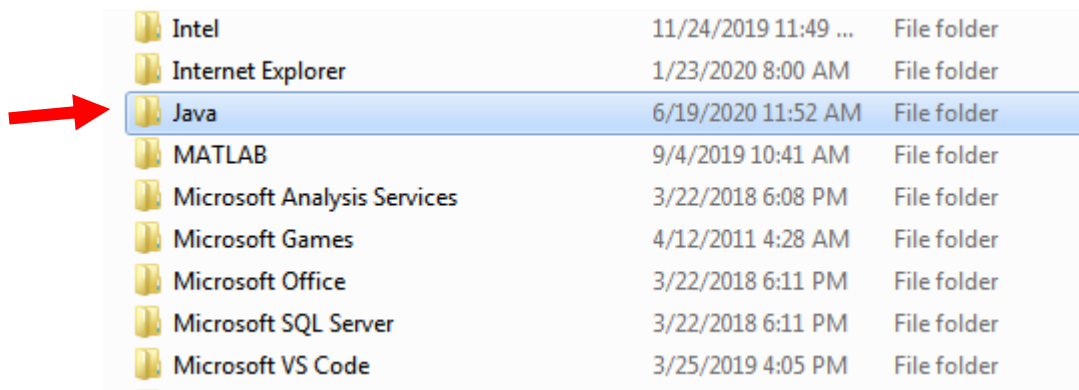











c. Find Program Files and double click it.



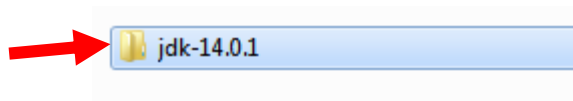
	cygwin	8/28/2018 2:10 PM	File folder	
	cygwin64	8/29/2018 2:50 PM	File folder	
	Intel	11/24/2019 12:16 ...	File folder	
	keys	2/14/2019 11:08 AM	File folder	
	nginx	3/24/2019 5:35 PM	File folder	
	PerfLogs	7/13/2009 11:20 PM	File folder	
	Program Files	6/12/2020 9:54 AM	File folder	
	Program Files (x86)	6/12/2020 11:39 AM	File folder	
	Strawberry	4/15/2018 5:54 PM	File folder	
	Users	6/12/2020 10:58 AM	File folder	
	Wacom	6/12/2020 6:32 PM	File folder	
	Windows	10/10/2019 12:12 ...	File folder	
	mysql-init	4/17/2019 10:21 AM	Text Document	1 KB


d. Find the folder called Java and double click it



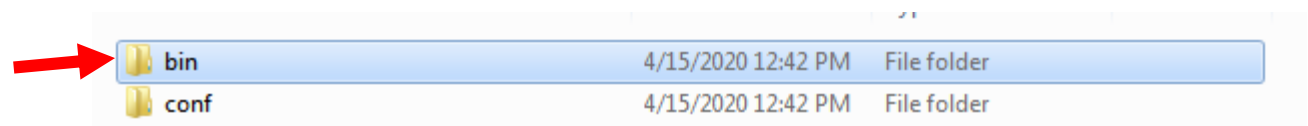
	Intel	11/24/2019 11:49 ...	File folder	
	Internet Explorer	1/23/2020 8:00 AM	File folder	
	Java	6/19/2020 11:52 AM	File folder	
	MATLAB	9/4/2019 10:41 AM	File folder	
	Microsoft Analysis Services	3/22/2018 6:08 PM	File folder	
	Microsoft Games	4/12/2011 4:28 AM	File folder	
	Microsoft Office	3/22/2018 6:11 PM	File folder	
	Microsoft SQL Server	3/22/2018 6:11 PM	File folder	
	Microsoft VS Code	3/25/2019 4:05 PM	File folder	



e. Double click on the folder that starts with jdk


















	jdk-14.0.1			
---	-------------------	--	--	--

f. Double click on the bin folder

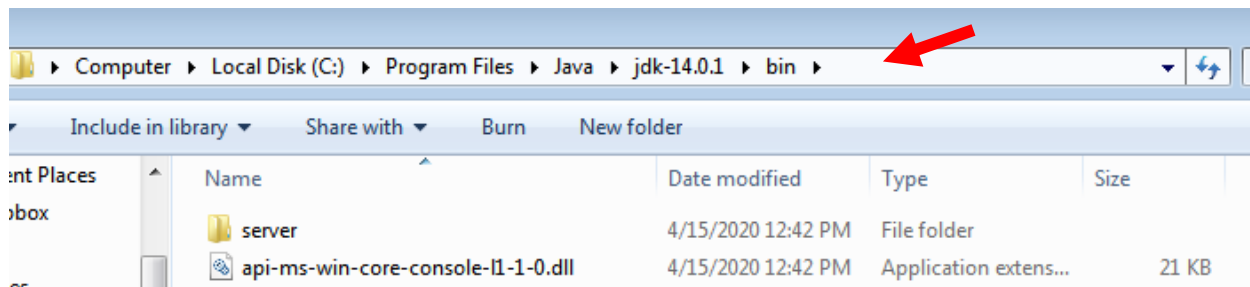


	bin	4/15/2020 12:42 PM	File folder	
	conf	4/15/2020 12:42 PM	File folder	

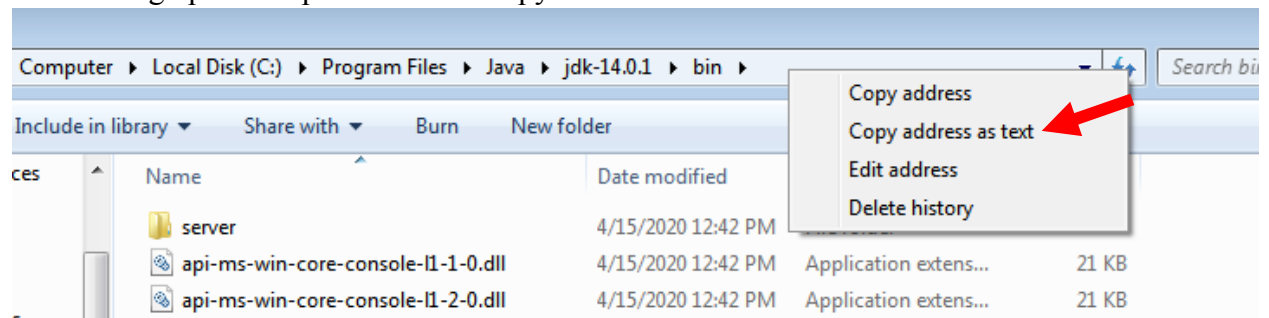
g. It will look something like:

Name	Date modified	Type	Size
 server	4/15/2020 12:42 PM	File folder	
 api-ms-win-core-console-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-console-l1-2-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-datetime-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-debug-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-errorhandling-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-file-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	24 KB
 api-ms-win-core-file-l1-2-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-file-l2-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-handle-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-heap-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-interlocked-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB
 api-ms-win-core-libraryloader-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	22 KB
 api-ms-win-core-localization-l1-2-0.dll	4/15/2020 12:42 PM	Application extens...	23 KB
 api-ms-win-core-memory-l1-1-0.dll	4/15/2020 12:42 PM	Application extens...	21 KB

h. Now you are going to right-click in the address bar at the top.



i. It will bring up these options. Click “copy address as test”

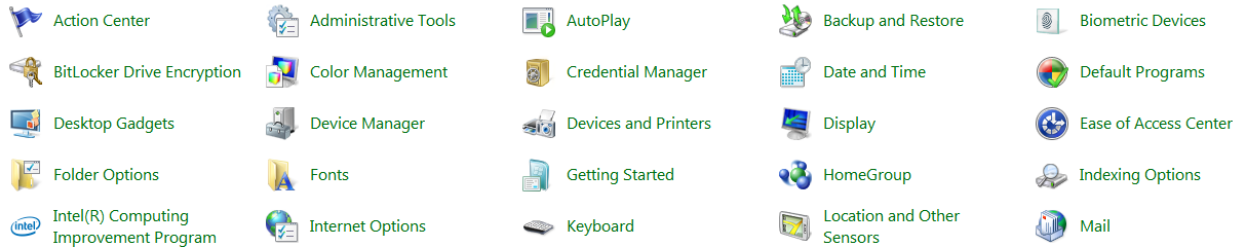


- j. Now go to Control Panel. Again you can search for this. The icon is

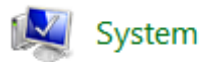


It should look something like this: (Appearances will vary depending on your computer.)

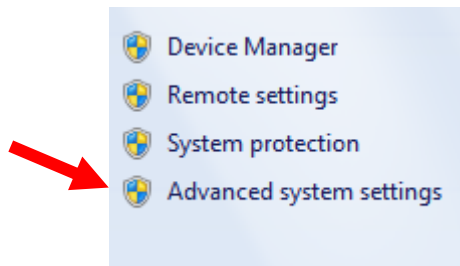
Adjust your computer's settings



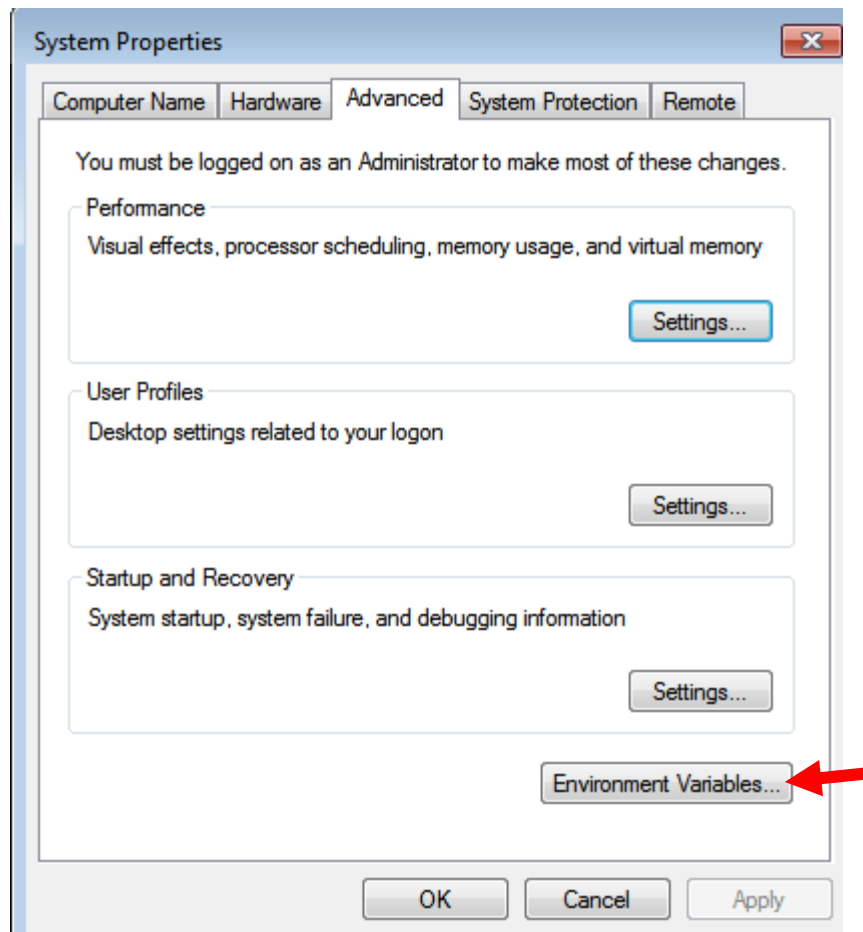
- k. Now go to System.



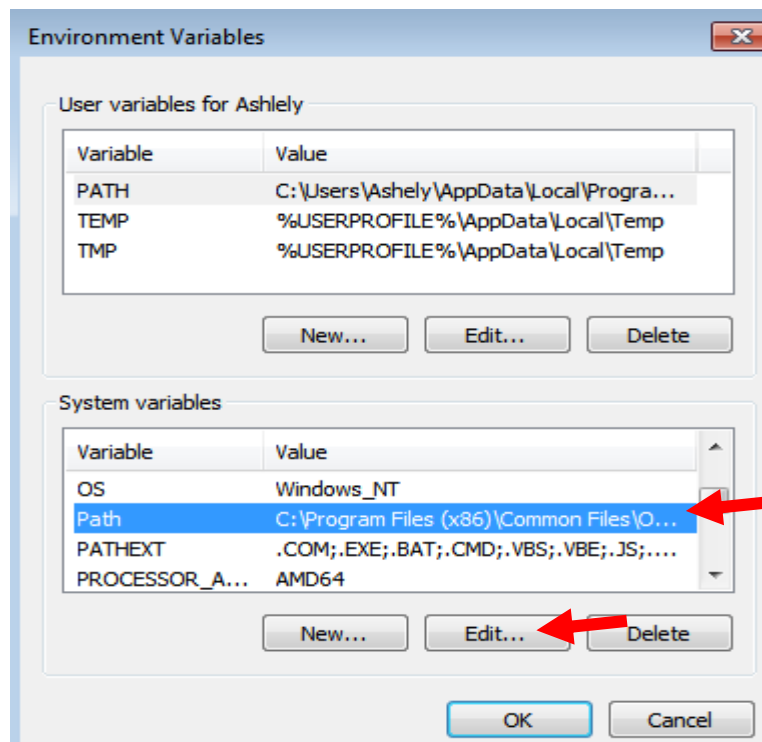
- l. Now go to Advance System Settings



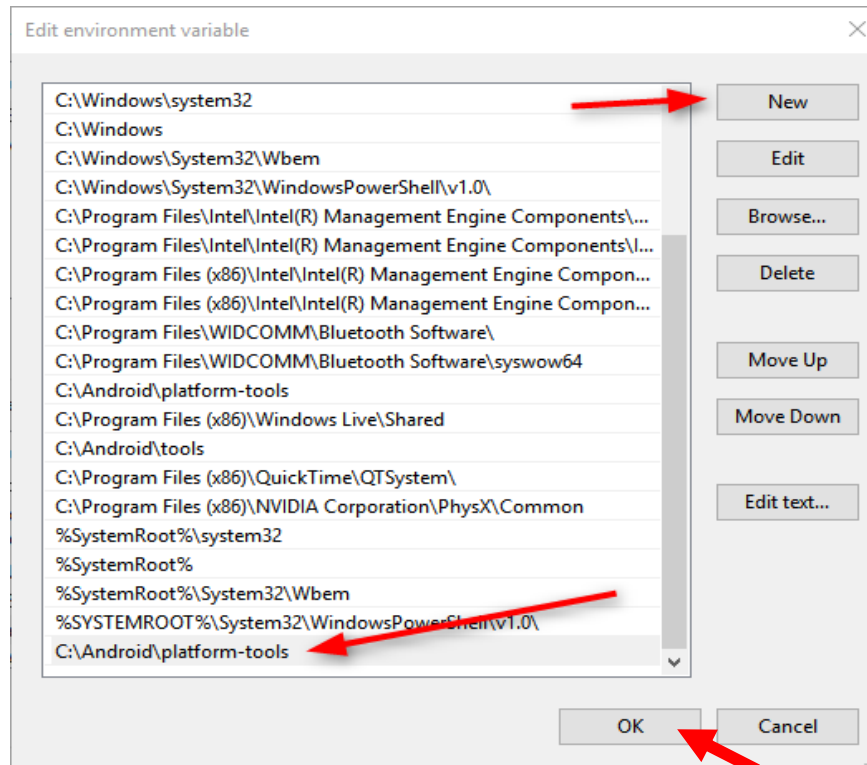
m. Now click Environment Variables



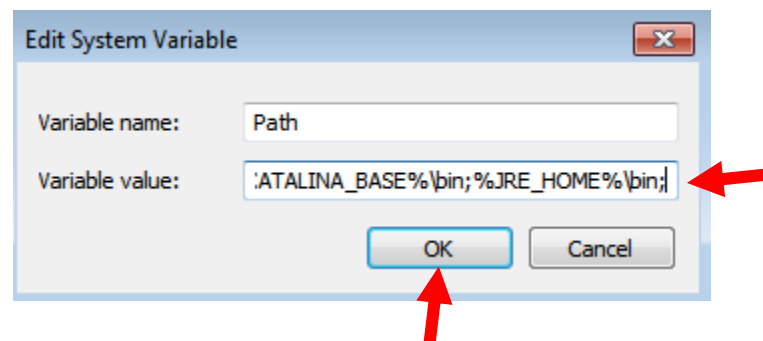
n. Find "Path" in the System Variable section. Click on it and then select "edit".



- o. Click New then paste the address and click ok. Now click ok on the other two boxes opened. Skip step p.



- p. If it looks like this:



Click at the end of the value. Add a “;” if there is not already one there. Then paste the address we have copied. Add a “;” and click ok.
Hit ok on the other two boxes opened.

Verify its working:

1. Open “command prompt” or “terminal” (Mac)

*You can search for this to find it on your computer. The icon is



2. In command or terminal (Mac) type: java -version

```
C:\Users\Ashely>java -version
java version "1.8.0_201"
Java(TM) SE Runtime Environment (build 1.8.0_201-b09)
Java HotSpot(TM) 64-Bit Server VM (build 25.201-b09, mixed mode)
```

3. Now type: javac

```
C:\Users\Ashely>javac
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; bypasses def
-processorpath <path> Specify where to find annotation processors
-parameters Generate metadata for reflection on method parameters
-d <directory> Specify where to place generated class files
-s <directory> Specify where to place generated source files
-h <directory> Specify where to place generated native header files
-implicit:{none,class} Specify whether or not to generate class files for implicitly reference
-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
-profile <profile> Check that API used is available in the specified profile
-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
-Werror Terminate compilation if warnings occur
@<filename> Read options and filenames from file
```

4. If either of your outputs is not correct then **stop** and get help from the TA in the first lab session.

Notepad++ (Windows Users Only)

1. Go to <https://notepad-plus-plus.org/downloads/v7.8.7/>
2. Click the green DOWNLOAD button

Notepad++ 7.8.7 release

Release Date: 2020-06-08

Download 32-bit x86



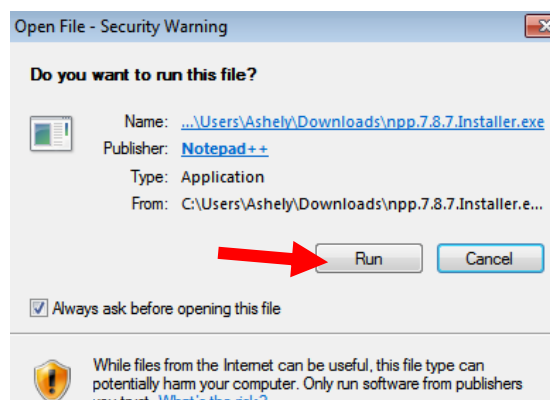
3. Click the installer.



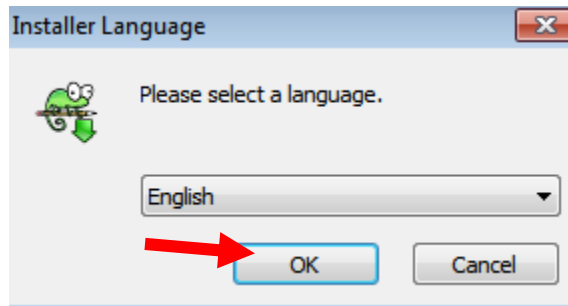
npp.7.8.7.Installer.exe

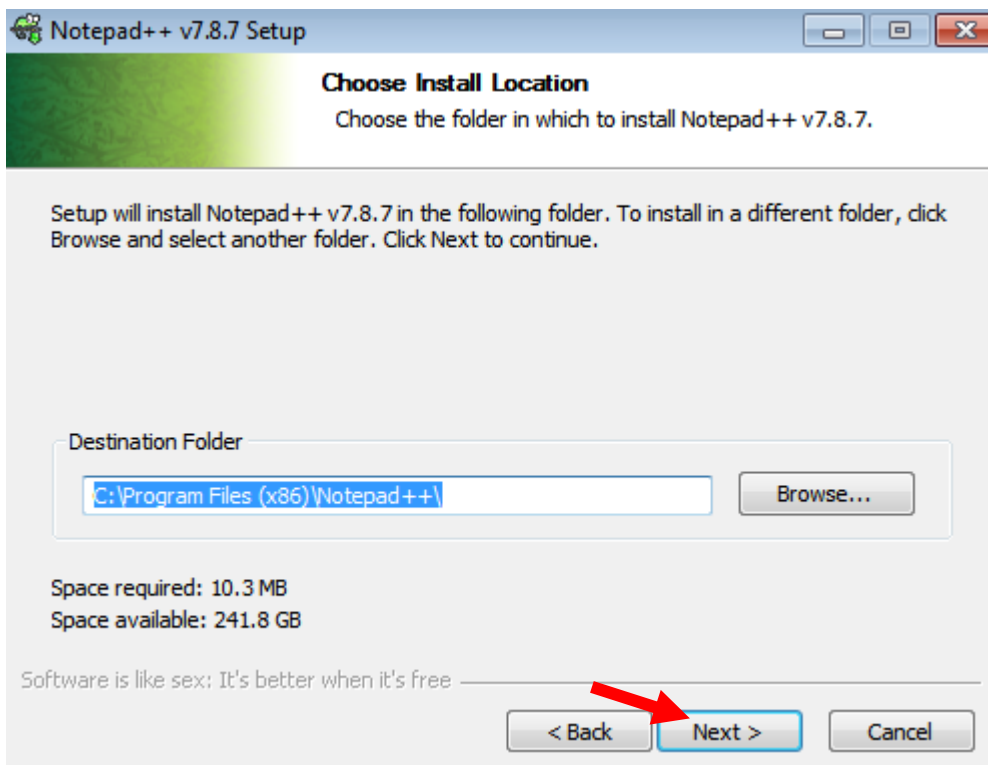
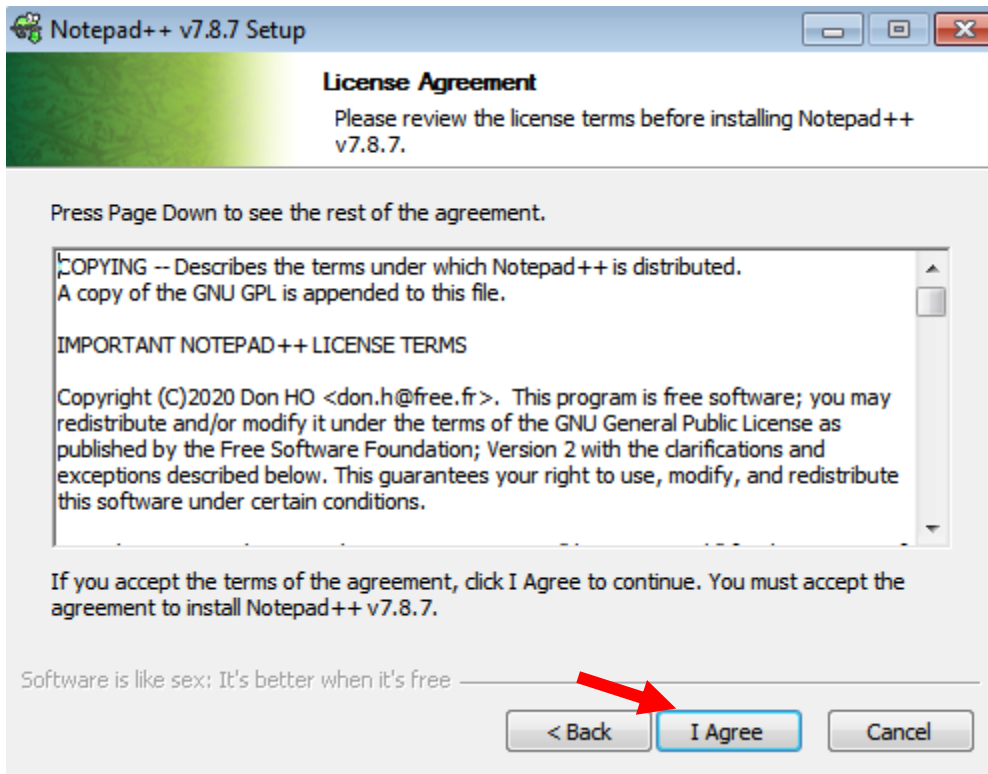


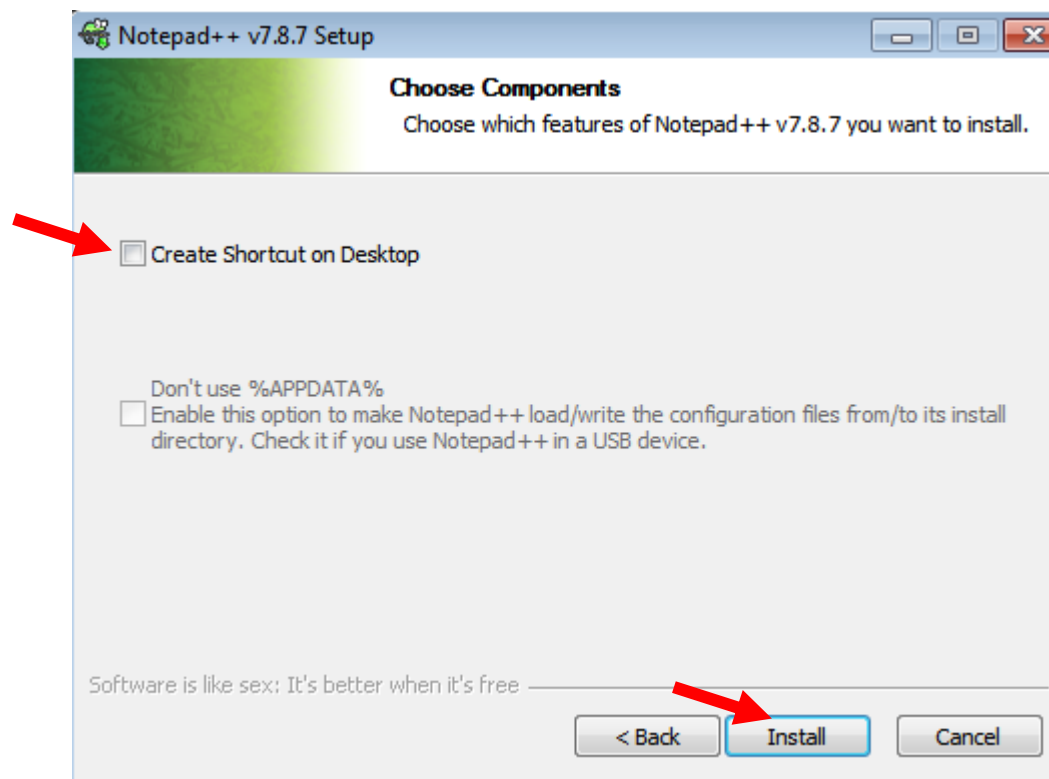
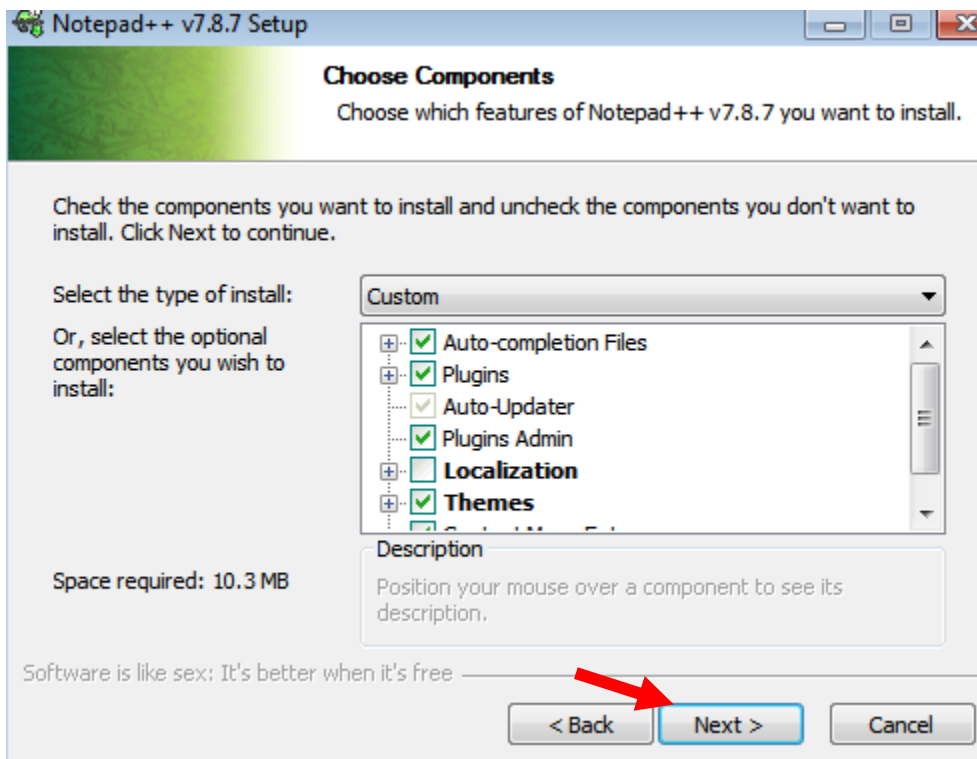
4. Click Run.



5. Select your language, accept the terms, and hit next on all other options.

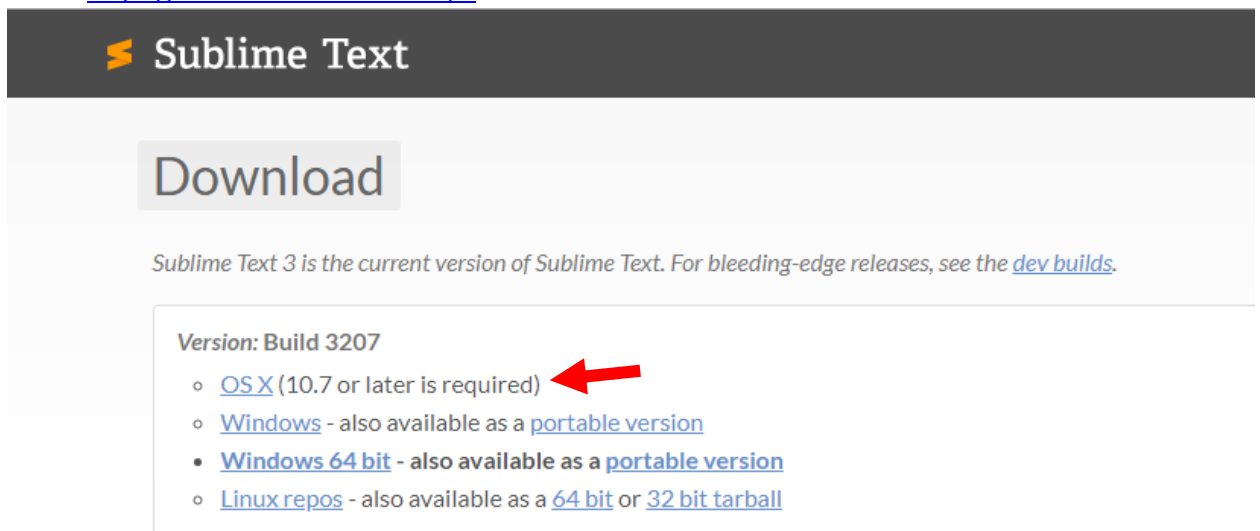






Sublime (Mac Users)

1. Go to <https://www.sublimetext.com/3>



2. Click the download for OS X
3. Click next on all options in installer.