

Java JDK Version and Setting Path Environment Variable

(for Windows OS)

Java JDK Version for CS2040

You will need the JDK (Java Development Kit) to compile and run Java programs on your computer. The recommended version to use is JDK 11.0.19 which you can get from <https://www.oracle.com/java/technologies/downloads/#java11>

There is also an installation guide for Windows/Linux/Mac OS at <https://docs.oracle.com/en/java/javase/11/install/overview-jdk-installation.html#GUID-8677A77F-231A-40F7-98B9-1FD0B48C346A>

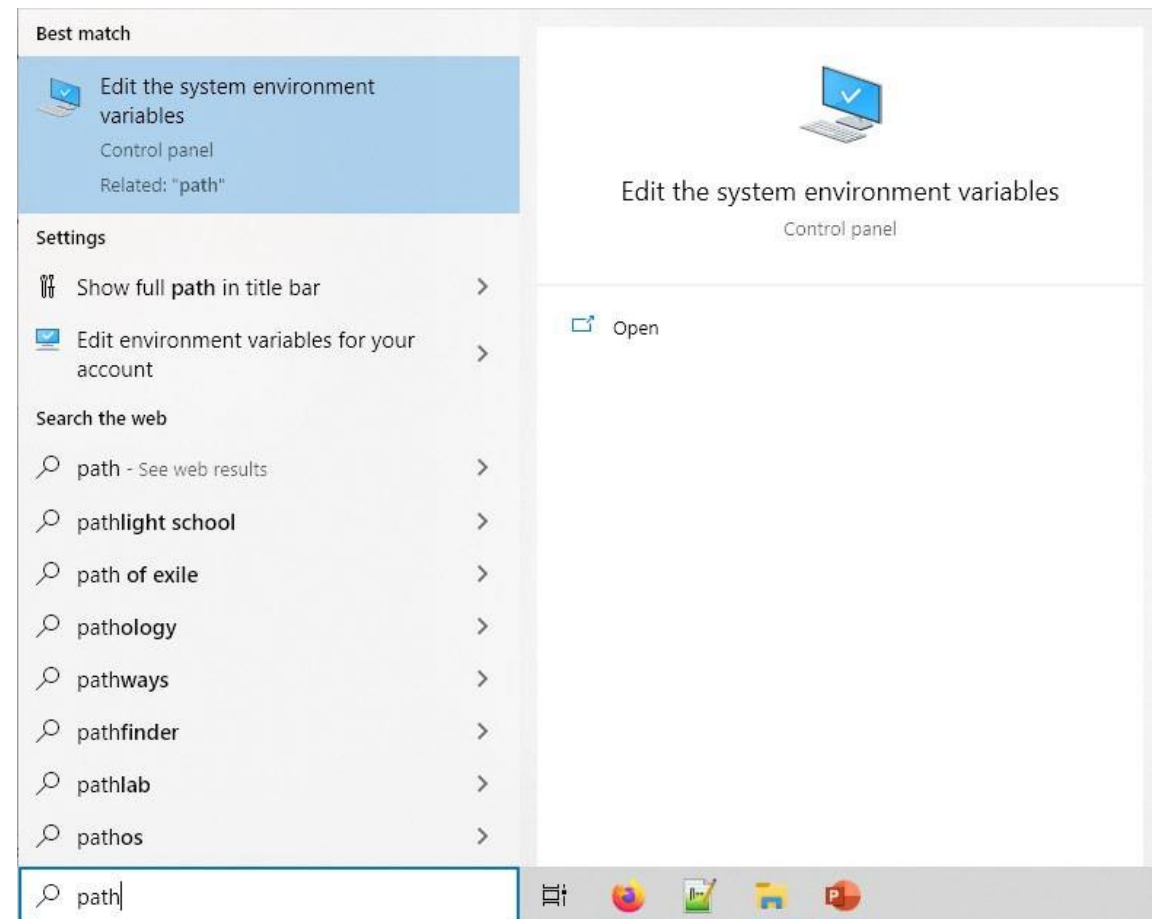
If you already have a version installed from taking CS2030/S then use that version.

Finally you will need to set your PATH Environment Variable properly before you can compile the Java programs you have written. This is detailed in the following pages.

Editing PATH Environment Variable

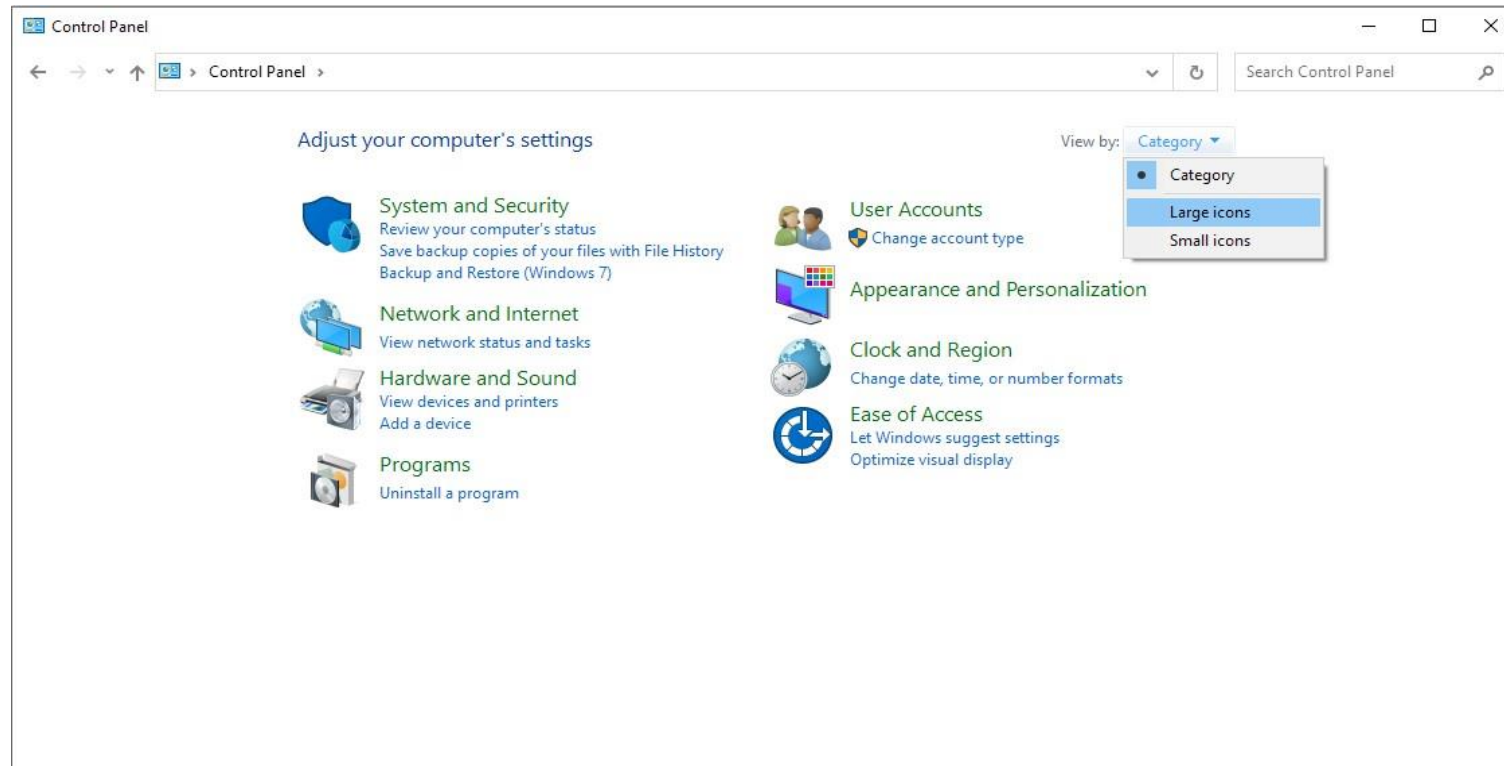
If you have the Windows search bar active, then accessing environment variables can be easily done by searching for "path" and clicking on the first search result

Skip to slide 6 if you do this



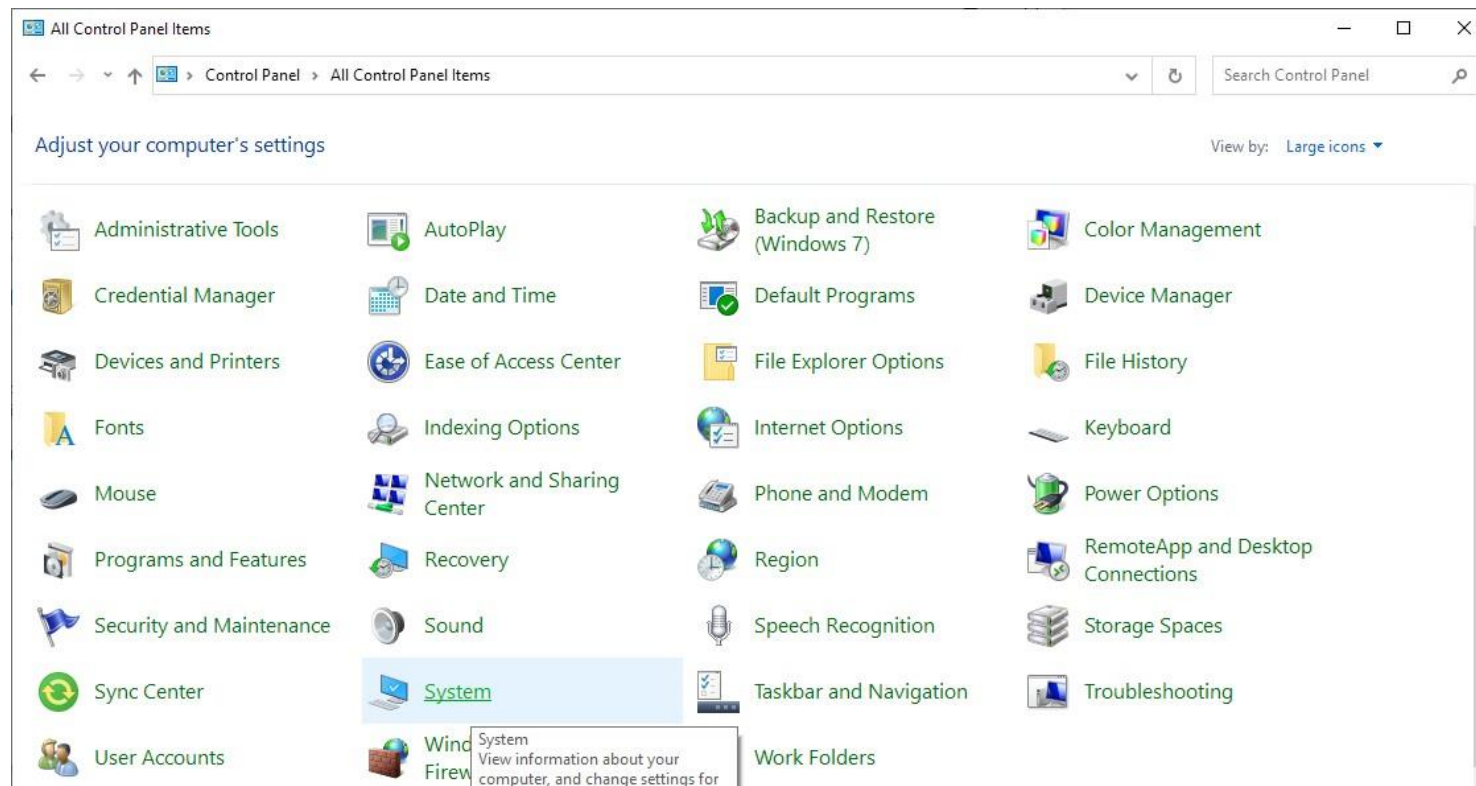
Editing PATH Environment Variable

Otherwise, open the control panel and set "View by:" to "Large icons"



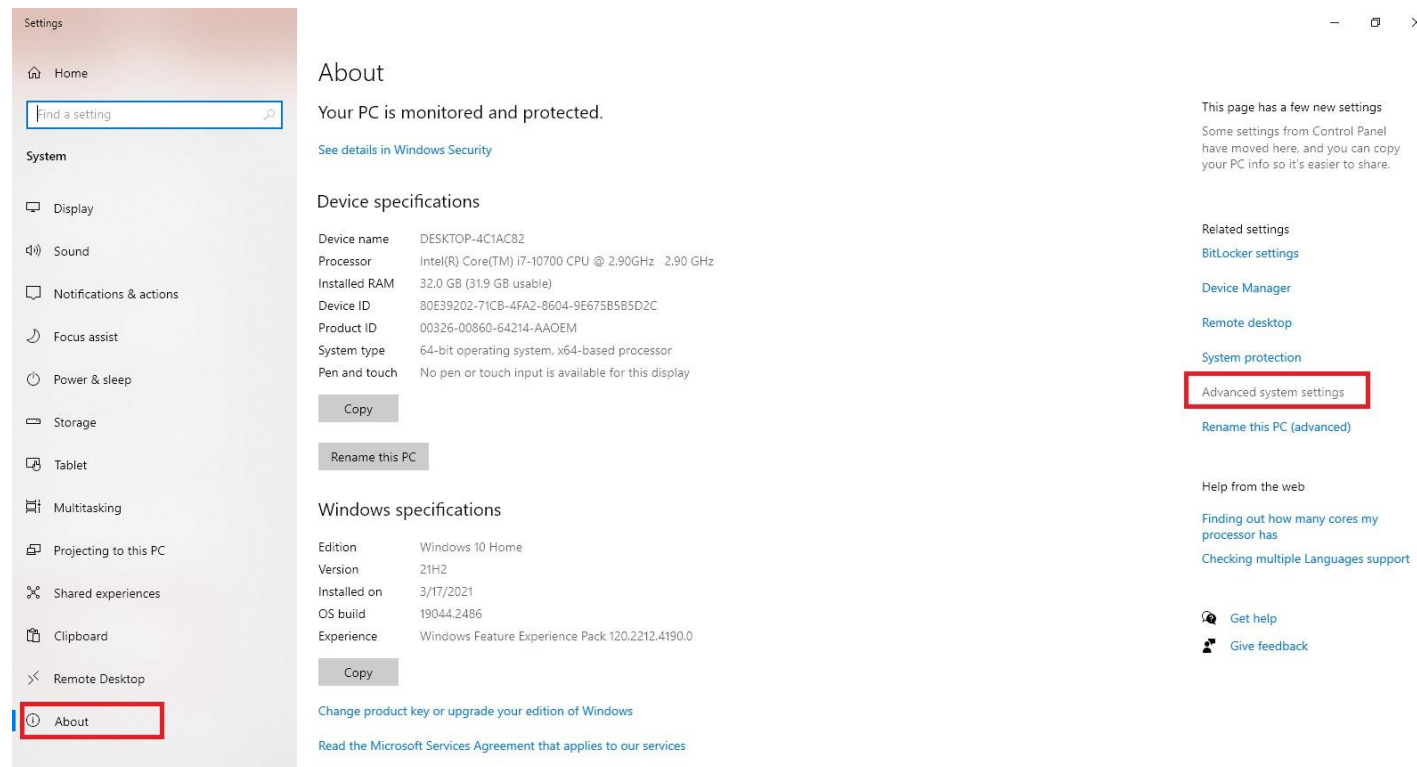
Editing PATH Environment Variable

Click on "System"



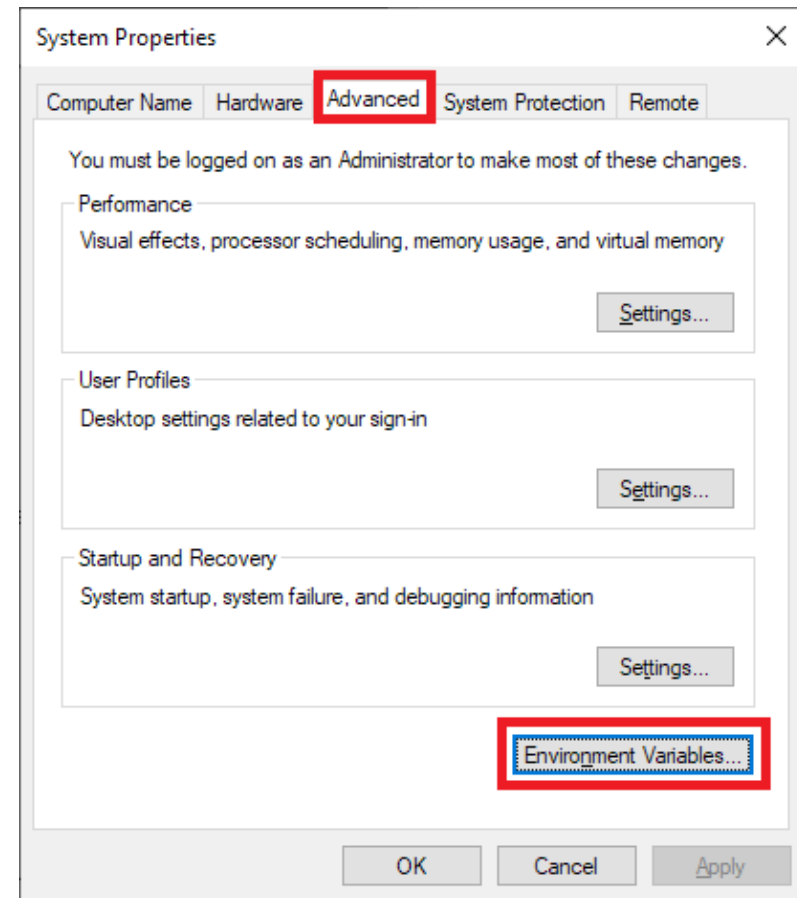
Editing PATH Environment Variable

On the "About" page (should be the default), click on "Advanced system settings" on the right



Editing PATH Environment Variable

Go to the "Advanced" tab (again, should be the default) and click on "Environment Variables..." at the bottom of the menu



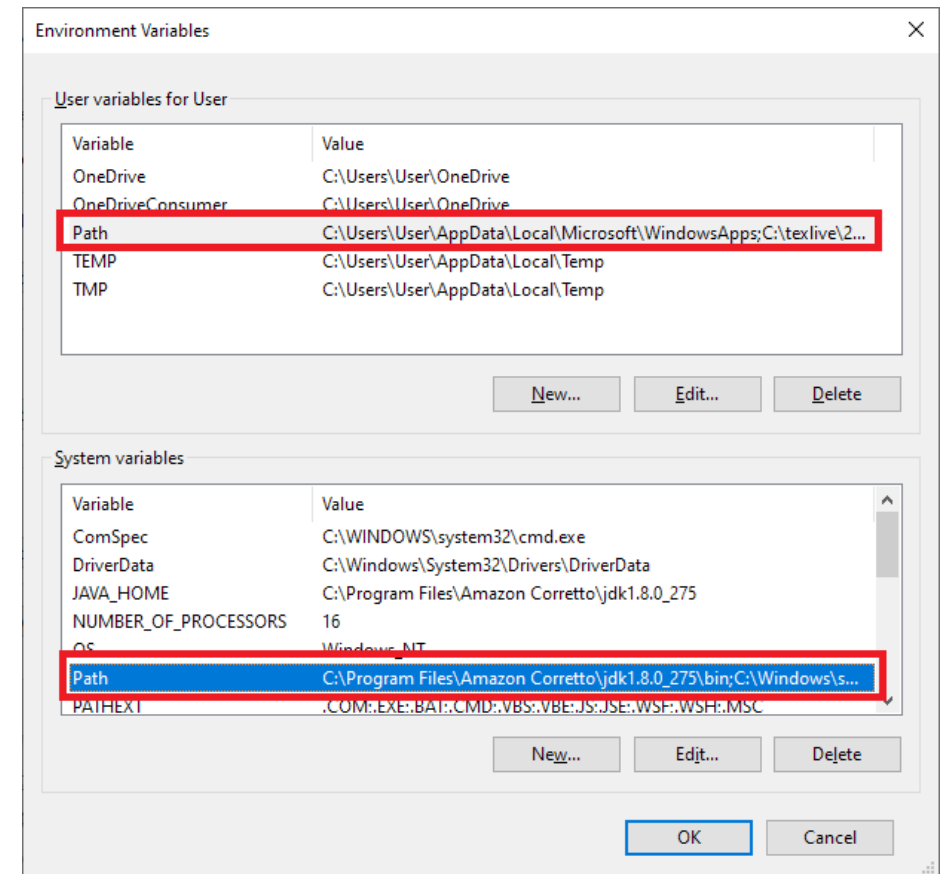
Editing PATH Environment Variable

From the following menu, you will find 2 different "Path" variables; editing either is fine.

Editing the "User" variables will only affect the current user.

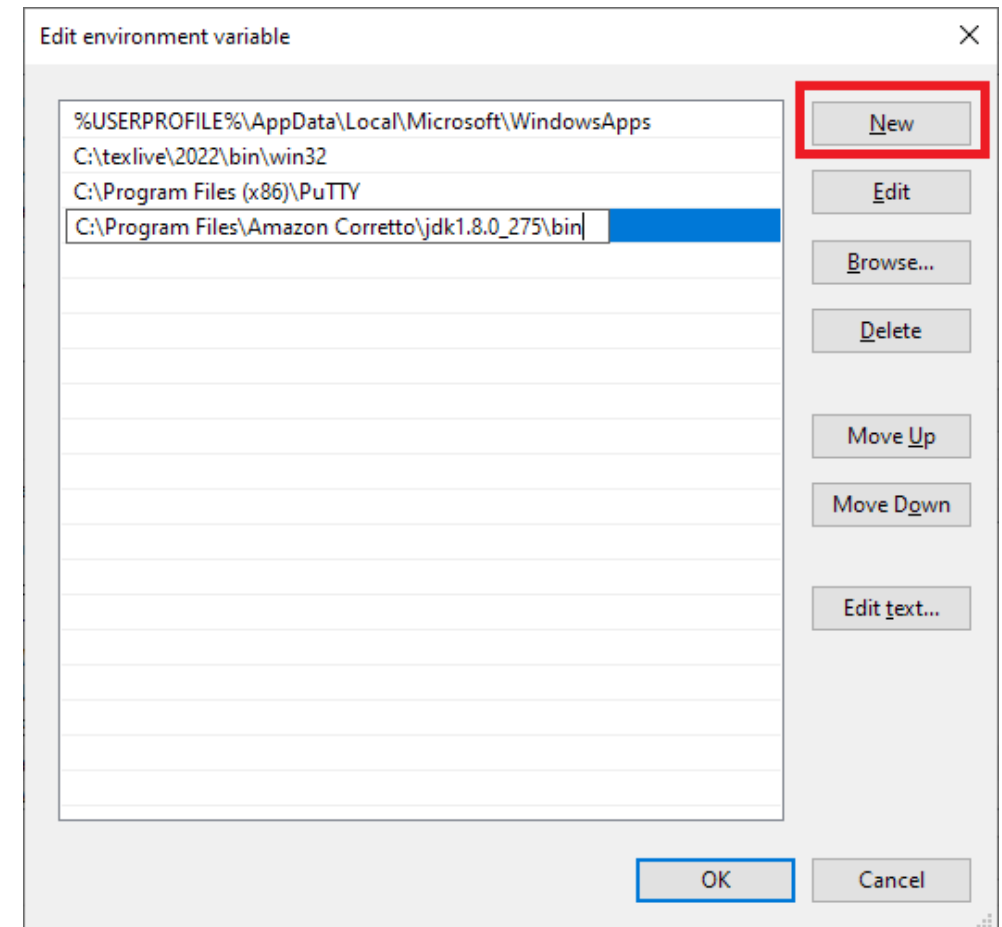
Editing the "System" variables will affect all users.

Editing can be done by double clicking that row.



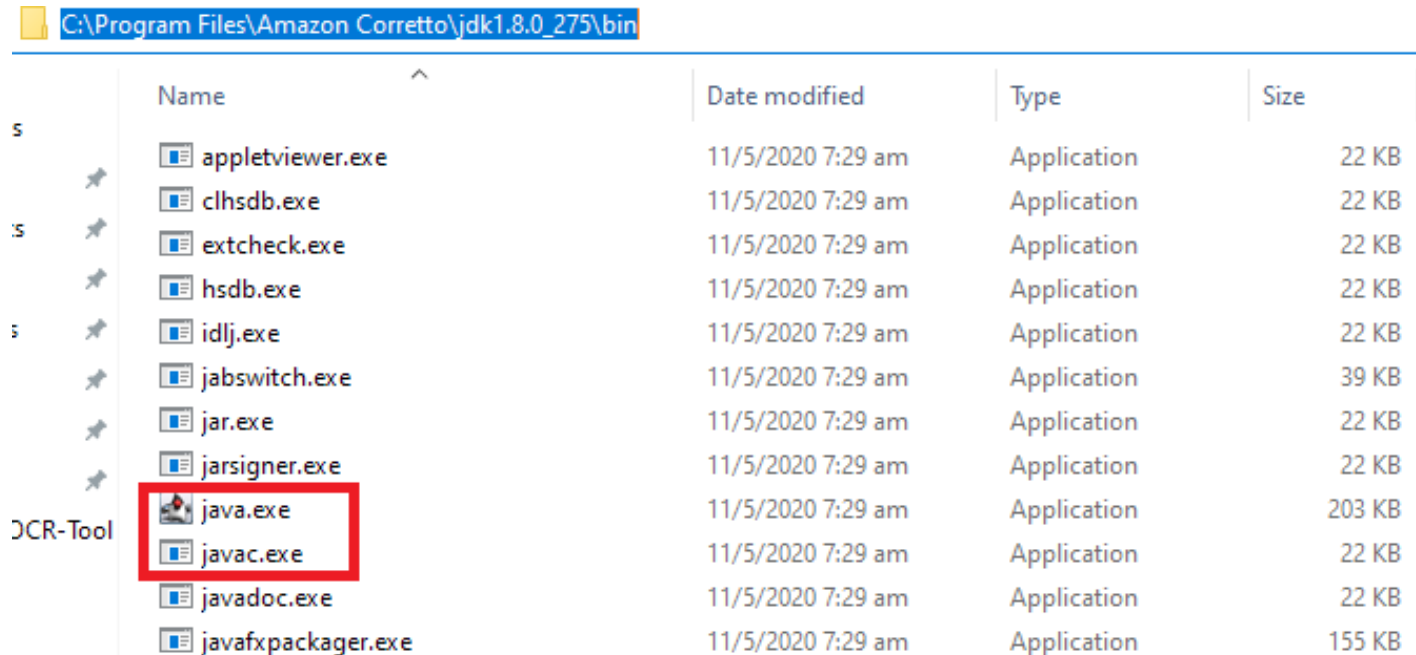
Editing PATH Environment Variable

In the window that follows, select "New" and enter the path of the folder containing "java.exe" and "javac.exe" for your device



Editing PATH Environment Variable

For this example, "java.exe" and "javac.exe" are found at "C:\Program Files\Amazon Corretto\jdk1.8.0_275\bin", but it may be different on your device



C:\Program Files\Amazon Corretto\jdk1.8.0_275\bin				
	Name	Date modified	Type	Size
	appletviewer.exe	11/5/2020 7:29 am	Application	22 KB
	clhsdb.exe	11/5/2020 7:29 am	Application	22 KB
	extcheck.exe	11/5/2020 7:29 am	Application	22 KB
	hsdb.exe	11/5/2020 7:29 am	Application	22 KB
	idlj.exe	11/5/2020 7:29 am	Application	22 KB
	jabswitch.exe	11/5/2020 7:29 am	Application	39 KB
	jar.exe	11/5/2020 7:29 am	Application	22 KB
	jarsigner.exe	11/5/2020 7:29 am	Application	22 KB
	java.exe	11/5/2020 7:29 am	Application	203 KB
	javac.exe	11/5/2020 7:29 am	Application	22 KB
	javadoc.exe	11/5/2020 7:29 am	Application	22 KB
	javafxpackager.exe	11/5/2020 7:29 am	Application	155 KB

For other OSes, here's a link which teaches you how to set the Path variable (no guarantee it will work for the latest version of your OS)

<https://www.baeldung.com/java-home-on-windows-7-8-10-mac-os-x-linux>