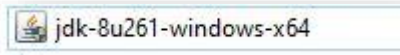
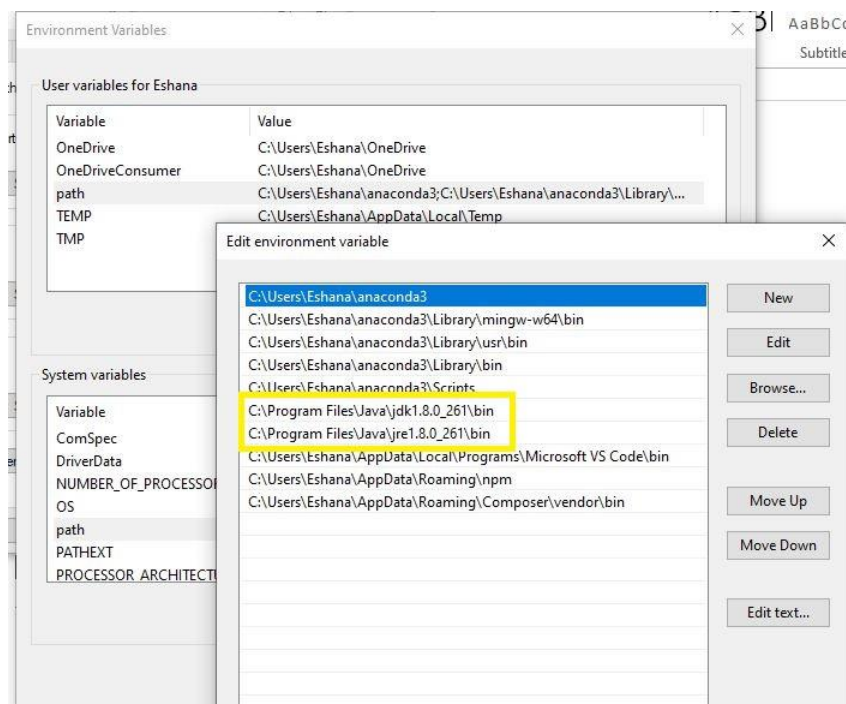


# JAVA JDK & NetBeans IDE INSTALLATION IN WINDOWS

This Java Development Kit (JDK) allows you to code and run Java programs. It's possible that you install multiple JDK versions on the same PC.



- Download and install the JDK 8 version.
- <https://www.oracle.com/java/technologies/javase/javase8u211-later-archive-downloads.html>
- Note the installation directory for later—probably something like **C:\Program Files\Java\jdk1.8.0\_261**
- To make sure that Windows can find the Java compiler and interpreter:
  - *Go to System Properties (Right Click on My Computer and select Properties) > Advanced > Environment Variables>PATH.*
  - Prepend **C:\Program Files\Java\jdk1.8.0\_261\bin;** to the *beginning* of the **PATH** variable.



## Command-line interface

You will type commands in an application called the *Command Prompt*.

- Launch the command prompt via *Press Windows+X to open the Power Users menu, and then click “Command Prompt” or “Command Prompt (Admin) Command Prompt*.
- (If you already had a command prompt window open, close it and launch a new one.) You should see the command prompt; it will look something like:

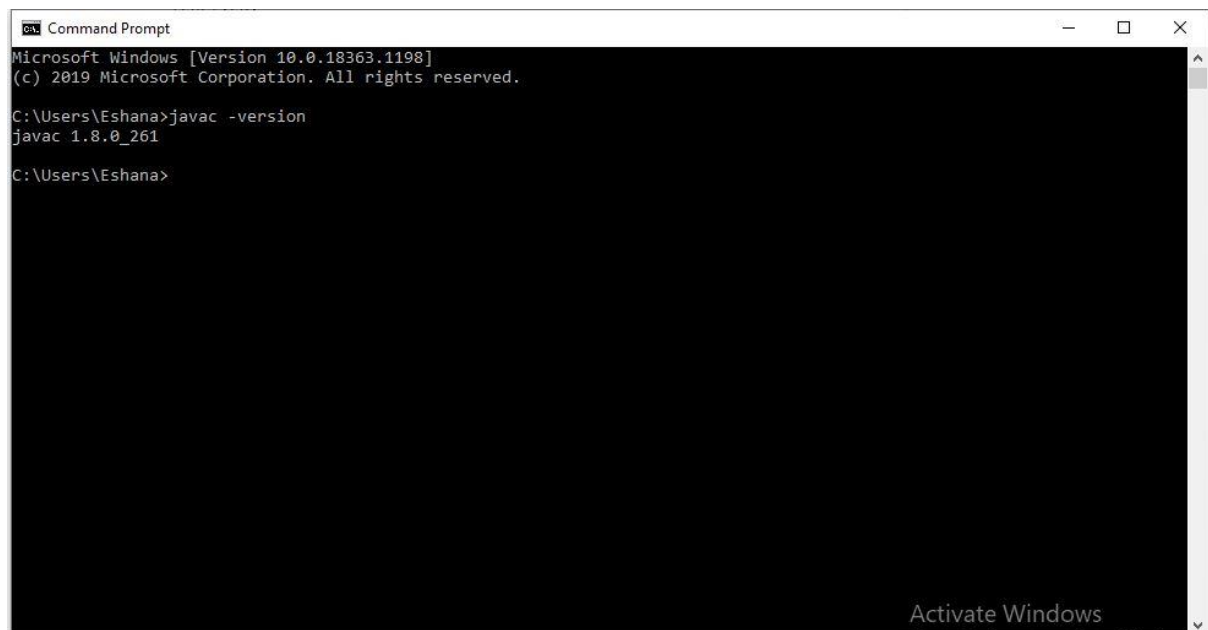
```
Microsoft Windows [Version 10.0.18363.1198]
(c) 2019 Microsoft Corporation. All rights reserved.
```

- To check that you have the right version of Java installed, type the text in boldface below. You should see something similar to the information printed below. (It's important that you see the number 1.6 or 1.5 for the Java version number, but the rest is not critical.)

- C:\Users\Eshana>java -version
- java version "1.8.0\_261"
- Java(TM) SE Runtime Environment (build 1.8.0\_261-b12)
- Java HotSpot(TM) 64-Bit Server VM (build 25.261-b12, mixed mode)

**Then type:**

```
C:\Users\username>javac -version
javac 1.8.0_261
```

A screenshot of a Windows Command Prompt window. The title bar reads "Command Prompt". The window content shows the following text: "Microsoft Windows [Version 10.0.18363.1198] (c) 2019 Microsoft Corporation. All rights reserved." followed by a prompt "C:\Users\Eshana>". The user has entered "javac -version" and the output is "javac 1.8.0\_261". The prompt "C:\Users\Eshana>" is shown again on the next line. In the bottom right corner, there is a watermark that says "Activate Windows".

```
Microsoft Windows [Version 10.0.18363.1198]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Eshana>javac -version
javac 1.8.0_261

C:\Users\Eshana>
```