

Installation of Java:

The first step of learning Java would be to install and set up Java Environment.

I will redirect you to the [download link for Java](#).

Once you enter the downloading web page, you will be able to see something like this as shown below.

Java SE Development Kit 11.0.1		
You must accept the Oracle Technology Network License Agreement for Oracle Java SE to download this software.		
<input type="radio"/> Accept License Agreement <input checked="" type="radio"/> Decline License Agreement		
Product / File Description	File Size	Download
Linux	147.4 MB	jdk-11.0.1_linux-x64_bin.deb
Linux	154.09 MB	jdk-11.0.1_linux-x64_bin.rpm
Linux	171.43 MB	jdk-11.0.1_linux-x64_bin.tar.gz
macOS	166.2 MB	jdk-11.0.1_osx-x64_bin.dmg
macOS	166.55 MB	jdk-11.0.1_osx-x64_bin.tar.gz
Solaris SPARC	186.8 MB	jdk-11.0.1_solaris-sparcv9_bin.tar.gz
Windows	150.98 MB	jdk-11.0.1_windows-x64_bin.exe
Windows	170.99 MB	jdk-11.0.1_windows-x64_bin.zip

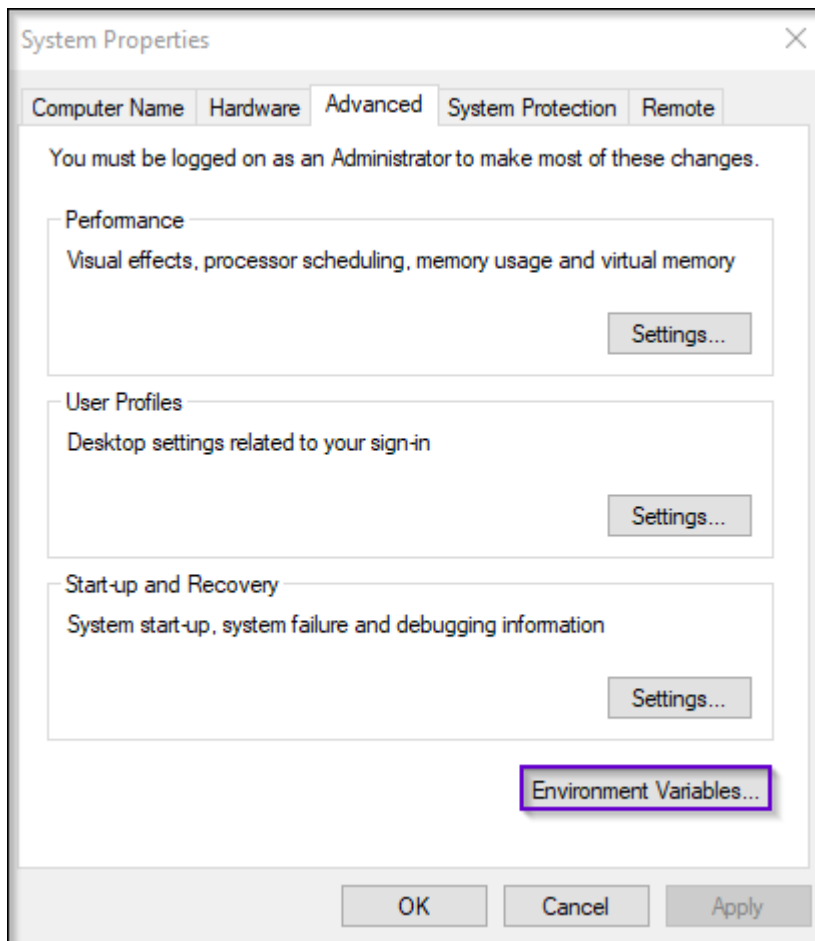
Once you download the required JDK file, go ahead and set the environment for Java.

Go to windows advanced settings and select environment variables.

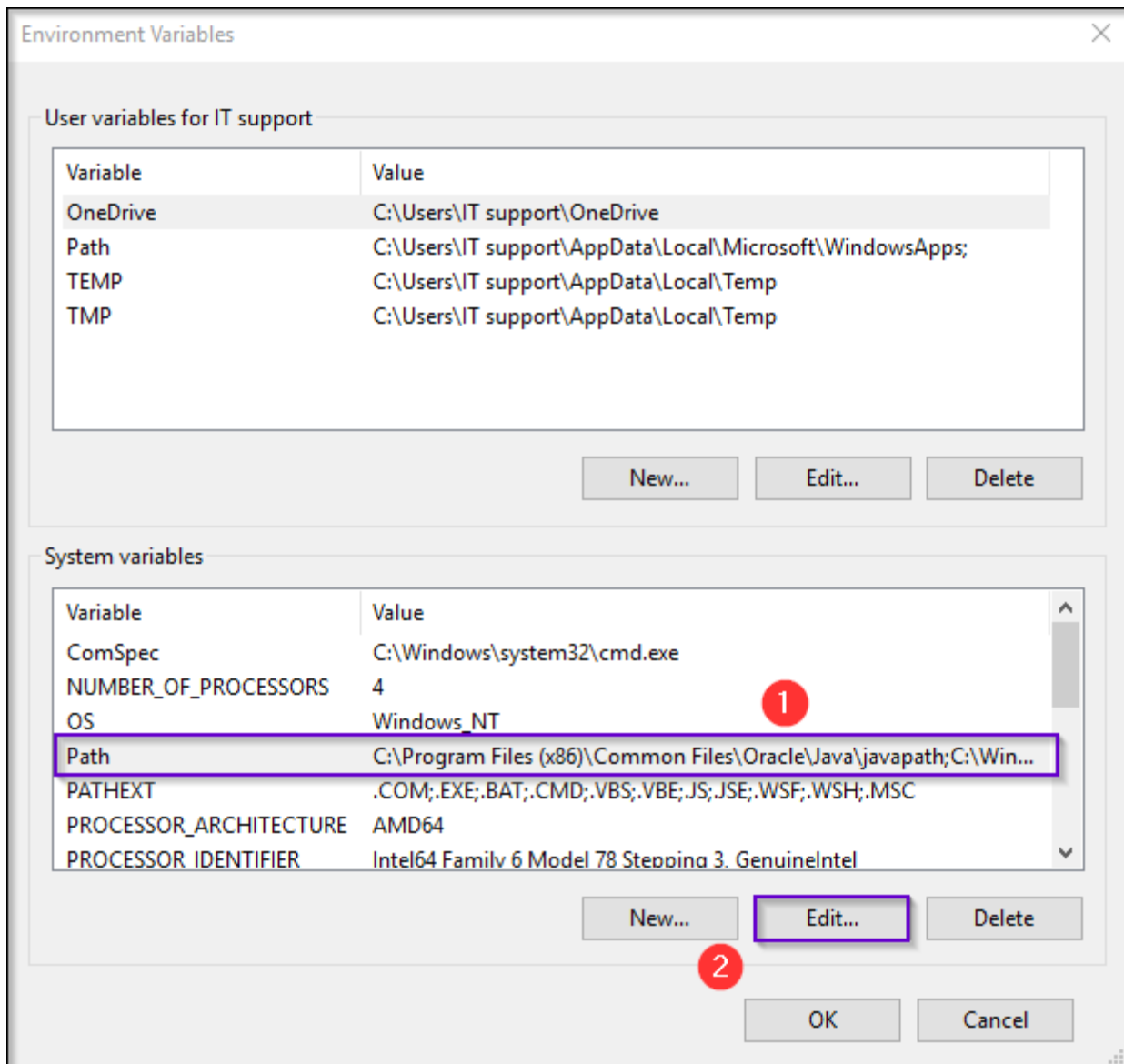
You should be able to see the following Dialogue box as shown below.

Steps to locate Environment variables.

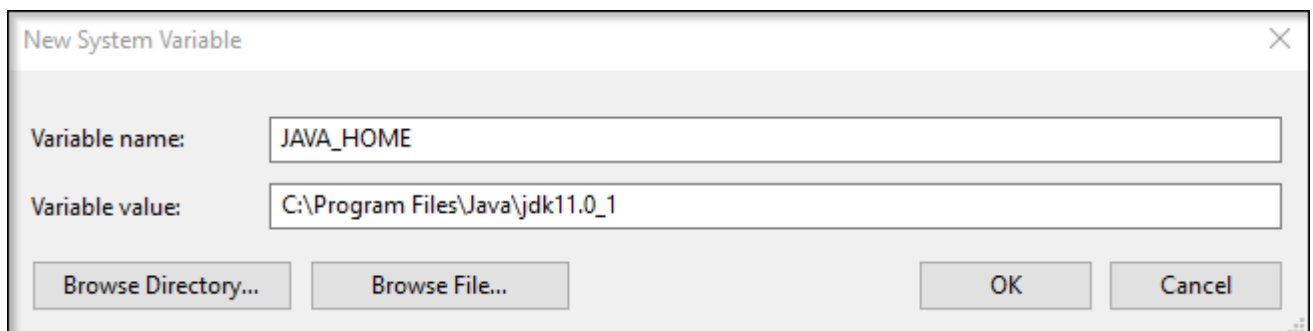
- Go to Start and search for 'System'
- Click on 'System'
- Click on 'Advanced system settings'
- Click on 'Environment Variables' under 'Advanced' tab as shown below



Next, under system variables choose new and enter the variable name as 'JAVA_HOME' and the full path to Java installation directory as per your system as shown below



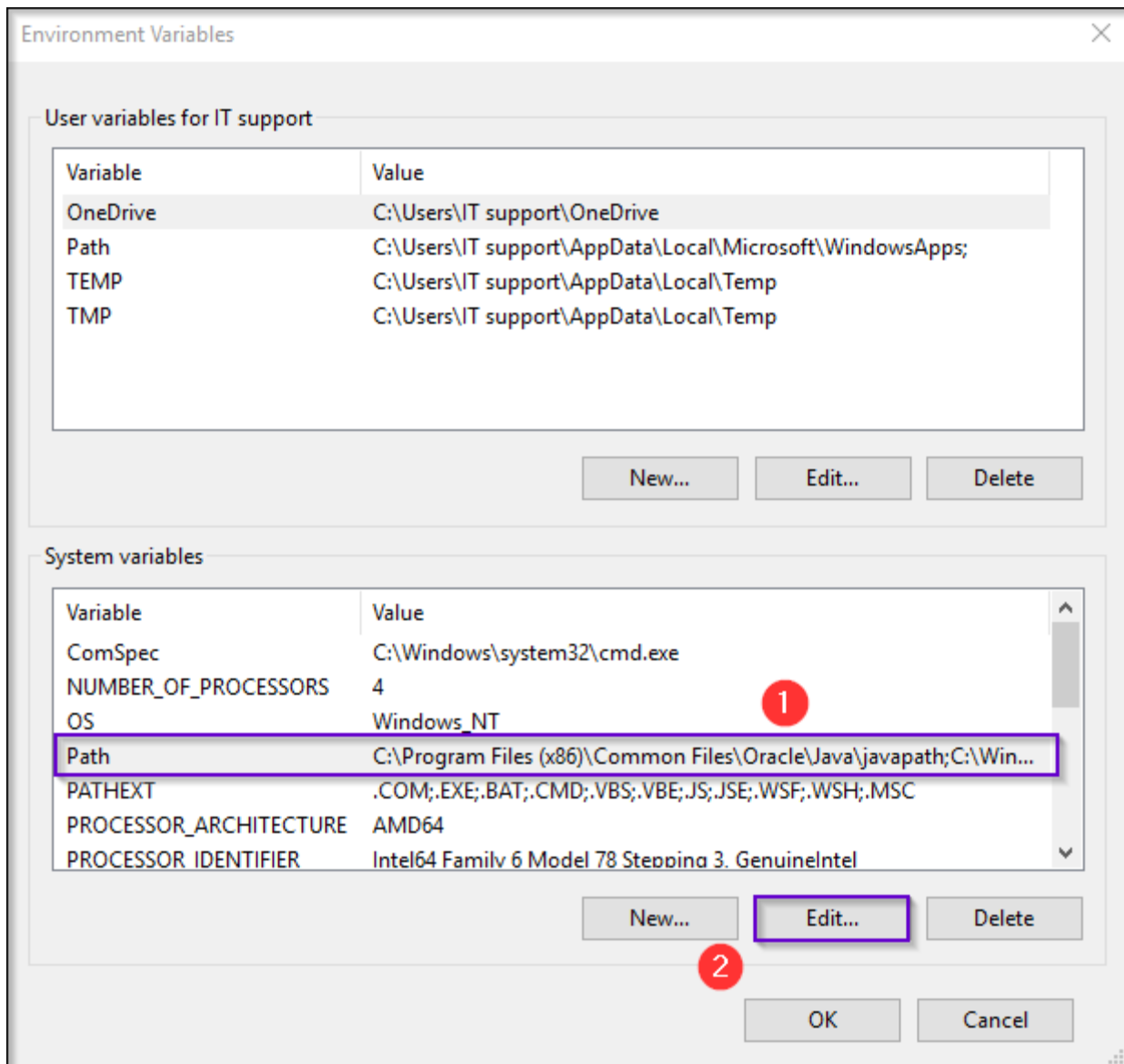
Below figure depicts the configuration of environment variable name and value.



Next thing that you have to do is to configure your environment variables.

Let's see how to do that.

Here, you have to edit the path of the system variable as shown below.



Under 'Variable value', at the end of the line, enter the following path
– **%JAVA_HOME%bin;**

Now, you can click 'OK' and you are done.

Now to cross-check the installation, just run following command in cmd – **java -version**.

It should display the installed version of Java in your system.

```
C:\WINDOWS\system32\CMD.exe
Microsoft Windows [Version 10.0.17763.973]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Ravikiran>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\Ravikiran>
```

Now You have successfully installed Java into your local system.

