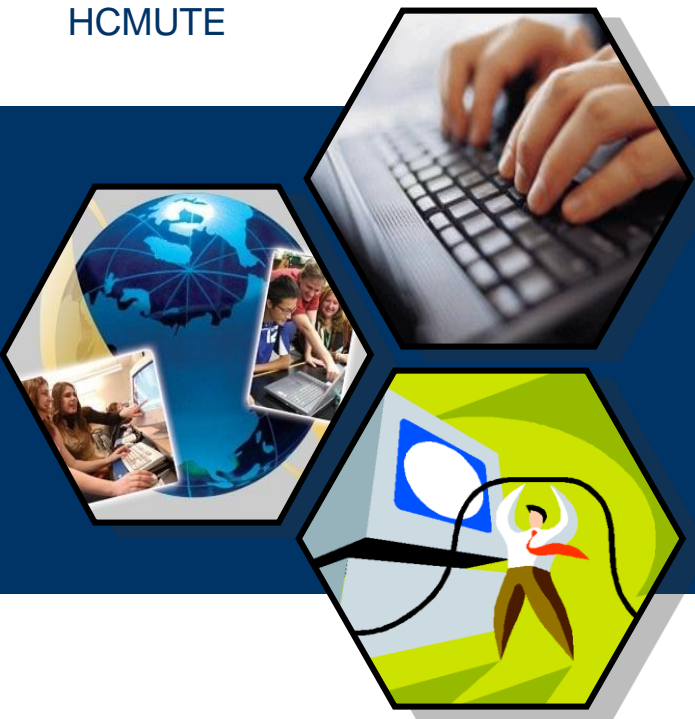


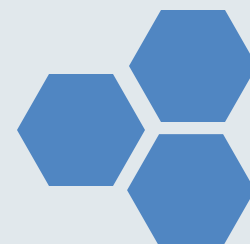


LẬP TRÌNH WEB



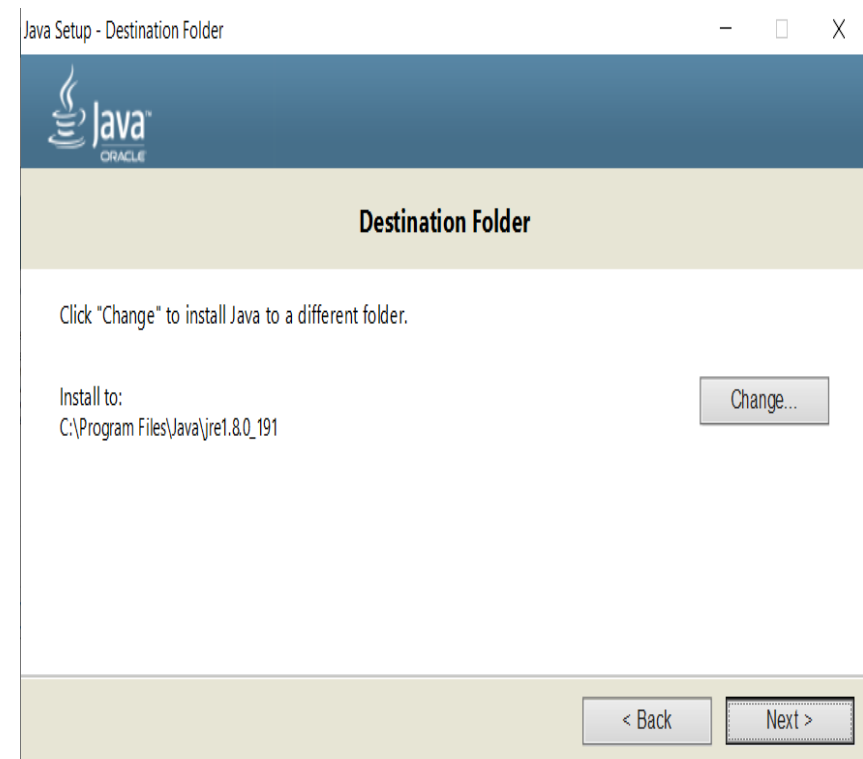
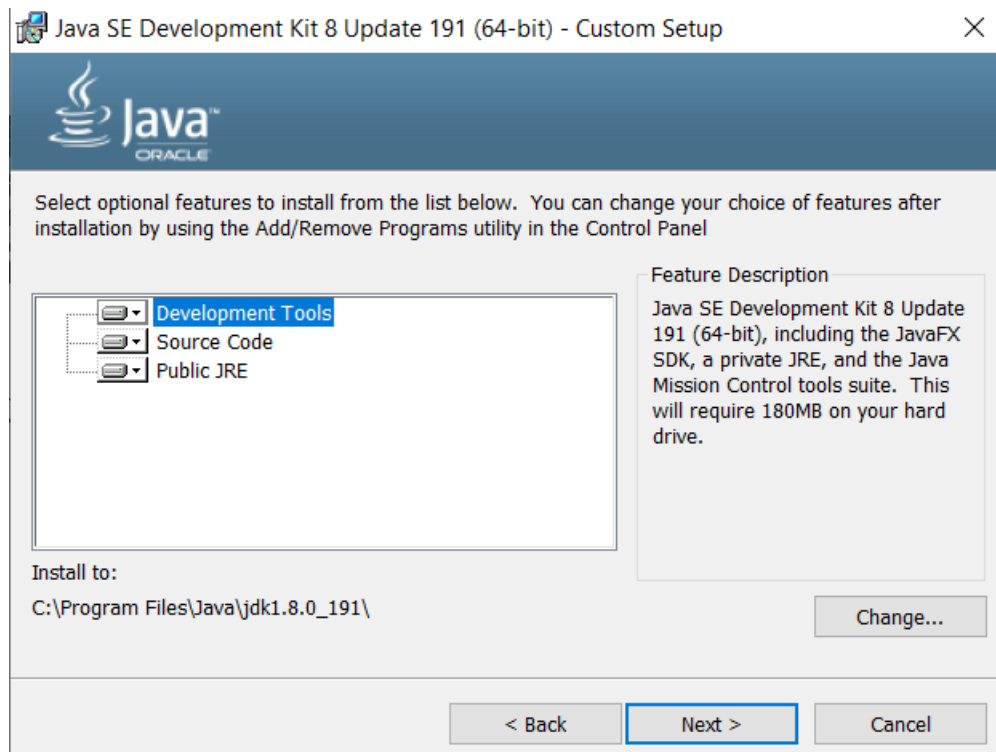
**Hướng dẫn cài đặt eclipse, jdk 8
mysql 8, tomcat 8, maven 3.6**

**Khoa Công nghệ Thông tin
Đại học Sư phạm Kỹ thuật TP.HCM**



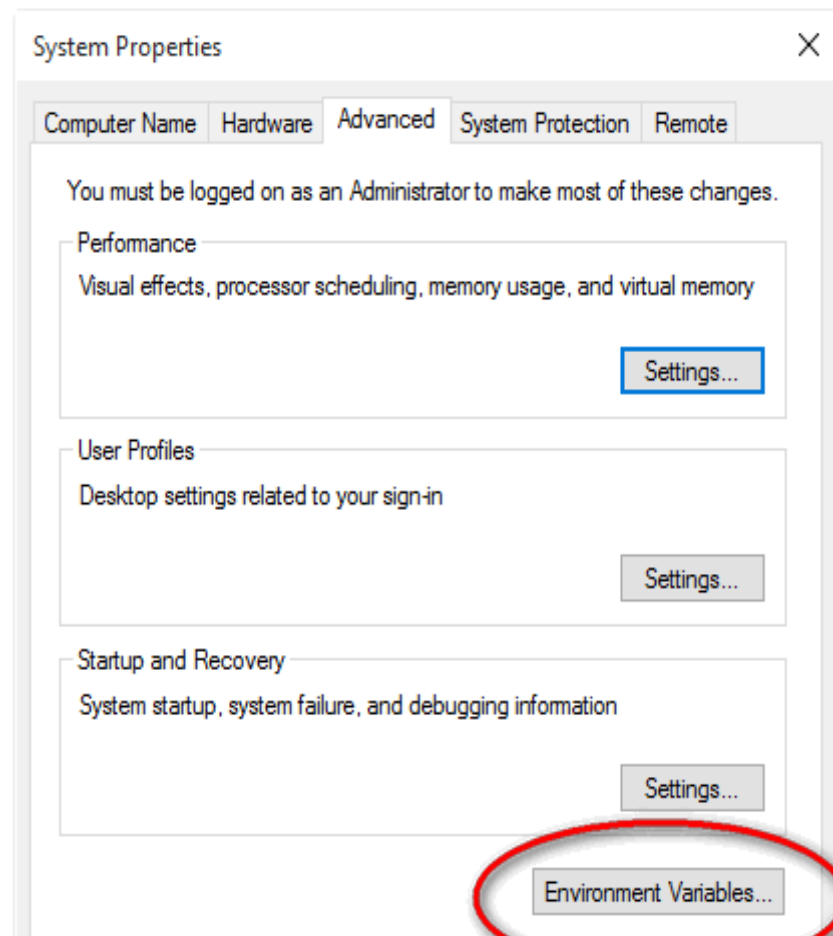
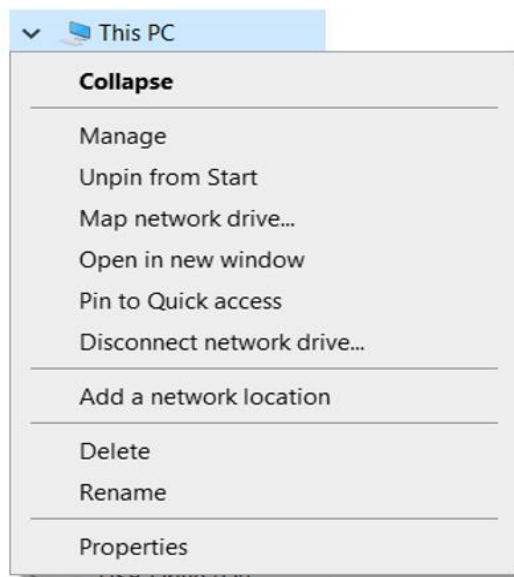
- **Cài đặt java và cấu hình:**
 - ▣ Download JDK 8: [CLICK TẠI ĐÂY](#)
 - ▣ Cấu hình java: https://mkyong.com/java/how-to-set-java_home-on-windows-10/
- **Cài đặt MYSQL:**
 - ▣ Mysql 8: [CLICK TẠI ĐÂY](#)
- **Cài đặt tomcat:**
 - ▣ Tomcat 8: [CLICK TẠI ĐÂY](#)
- **Cài đặt apache maven:**
 - ▣ Maven 3.6: [CLICK TẠI ĐÂY](#)
 - ▣ Cấu hình MAVEN: <https://www.mkyong.com/maven/how-to-install-maven-in-windows/>
- **Cài đặt eclipse:**
 - ▣ **Chú ý:** Nếu bạn đang làm về **java console**, **java application** (java swing, javafx) ... thì download bản: **Eclipse IDE for Java Developers**. Download tại: <https://www.eclipse.org/downloads/packages/>
 - ▣ Nếu bạn đang làm về **java web** thì download theo link sau: <https://drive.google.com/drive/folders/18pxr0RcJzoOTZGcjlz4ha9wjTmDnYMN?usp=sharing>

□ Cài đặt java: Theo mặc định hoặc đổi đường dẫn

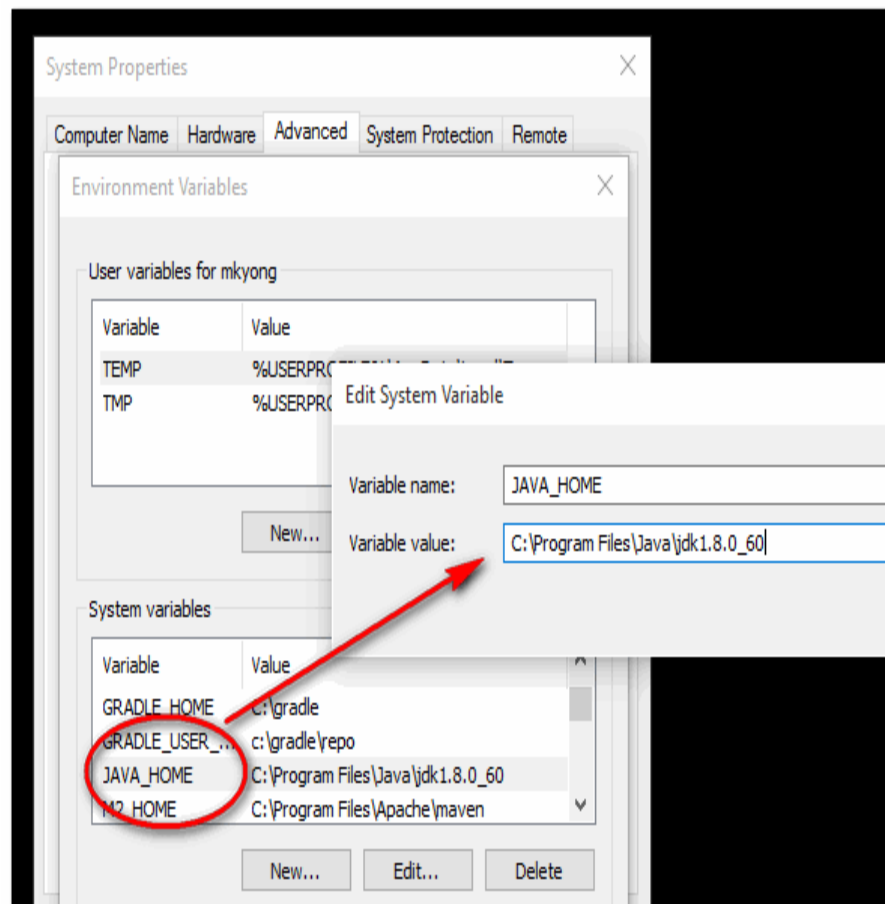


□ Cấu hình java:

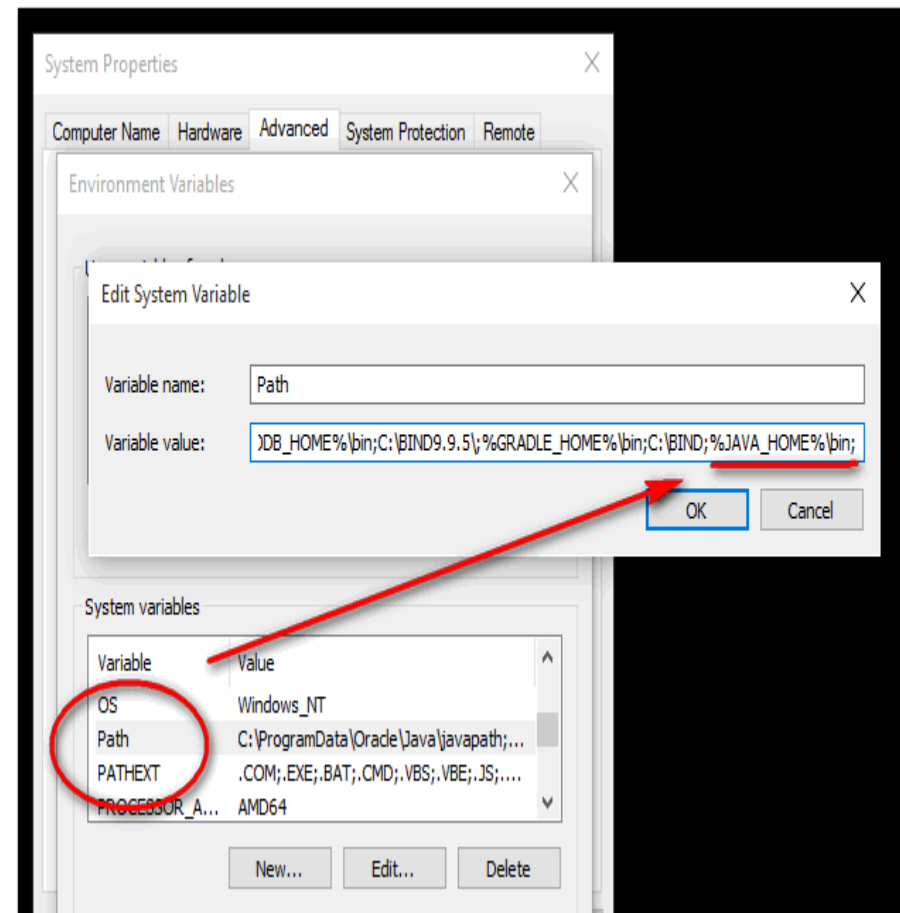
- 1. Advanced System Settings:
Select Advance tab,
clicks Environment
Variables.



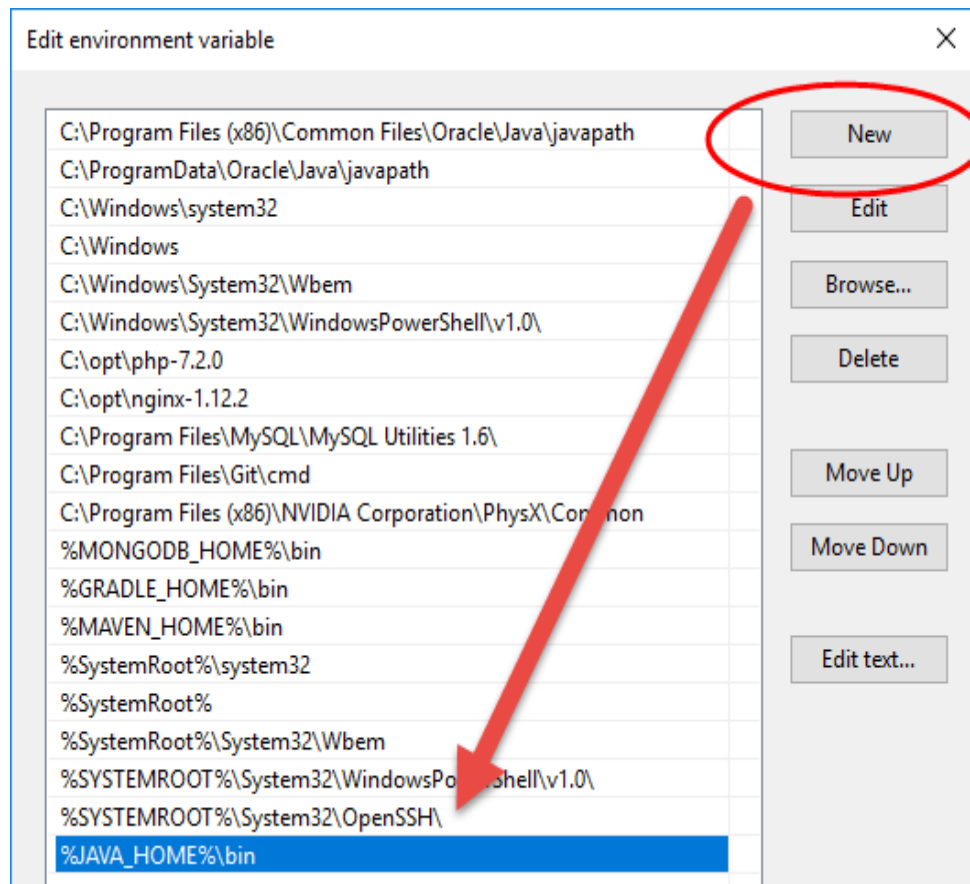
- Cấu hình java:
- 2. Add JAVA_HOME
 - ▣ In System variables, clicks New... button to add a new JAVA_HOME variable and point it to the JDK installed folder.



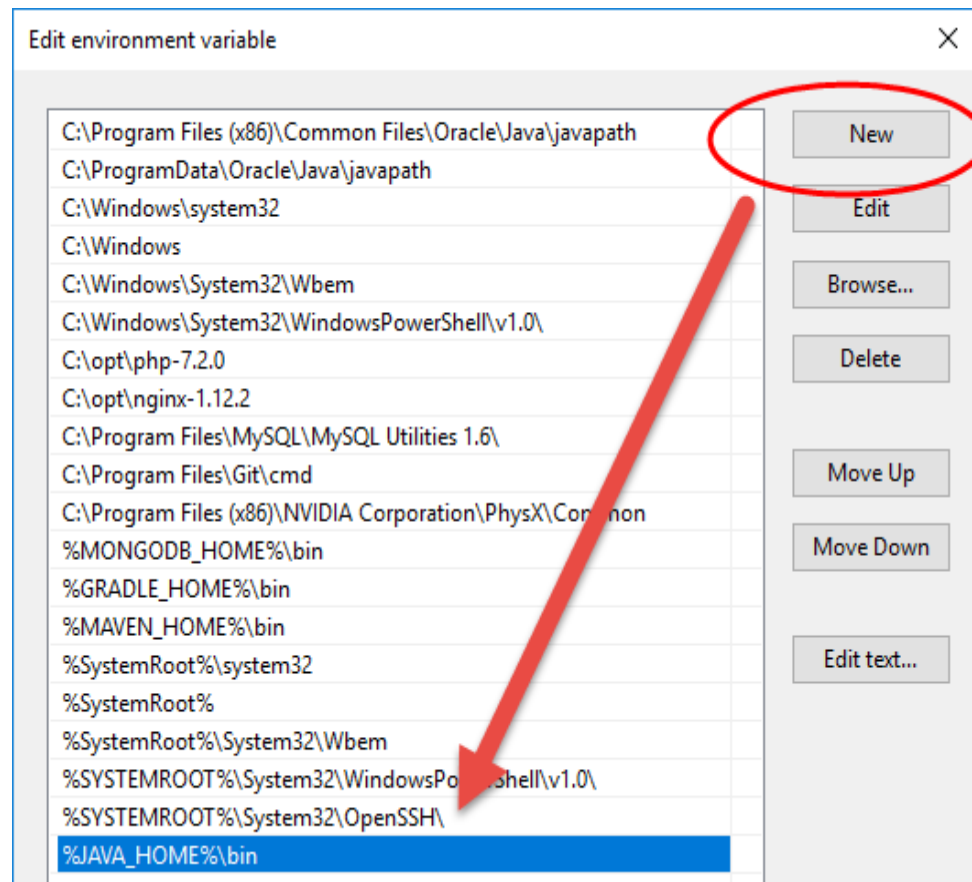
- Cấu hình java:
- 2. Update PATH
 - ▣ In System variables, find PATH, clicks edit... button :
 - ▣ In old version of Windows, it will prompt you below dialog box to edit the values directly, append this %JAVA_HOME%\bin; to the end of the line.



- Cấu hình java:
- 3. Update PATH
 - ▣ In System variables, find PATH, clicks edit... button :
 - ▣ In latest Windows 10, it will prompt you below dialog box, clicks on New button, and add this %JAVA_HOME%\bin

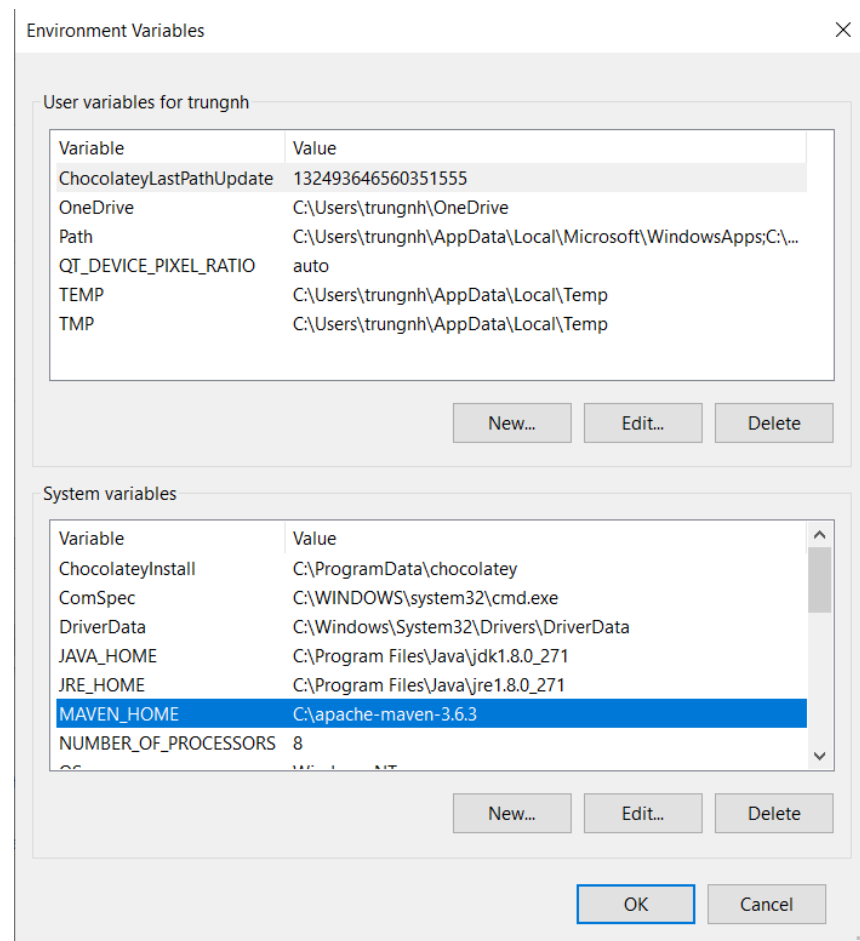


- **Cấu hình java:**
- 4. Test cấu hình: Open a command prompt, type :
 - ▣ C:\Users\trungnh>java -version
 - java version "1.8.0_60"
 - Java(TM) SE Runtime Environment (build 1.8.0_60-b27)
 - Java HotSpot(TM) 64-Bit Server VM (build 25.60-b23, mixed mode)
 - ▣ C:\Users\trungnh>javac -version
 - javac 1.8.0_60
 - C:\Users\trungnh>echo %JAVA_HOME%
 - C:\Program Files\Java\jdk1.8.0_60



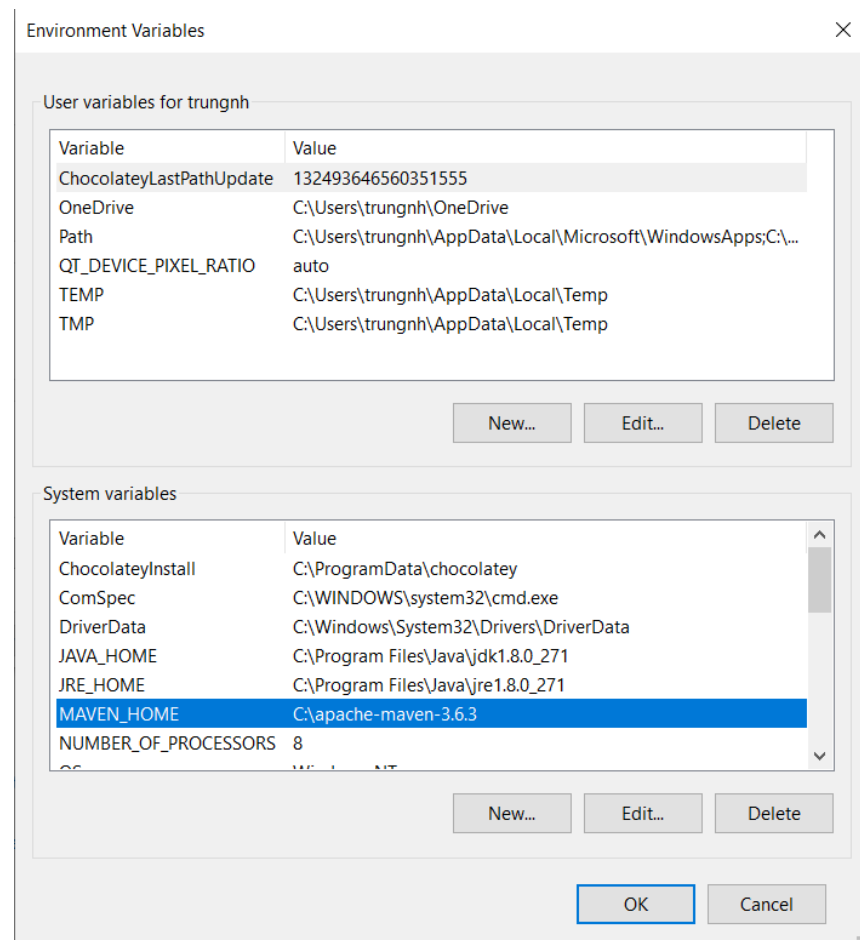
1. JDK and JAVA_HOME

- Make sure JDK is installed, and JAVA_HOME environment variable is configured.

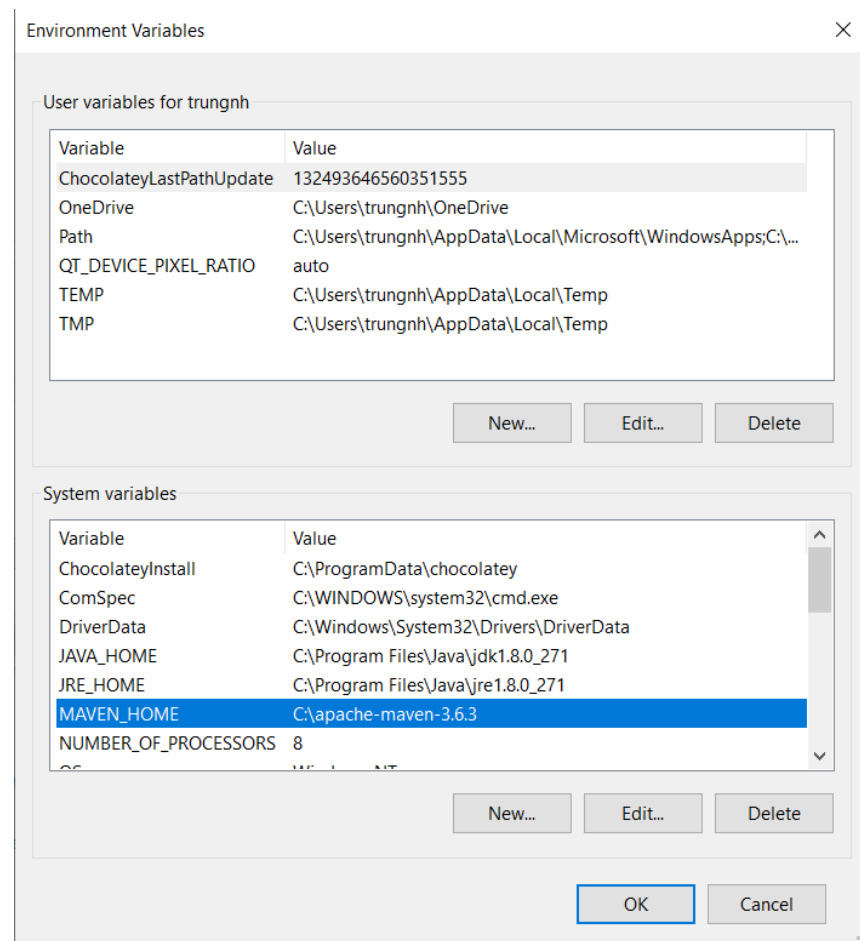


2. Download Apache Maven

- 2.1 Visit [Maven official website](#), download the Maven zip file, for example : apache-maven-3.6.0-bin.zip.
- 2.2 Unzip it to a folder. In this article, we are using c:\apache-maven-3.6.0

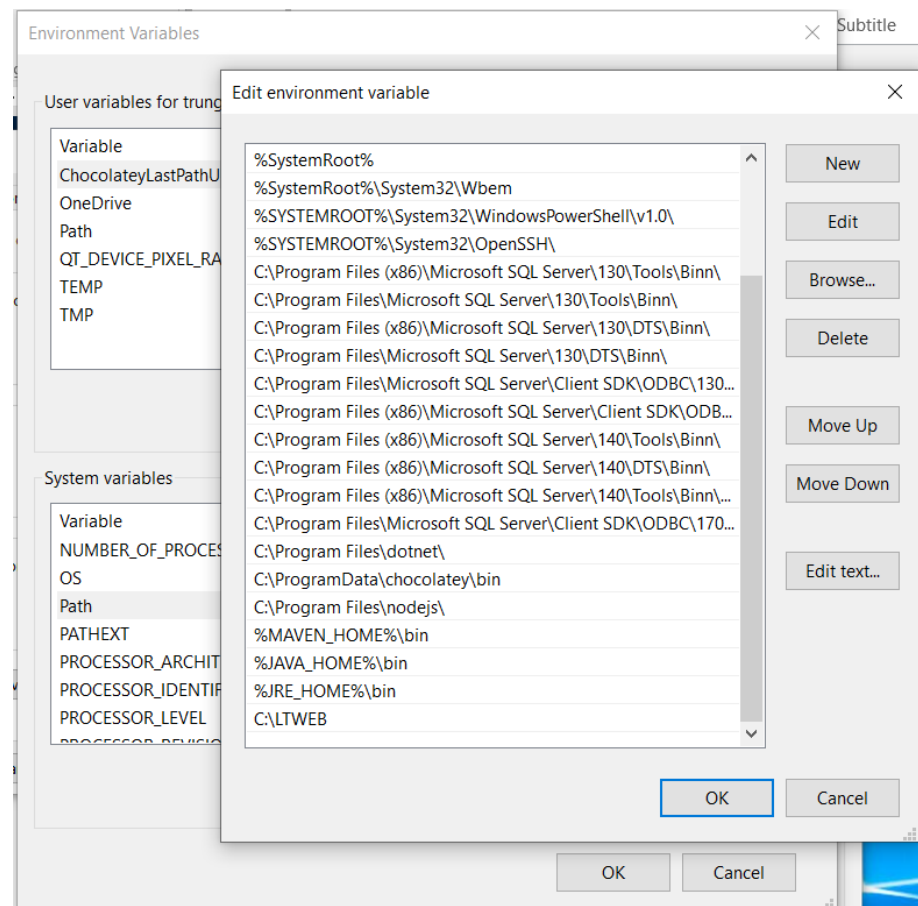


- 3. Add MAVEN_HOME system variable
 - ▣ Add a MAVEN_HOME system variables, and point it to the Maven folder.
 - ▣ 3.1 Press Windows key, type "adva" and clicks on the View advanced system settings.
 - ▣ 3.2 In System Properties dialog, select Advanced tab and clicks on the Environment Variables... button.
 - ▣ 3.3 In "Environment variables" dialog, System variables, Clicks on the New... button and add a MAVEN_HOME variable and point it to c:\apache-maven-3.6.0



4. Add %MAVEN_HOME%\bin To PATH

- In system variables, find PATH, clicks on the Edit... button. In “Edit environment variable” dialog, clicks on the New button and add this %MAVEN_HOME%\bin



- 5. Test Maven
- Done, start a new command prompt, type mvn – version :
 - ▣ C:\Users\trungnh>mvn -version
 - ▣ Apache Maven 3.6.0
(97c98ec64a1fdfee7767ce5ffb20918da4f719f3;
2018-10-25T02:41:47+08:00)
 - ▣ Maven home: C:\apache-maven-3.6.0\bin\..
- C:\Users\trungnh>echo %MAVEN_HOME%
 - ▣ C:\apache-maven-3.6.0

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