

Application Programming

Lab Guides

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DURATION:

30 MINUTES

Unit 1: Cài đặt môi trường lập trình

Objective:

- Cài đặt môi trường lập trình cho cả học kì.
- Xây dựng thử 1 ứng dụng mẫu bằng Netbean

Lab Guide 1: Install Java and Netbean 8.2 in Windows

Download Java SE Development Kit 8 or later.

Open following link on your browser:

<https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>

Java SE Development Kit 8u181

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

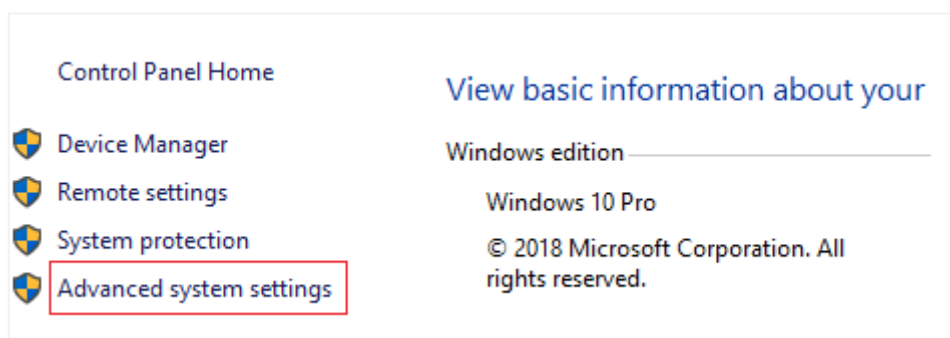
Tích chọn **Accept License Agreement** ☒ **Accept License Agreement** ☐ **Decline License Agreement**

Product / File Description	File Size	Download
Linux ARM 32 Hard Float ABI	72.95 MB	jdk-8u181-linux-arm32-vfp-hflt.tar.gz
Linux ARM 64 Hard Float ABI	69.89 MB	jdk-8u181-linux-arm64-vfp-hflt.tar.gz
Linux x86	165.06 MB	jdk-8u181-linux-i586.rpm
Linux x86	179.87 MB	jdk-8u181-linux-i586.tar.gz
Linux x64	162.15 MB	jdk-8u181-linux-x64.rpm
Linux x64	177.05 MB	jdk-8u181-linux-x64.tar.gz
Mac OS X x64	242.83 MB	jdk-8u181-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	133.17 MB	jdk-8u181-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	94.34 MB	jdk-8u181-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	133.83 MB	jdk-8u181-solaris-x64.tar.Z
Solaris x64	92.11 MB	jdk-8u181-solaris-x64.tar.gz
Windows x86	194.41 MB	jdk-8u181-windows-i586.exe
Windows x64	202.73 MB	jdk-8u181-windows-x64.exe

Chọn 1 trong 2 file tùy thuộc hệ điều hành của bạn

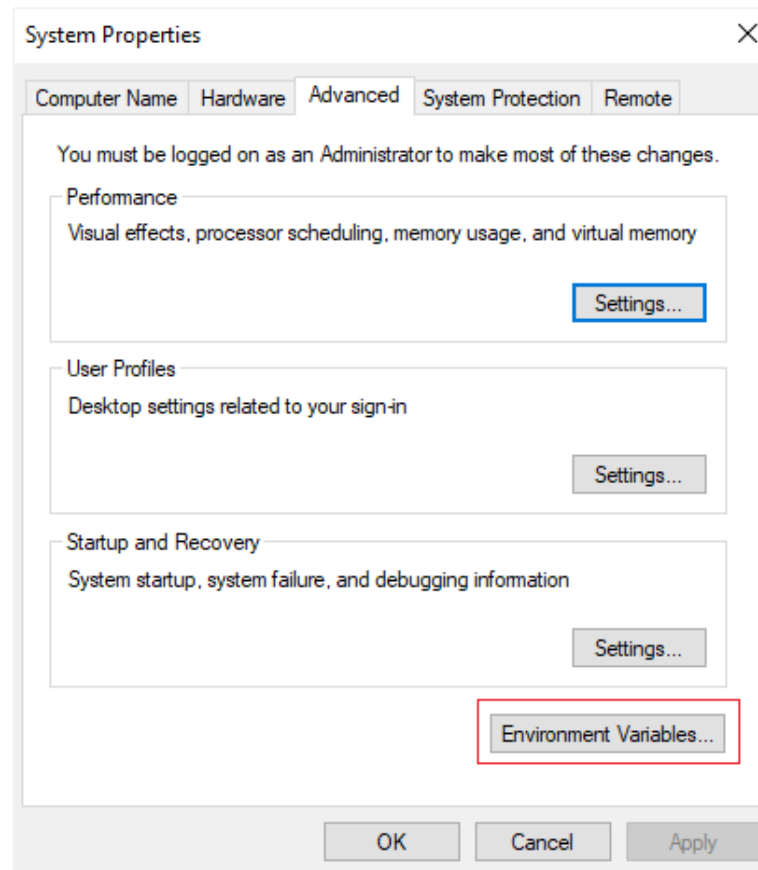
1. Install environment variable.

Right click on **This PC** | choose **Properties**.

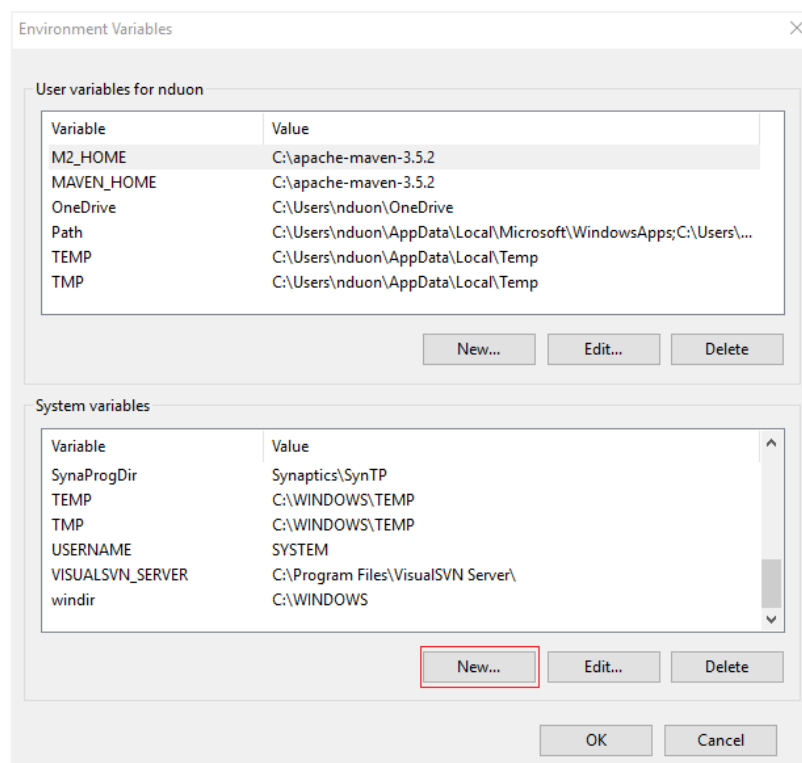


Window x64: dành cho win64
Windows x86: dành cho

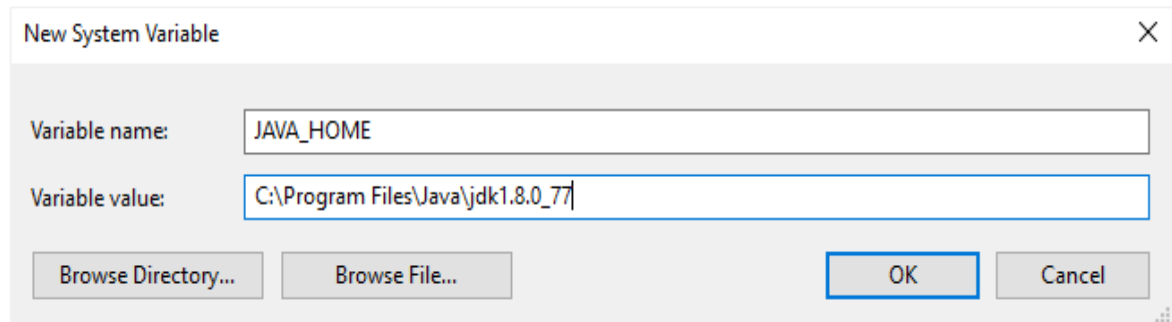
Choose **“Advanced system settings”**.



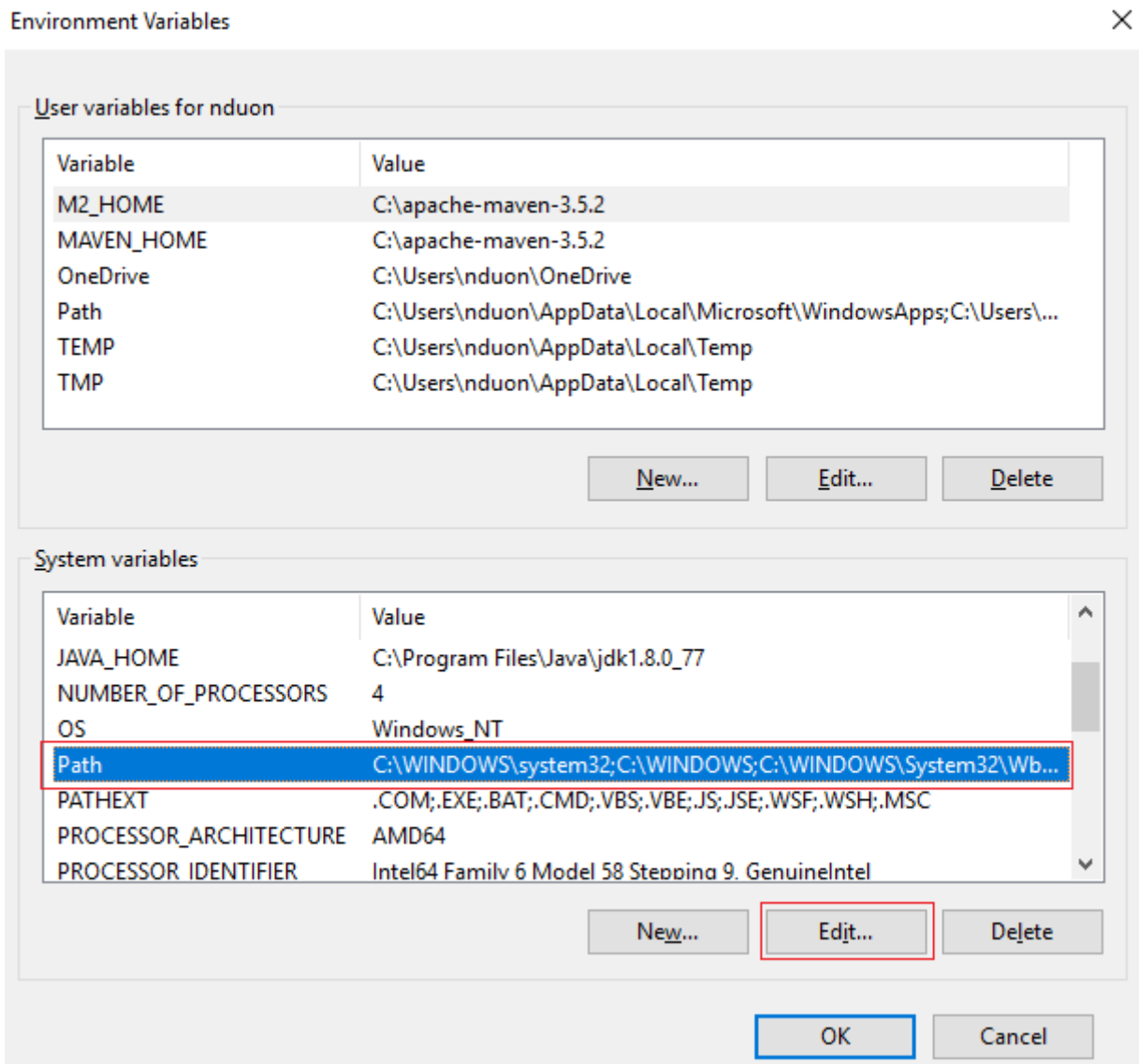
Choose **“Environment Variables”**.

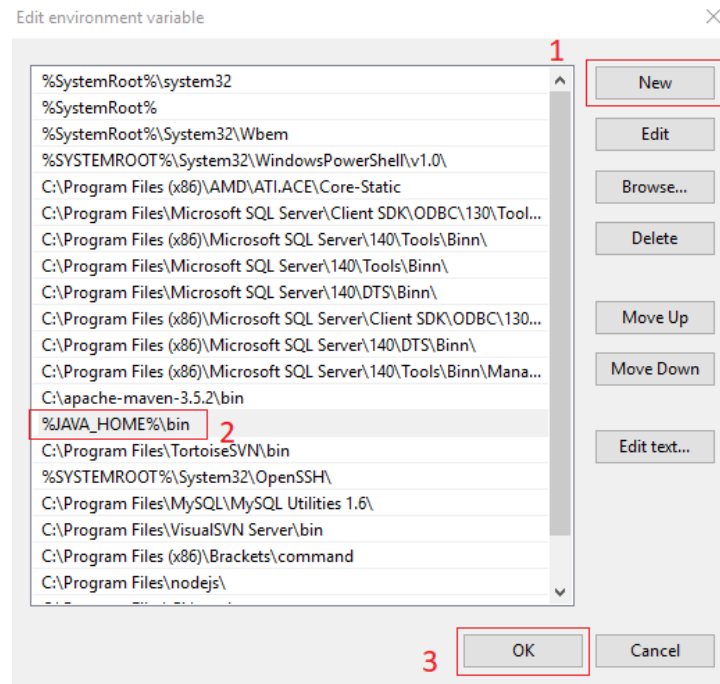


- In System variables form, choose **New**.
- Variable name: enter **JAVA_HOME**.
- Variable value: browse jdk folder that has been installed.



- Find Path variable, click it then choose “**Edit**” button.





To check if you do that exactly, open command line and type command: **java -version**

```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17134.285]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\nduon>java -version
java version "1.8.0_77"
Java(TM) SE Runtime Environment (build 1.8.0_77-b03)
Java HotSpot(TM) 64-Bit Server VM (build 25.77-b03, mixed mode)

C:\Users\nduon>
```

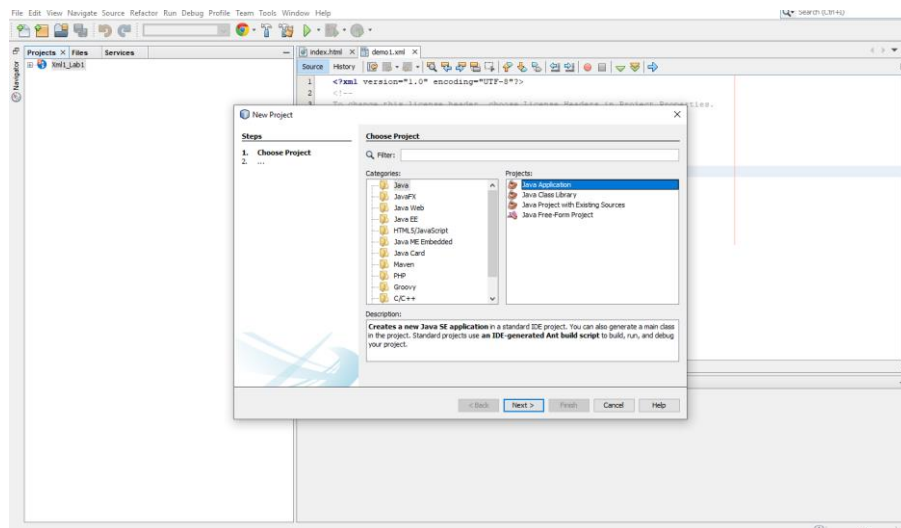
2. Install Netbean

Truy cập vào link download <https://netbeans.org/downloads/8.2/rc/>. Chọn phiên bản đầy đủ nhất. Hoặc chọn file cài đặt có sẵn trong google drive của lớp học

Choose version to download.

Lab Guide 2: Write first program: Hello World

Chọn File -> New project. Sau đó chọn Java->Java Application



HelloWorld.java

```
HelloWorld.java - Notepad
File Edit Format View Help
public class HelloWorld {
    public static void main(String[] args) {
        System.out.println("Hello World");
    }
}
```

Thực thi file HelloWorld.java

```
C:\Windows\System32\cmd.exe

C:\Users\nduon\Desktop\HelloWorld>javac HelloWorld.java

C:\Users\nduon\Desktop\HelloWorld>java HelloWorld
Hello World

C:\Users\nduon\Desktop\HelloWorld>
```

Lab Guide 3: Xây dựng HelloWorld bằng XML

Tạo mới file xml có tên HelloWorld.xml

Xây dựng với nội dung như sau

```
1  <?xml version="1.0" encoding="UTF-8"?>
2
3  <root>
4    <hello>Hello World</hello>
5  </root>
6
```

Lab Guide 4: Cài đặt Code Visual Studio

Truy cập vào link để download file cài đặt: <https://code.visualstudio.com/> hoặc tải file từ thư mục cài đặt trong google drive của lớp học

Double click vào file cài đặt và tiến hành cài đặt cho ứng dụng

