Introduction to Java

In order to write Java programs on our computer, we need to prepare the software development environment on our computer. There are two pieces of software and then some configuration:

1. Install Java
2. Configure computer to read Java
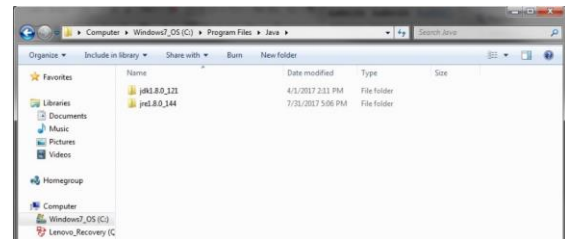3. Install Eclipse IDE

Step 1: Install Java Developer Kit (JDK)
http://www.oracle.com/technetwork/java/javase/downloads/index.html

Step 1.A – Download JDK

- Follow the link to Download the latest edition
- Be sure to select "Accept License Agreement"
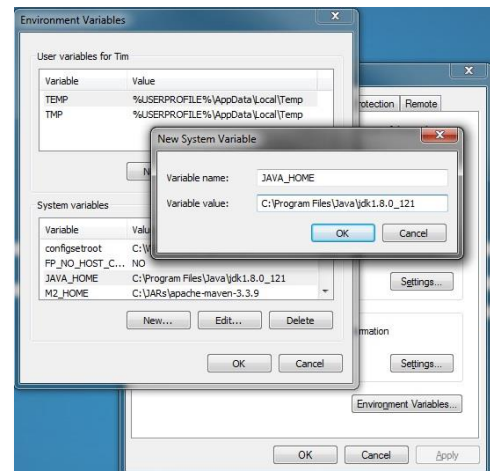- Select your system's operating system

Step 1.B – Install Java

- Once downloaded, follow the prompts to install JDK.
- Verify that Java is installed by navigating to your Program Files > Java folder in Windows Explorer

Step 1.C – Configure Environment Variables

- In Control Panel, click Edit System Environment Variables
- Click Environment Variables
- Under System Variables, Click New
  Variable Name: "JAVA_HOME"
  Variable Value: Use the directory of the Java installation path up to and including the jdk1.x folder
- Modify the PATH variable to include the jdk1.x/bin folder

Step 2: Install Eclipse IDE

http://www.eclipse.org/downloads/packages/

You can download the Eclipse installer, which will prompt you to download the various version of Eclipse you want. Or you can download the direct Eclipse version from the above link. For the purposes of this course, select the download for "Eclipse IDE for Java EE Developers."

Eclipse releases its updated products periodically and is named alphabetically with each new release. Choose the latest release or latest minus one.

Then simply follow the prompts to install.

The default directory will be on your home user path with a new folder "eclipse"