Setup Instructions for Modern Java

Instructions are included for Windows and MacOS. Choose between an Intellij or Eclipse installation

Download this 3rd-party software:

a. Download JDK 13.

JDK 13	https://www.oracle.com/technetwork/java/javase/downloads/jdk13-downloads-5672538.html

b. Intellij IDE for Java SE Developers (2019 Community Edition)

Community	Windows 64-bit
	https://www.jetbrains.com/idea/download/download-thanks.html?platform=windows&code=IIC
	Mac OSX
	https://www.jetbrains.com/idea/download/download-thanks.html?platform=mac&code=IIC

c. Or, Eclipse IDE for Java SE Developers (2019-12)

2019-03	Windows 64-bit
	https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2019-12/R/eclipse-inst-win64.exe
	Mac OSX
	https://www.eclipse.org/downloads/download.php?file=/oomph/epp/2019-12/R/eclipse-inst-mac64.dmg

Configuring for Windows:
JDK installation
1. Download and install JDK 13. Default installation directory will be: C:\Program Files\Java\jdk-13.0.1
2. Configure JAVA_HOME environment variable in your System Variables to \PROGRA~1\Java\jdk-13.0.1
3. Configure PATH environment variable in your System Variables, add to the beginning of the PATH variable -> %JAVA_HOME%\bin;
4. Test your Java environment from the new command prompt window
   a. java -version
   b. javac -version

Intellij installation
5. Execute the downloaded Intellij installation from your browser and accept the defaults.
6. Test your Intellij installation.

Eclipse installation
7. Execute the downloaded .exe file.
8. Execute the Eclipse installer.
9. Select the "Eclipse IDE for Java Developers" and select Install and accept the license agreement as well as the Eclipse Foundation Software Agreements. Select and accept the Eclipse Foundation; Java Software Code Signing certificates.
10. Start Eclipse from the Launch button or from Applications.

Configuring for MacOS:
1. Download and install JDK 13. Default installation directory will be /Library/Java/JavaVirtualMachines/jdk-13.jdk/Contents/Home
2. Configure JAVA_HOME environment variable in your ~/.bash_profile, e.g. export JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk-13.jdk/Contents/Home/
3. Test your Java environment from the new command prompt window
   a. java -version
   b. javac -version

Intellij installation
4. Execute the downloaded .dmg file. Drag the Intellij icon to Applications
5. Test your Intellij installation

Eclipse installation
6. Execute the downloaded .dmg file
7. Execute the Eclipse installer. Select the pre-installed JDK 13 for Java and /Applications/Eclipse as the installation folder.
8. Select the "Eclipse IDE for Java Developers" and select Install and accept the license agreement as well as the Eclipse Foundation

Software Agreements. Select and accept the Eclipse Foundation; Java Software Code Signing certificates.

9. Start Eclipse from the Launch button or from Applications.