

Assignment 18 requires you to write a program in Java. To complete the assignment you will need to (1) install a Java compiler, (2) install a Java integrated development environment (IDE), and (3) install the software distribution for this course.

1. Install a Java compiler.

We will be using Java 11 from AdoptOpenJDK, which supplies a free Java Development Kit (JDK) with an open-source license. Click on the following link.

<https://adoptopenjdk.net>

For the version, select OpenJDK 11 (LTS), which stands for Long Term Support. For the JVM (Java Virtual Machine), select HotSpot.

Follow the usual procedure for your platform – Mac, Windows, or Linux – to install the JDK.

2. Install a Java Integrated Development Environment (IDE).

We will use an IDE from JetBrains called IntelliJ IDEA. Here is a link to the JetBrains IntelliJ IDEA page.

<https://www.jetbrains.com/idea/>

Click the Downloads button to get to the downloads page for your platform. The page shows two versions of IntelliJ IDEA – Ultimate for enterprise development and Community for free open-source. Select the Community version, download it, and install it on your machine. The app will be named "IntelliJ IDEA CE".

NOTE: There is a third version of IntelliJ IDEA for education that you might encounter on the JetBrains site. Do *not* install the edu version.

3. Install the software distribution for this course.

Download the following software distribution

<http://www.cslab.pepperdine.edu/warford/cosc450/cosc450JavaDistr.zip>

which contains all the Java programs for this course. You can open it with the IntelliJ IDE.