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](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/](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


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