

COMP 1600 Fall 2025

Lab 0: Java 21 and IntelliJ

Today's lab session will be devoted to an introduction to the course software. We will also learn how to download and install this software on personal computers.

Demonstration of IntelliJ

Don't be afraid to ask for help. The main purpose of this lab is to make sure that you have the software resources that you need, that you know how to run and navigate these applications, and that you are ready to begin Lab 1 on Tuesday.

Java 21

In order to develop software in Java, you need to install the Java Development Kit (JDK). In a web browser, navigate to <https://www.oracle.com/java/technologies/downloads/#java21>.

Select the operating system (probably Windows) and click the link for the x64 Installer.

Go to your downloads folder and double click on jdk-21_windows-x64_bin.exe. Follow the instructions in the dialog box, taking all the default options that are presented.

IntelliJ

The JDK has the tools that you need to compile and run your Java programs. However, in order to create your program you need an programmer's editor. We have selected an Integrated Developer's Editor (IDE) for our three course sequence, called IntelliJ. In a web browser, navigate to <https://www.jetbrains.com/idea/download/?section=windows>.

On the resulting webpage you will be looking at the download links for the Ultimate version (on a white background). Do not download the Ultimate edition, which costs money! Rather, scroll down until the background is black and you will see download links for the Community edition. Select your operating system from the drop down and click on the Download button.

Go back the downloads folder and double click on idealC-2025.2.exe. Follow the instructions in the dialog box, taking all the default options that are presented.