

Oracle Code One 2018 HOL 6006 Lambda Programming Laboratory Setup Instructions

This hands-on lab is a “Bring Your Own Laptop” (BYOL) laboratory. It is recommended that attendees set up their environment in advance. This requires installing JDK 10.0.2 and Apache NetBeans 9. (Please note, older versions of NetBeans the such as 8.2 **do not work** with recent versions of the JDK.)

Download the JDK 10.0.2 release from here:

<http://jdk.java.net/10/>

Unpack the archive and set your PATH to point to the “bin” directory in the unpacked hierarchy.

Download Apache NetBeans 9 from here:

<https://netbeans.apache.org/download/index.html>

NetBeans can be invoked from the command line by switching to the directory that was just unpacked and by invoking bin/netbeans (Mac or Linux) or bin\netbeans64.exe (Windows).

The Lambda Programming Laboratory materials are in this GitHub repository:

<https://github.com/stuart-marks/LambdaHOLv2>

It can be cloned using git, or it can be downloaded as a zip file via the web interface. When you have downloaded the lab materials, open the README.html file in a browser. This file contains the lab instructions.

For reference, JDK API documentation (javadoc) is available online here:

<https://docs.oracle.com/javase/10/docs/api/overview-summary.html>

We will provide all the necessary installers at the lab for attendees who are unable to install the software in advance. Supported platforms include Linux, MacOS X, and Windows. Please note that a 64-bit environment is required for all platforms. Attendees who wish to use another IDE may do so, as long as they are willing to set it up themselves. All that's required from the IDE is JDK 10 support and the ability to run JUnit tests. The NetBeans project files should be easily adaptable to another IDE.