Northeastern University
CSYE 6200 – Concepts of Object-Oriented Design
Fall 2022, Prof. Jones Yu

Lab1

No submission is required

In this lab, we would like you to setup your programming environment and warm up with a few programming problems.
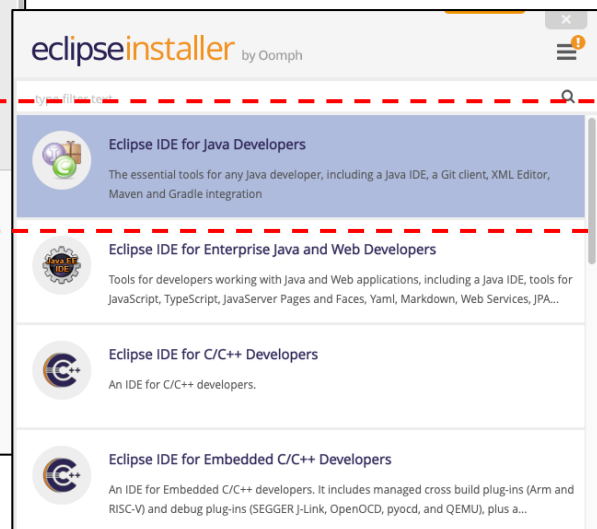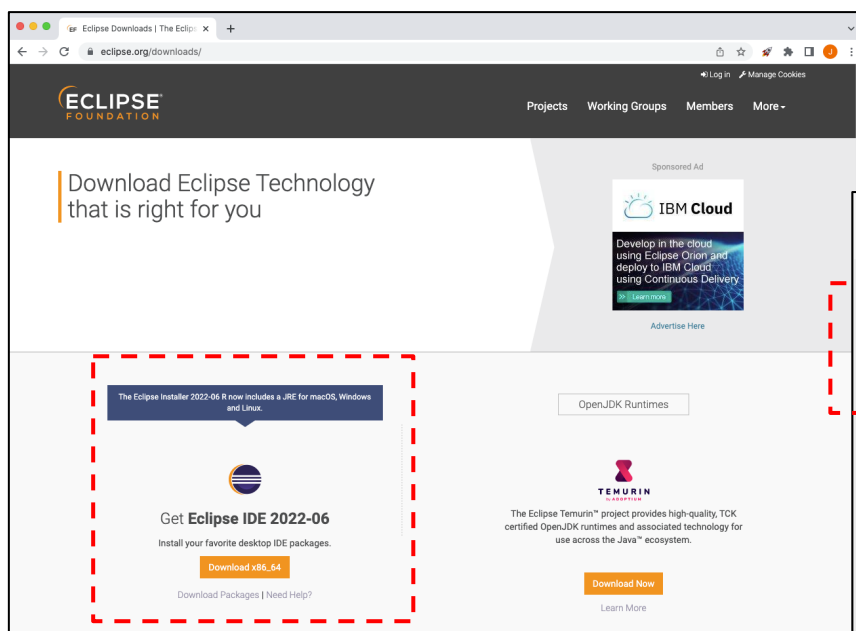
Problem 1: Environment Setup

Let's setup your environment and work on your first Java program.

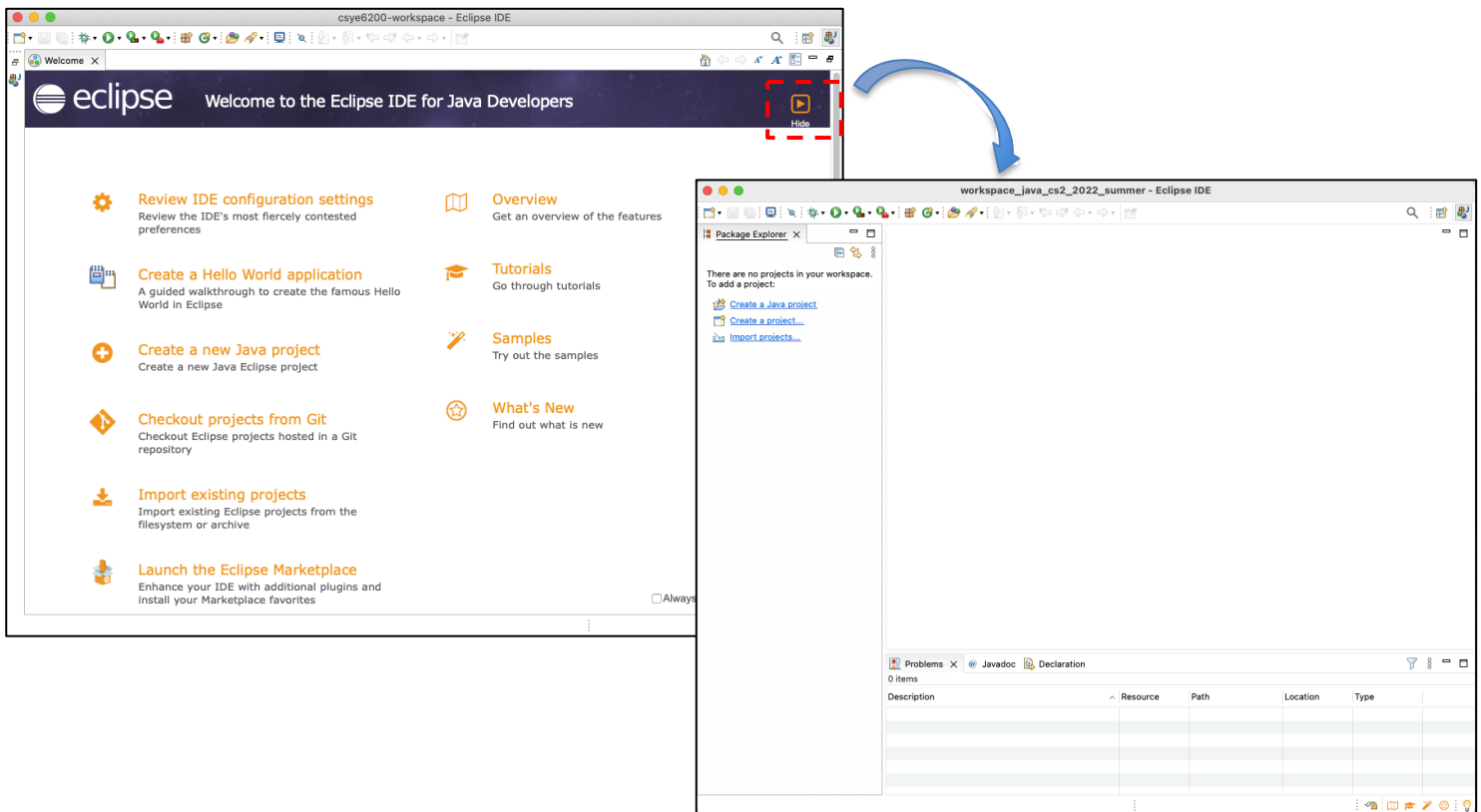1. Obtain the Java SE Development Kit 18 from Oracle:
   https://www.oracle.com/java/technologies/downloads/

2. Obtain the eclipse IDE: https://www.eclipse.org/downloads/ (Eclipse IDE 2022-06)
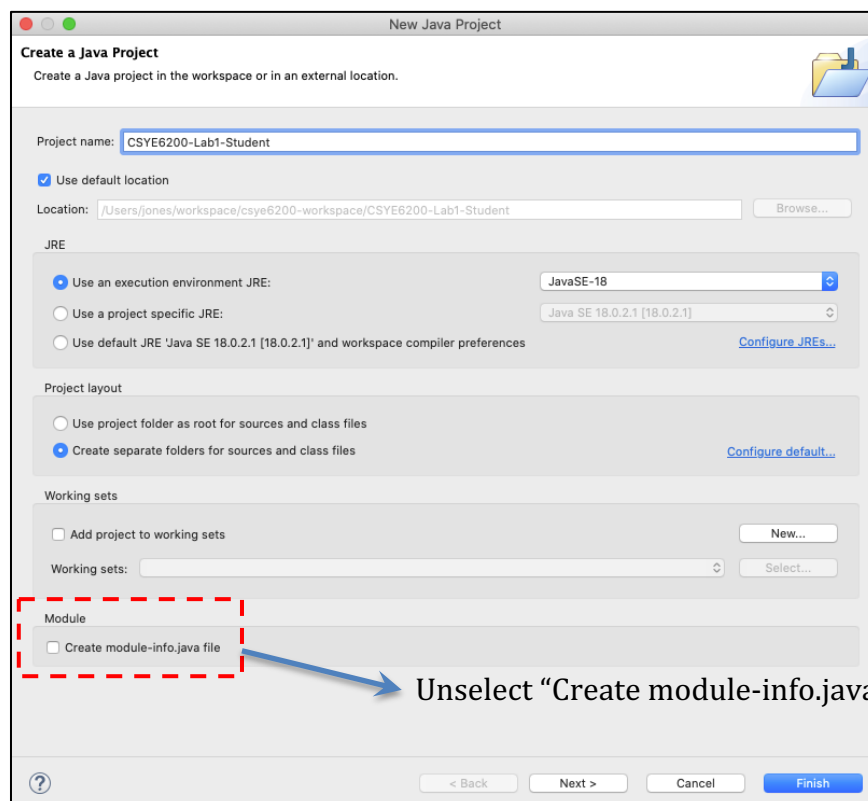
3. Print out "Hello CSYE 6200!" to the console to show that your environment is ready to write and compile a Java program.
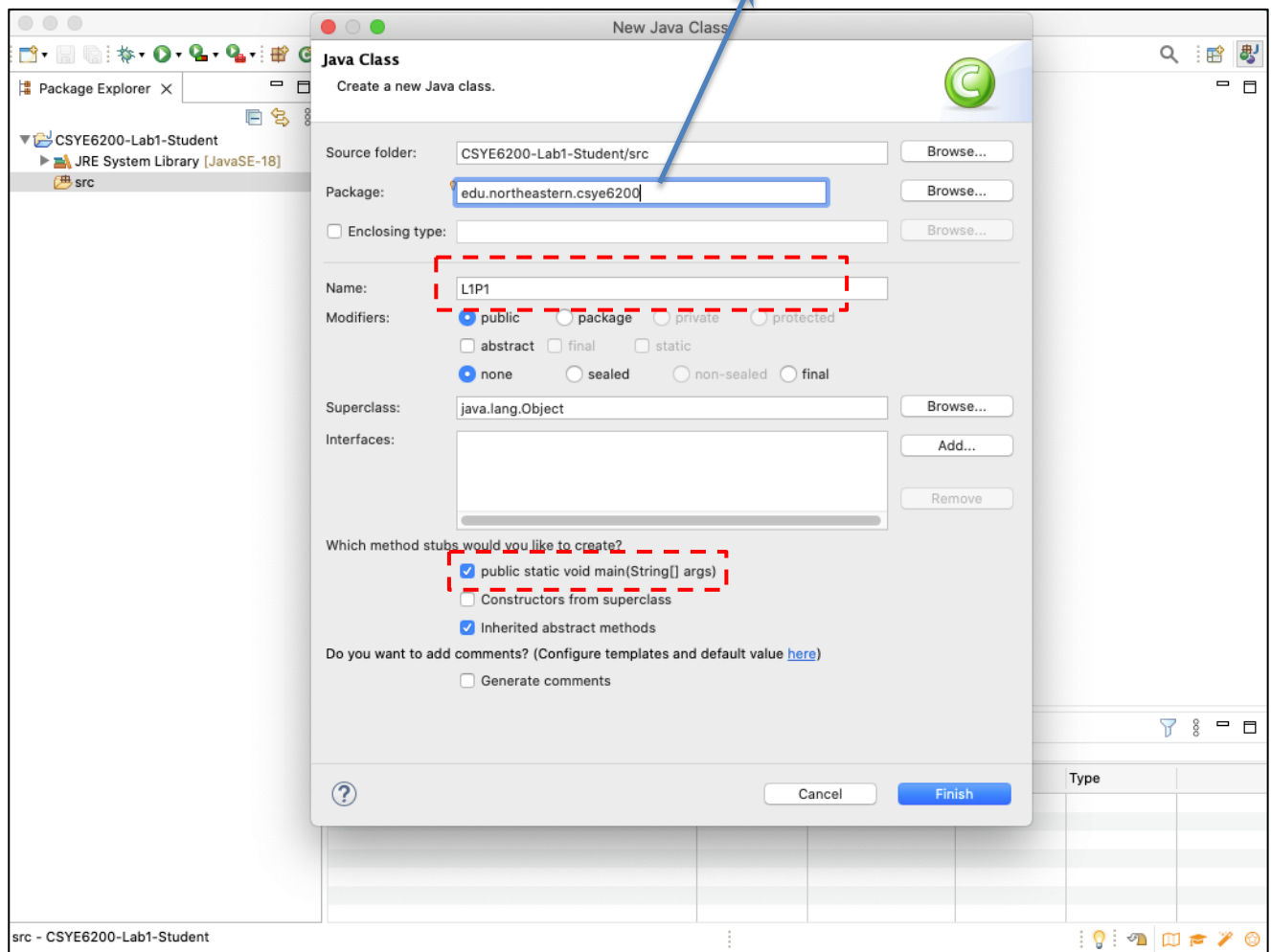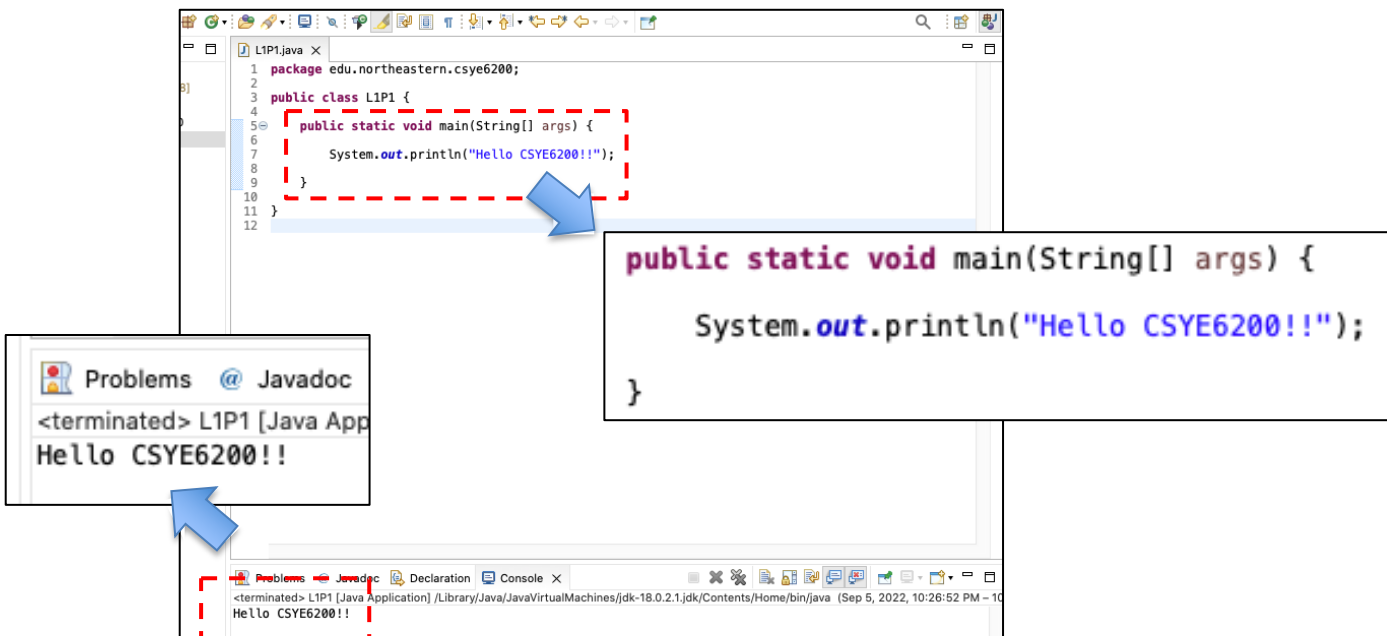

Eclipse IDE for Java programming

Create a new Java project, named "CSYE6200-Lab1-Student"

Rick click "src" folder to add a new Java class, named "L1P1"

Type the statement and run to see the result

Problem 2: (You can add L1P2.java into the same project as above.)

Write a program to help carpenters. Sometimes measurements are given in terms of yards, feet, and inches. Your program will convert these three numbers into a total number of inches. When running, it will prompt the user first for the number of yards, then the number of feet, and finally the number of inches. Assume all numbers are whole (integers). Your program must compute the total number of inches by converting each of the three inputs into inches and summing them all together. Finally, print out the total length in inches. Recall that 1 yard = 3 feet, and 1 foot = 12 inches.

The following represents a sample run of the program in which the user inputs 1 for the number of yards, 2 for the number of feet, and 3 for the number of inches (yielding a correct output of 63 total inches). The example text marked with green color means the user's input and the black color is the program's output.

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Enter number of yards: 1
Enter number of feet: 2
Enter number of inches: 3
Total number of inches: 63
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