CS 5040: Data Structures and Algorithms

Setup Java and IDE Instructions

The goal of this module is to setup the Java compiler and IDE and write simple java programs.

If you are not familiar with Java, this is the time to start learning java. The following 3 attachments guide you through the process of installing the Java compiler and the Jgrasp IDE.

1. File *Software_Installation.pdf* is to help you setup Java and JGRASP on your computer. JGRASP is an easy to use IDE (integrated development environment). Once you type a java program in JGRASP, it takes couple clicks to compile and run the program. If you use another IDE, that is perfectly fine.

2. File *My_First_Java_Program.pdf* is to walk you through JGRASP and show you how to format code to proper indentation, compile the code, and then run the code to see its outputs.

3. File *JavaPrograms-KnowYourIDE.pdf provides* six java programs to start with. Each program illustrates some essential concepts to use when writing simple java programs.

Homework (for yourself, no submission is required):

1. Type, compile, and run program ComputeFactorial.java, Listing 18.1, page 707, from the recommended text book.

2. Type, compile, and run program RecursivePalindrome.java, Listing 18.4, page 714, from the recommended text book.

3. Type, compile, and run program RecursiveBinarySearch.java, Listing 18.6, page 716, from recommended the text book.