Homework 7: Assembler

Requirements:

Build the HACK architecture Assembler, in Java, per the instructions and guidance covered in class. Test the HACK code your project generated in the simulator and TextComparer (see link at bottom).

Grading method:

As usual with programming assignments, we look for elegance, clarity, reasonable documentation, and neatness.

Follow the instructions in lecture as far the classes and methods to build, as well as allowing command-line arguments as instructed. Document EVERY method (description, precondition, postcondition) and add author information on EVERY file.

What do you turn in?

The **.java files** (there are 4 of them) ONLY, in a ZIP file per Project Submission Guidelines (see document on Blackboard). The four Java files are: ***Assembler.java, Code.java, Parser.java,*** and ***SymbolTable.java***, the well built points below are for sticking to this Object Oriented design.

NOTE: DO NOT SUBMIT PROJECT FILES (Eclipse, JCreator, etc.) and **the Java files should not be part of a package**. To test, place all 4 files in a folder and open in Geany. Compile all and run Assembler.java, the instructor will grade in a similar environment. Failure to follow instructions may result in a 0 or non-submission. You may provide a console/GUI environment if you'd like but **the provided Assembler.java must keep the command-line arguments for instructor grading purposes.**

Assembler	***Working?***
Working?	/ 60
Well built?	/ 30
Subtotal	/ 90
Documentation	/ 100

See http://nand2tetris.org/06.php *for some tips/resources/tools (note that the assignment on the website may be substantially different from the assignment that is described above, if you need clarification email your instructor. You will be graded based on this documents requirements).*