

ASSEMBLER README: - Written by Lam Ngo and John Rieffel.

- Open a asm file and reads it line by line. Delete anything after # and can handle labels. And translate into hex file, that can be loaded into logisim. The hex file will be created in the same folder, and if a file with the same name has already existed, it will be replaced.
- Three lines of code are hard coded to initialize the stack at the start of every program.
- Make sure when you use label in your assembly files, that you include a ";" after it, and write your code immediately on the same line.
- Currently it does not handle illegal opcodes.
- Look for opcode in opCodeDict dictionary and for registers binary number in operands dictionary.
- Include support for some pseudo instructions, such as bgt, blt, sgt.
- Based on Professor Rieffel, Union College's skeleton code.