CPSC260 Homework 2 - LMC

1. Implement the LMC using C, filling in the missing sections of the **fetch-decode-execute** cycle and flags, from the starter code. Run your implementation against the provided test programs, see the accompanying "programNotes.txt" file for more info about each test program.
2. Provide the mnemonic version of each test program in a .txt file named **mnemonics.txt.** Clearly label each program within this file.

Do not modify the Makefile, LMC.h, or main.c files. Code your work inside the LMC.c file.

Note: You can enable/disable "debug mode" by changing the variable on the InitializeLMC(0); function call between 0 and 1. **Be sure to set it to 0 for final submission.**

```
initializeLMC(0);        //debug mode disabled
initializeLMC(1);        //debug mode enabled
```

Submission:
        Inside a folder named with your name and HW2, include all the source code, test programs, and your mnemonics.txt file. Zip up this folder and submit to canvas by the due date. For example, mine would look like this:

```
bryanfischerHW2
├── LMC.c
├── LMC.h
├── Makefile
├── main.c
├── mnemonics.txt
├── program1.txt
├── program2.txt
├── program3.txt
├── program4.txt
├── program5.txt
├── program6.txt
├── program7.txt
└── programNotes.txt
```