Cosc 2150   Homework 10
Due: May 3, 2017   25 points.

You are going to add the rest of the assembly language instructions to your simulator.

For this assignment your simulator will be able decode and run the following instructions the full set of IAS instruction. This is jump M(X), jump+ M(X), add M(X), add |M(X)|, sub M(X), sub |M(X)|, mul M(X), div M(X), lsh, and rsh.

Program requirements:
1. **Any corrections needed for homework 9.**
2. Other than #1, The decode and execute should be the only 2 methods/functions that will need to be changed, so that the simulator can decode and execute the new assembly language instructions.
3. At this point you should now be able to test your simulator with any IAS code you wrote for homework 1, 3, and 4.

Turn in:
Hard copy:
      A cover page with the following information
<div align="center">
Cosc 2150
Homework #10
your Name
Section #
Repo name
</div>
in large font at the top of the page. At the bottom of the page, include a non-empty statement of help delivered and help received. It is OK to state that no help was given or received. It is **NOT** ok to omit the statement of help.

Soft Copy:
4. Copy any .cpp and .h files to the repo
5. Output files for each test file. Called, out1.txt and out2.txt
6. Edit readme.md file, add the following:
   - Name
   - List anything that doesn't work (that you know of)
7. Lastly, verify all the necessary are on the github website. If the files are missing then you **DID NOT** turn it in.