

Lab 7

Take the first letter from your first name and the first letter from your surname

If the first letter from your first name comes earlier in the alphabet than the first letter in your surname then do the STACK this week, else do the QUEUE

Build a Stack / Queue class to process the set of commands in Stack.txt / Queue.txt.

Your goal is to run all the commands in the list and then PEEK at the data structure. What result is returned from the PEEK()?

You can use the FileIO class provided on Moodle to load the file

You should build your own Stack or Queue class rather than using the existing ones from the Java libraries

IMPORTANT NOTE: Build your Stack / Queue so that it only has space for 100 elements. The array you use should only have 100 slots. If a command is issued to insert into a full data structure, then it should be ignored.