

Hacettepe University	
Computer Science and Engineering Department	
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Identity Number	: 21827899
Course	: BB101
Experiment	: Programming Assignment 4
Subject	: Stack and Queue Operations
Data Due	: 10.06.2020 (23:59)
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Main Program	: b21827899.zip/src/Main.java

Software takes a txt file as an input and executes command on it. These commands are about a stack and a queue file. After execution of each command, software logs info on output files and updates stack and queue txt files.

Information about Algorithm

1. Creates stack and queue objects with given values on the txt files.
2. Reads lines in command.txt
3. For each line executes the command on the line.
4. After each execution updates stack.txt and queue.txt. At the same time it logs information about both stack and queue commands executions on output txt files.

removeGreater operation:

This operation takes a while loop to work. It's complexity is $O(n)$. It differs according to the size of the queue or stack. There's an extra while loop after that but that's for reversing the stack or queue.