Hacettepe University Department of Computer Engineering

BBM104 Introduction to Programming Laboratory II

Assignment IV

Name:Şevval

Surname: Atmaca

Student Number:b21827115

DEFINITION OF PROBLEM

Creating our own stack and queue class without implementing a stack and queue library and creating stack and queue specific methods.

STEPS OF ALGORITHMS

1. I read the stack and queue files and saved these files in the stack and queue structures.

2. I created stack and queue methods (pop (), push (), enqueue (), etc.) without using the library.

3. I created other methods using these methods (removeGreater (), sort (), reverse (), etc.)

4. I called these methods according to command.txt and updated the structure I used in stack and queue.

5. finally I printed this structure output text files

THE METHOD OF REMOVE GREATER NUMBER

In this method, for the stack and queue structure, I used the pop method in stack or dequeue in queue method to remove the element in top of the stack , in front of the queue. The compare it to see if this number is greater than the given number the new structures (stack or queue) structure I did not add but if it is small, I added new structures (stack or enqueue).Finally I update this structures.