Exercises on stacks and queues
1. Reverse the order of a stack
- Using 2 additional stacks
- Using one additional queue
- Using one additional stack and some additional non-array variables

2. Put the elements on the stack S in ascending order using one additional stack and some additional non-array variables.

3. Transfer elements from stack S1 to stack S2 so that the elements from S2 are in the same order as on S1
- Using one additional stack
- Using no additional stack but only some additional non-array variables

4. Using additional non-array variables, order all elements on a queue using
- two additional queues
- one additional queue

5. Write a program that determines whether an input string is a palindrome; that is, whether it can be read the same way forward and backward. At each point, you can read only one character of the input string; do not use an array to first store this string and then analyze it (except, possibly, in a stack implementation). Consider using multiple stacks.

6. Write a program that can reverse the order of words of a sentence using stacks