









Challenge 3: Reversing First k Elements of Queue

Can you reverse first "k" elements in a given queue? A solution is placed in the "solution" section for your help, but we would suggest you solve it on your own first.

We'll cover the following

- Problem Statement
 - Output
 - Sample Input
 - Sample Output
- Coding Exercise

Problem Statement#

Implement the function reverseK(queue, k) which takes a queue and a number "k" as input and reverses the first "k" elements of the queue. An illustration is also provided for your understanding.

Output#

The queue with first "k" elements reversed. Remember to return the queue itself!

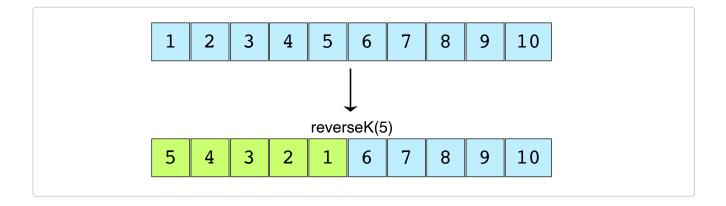


In case the value of "k" is larger than the size of the queue label a label with the size of the queue label a label with the queue is empty, simply return None instead.

Sample Input#

Queue =
$$[1,2,3,4,5,6,7,8,9,10]$$
, k = 5

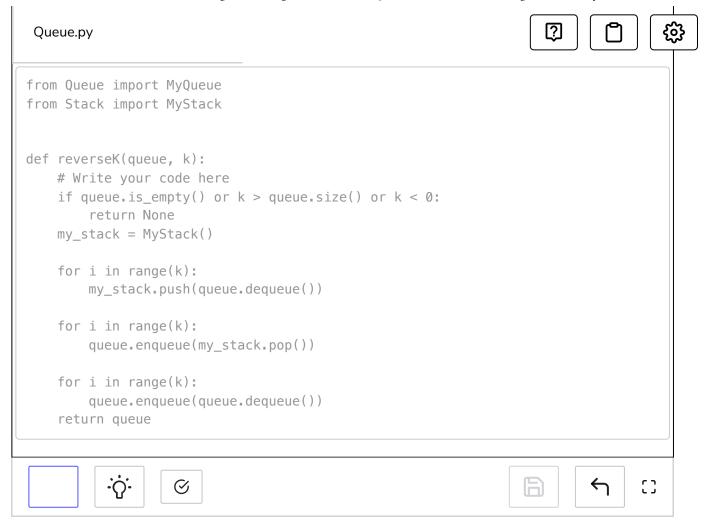
Sample Output#



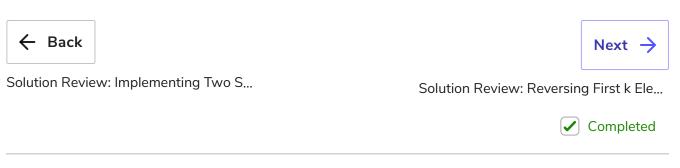
Coding Exercise

Take a close look and design a step-by-step algorithm first before jumping onto the implementation. This problem is designed for your practice, so try to solve it on your own first. If you get stuck, you can always refer to the solution provided in the solution section. Good Luck!





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