

Challenge 2: Find k smallest elements in a List

Given a list and a number "k" write a function that returns the first "k" smallest elements using a Heap?

We'll cover the following

- Problem Statement
 - Output
 - Sample Input
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- Coding Exercise

Problem Statement

Implement a function findKSmallest(lst,k) that takes an unsorted integer list as input and returns the "k" smallest elements in the list using a Heap. The minHeap class that was written in a previous lesson

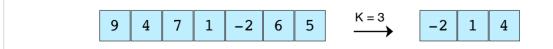
(https://www.educative.io/collection/page/5642554087309312/5634727314718720/573855459232 9728/) is prepended to this exercise so feel free to use it! Have a look at the illustration given for a clearer picture of the problem.

Output

Returns integer list that contains the first k smallest elements from the given list.

Sample Input

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!

