

Challenge 1: Convert Max-Heap to Min-Heap

Given a Max-Heap convert it into a Min-Heap. 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 a function `convertMax(maxHeap)` which will convert a binary Max-Heap into a binary Min-Heap. Where `maxHeap` is a list which is given in the `maxHeap` format, i.e, the parent is greater than its children.

Output

Returns converted list in *string* format

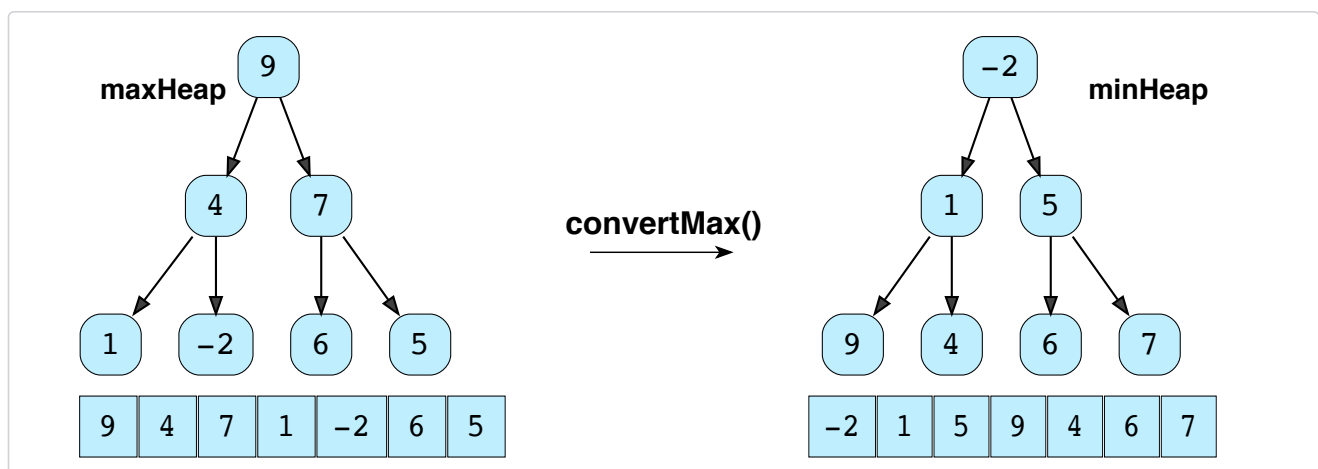
Sample Input

```
maxHeap = [9,4,7,1,-2,6,5]
```

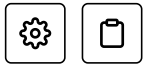
Sample Output

```
result = [-2,1,5,9,4,6,7]
```

Have a look at the following diagram








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!

```
1 def convertMax(maxHeap):
2     # Write your code here
3     pass
4
```




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Min Heap (Implementation)

Solution Review: Convert Max-Heap t...

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 Ask a Question

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