



# 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]
```

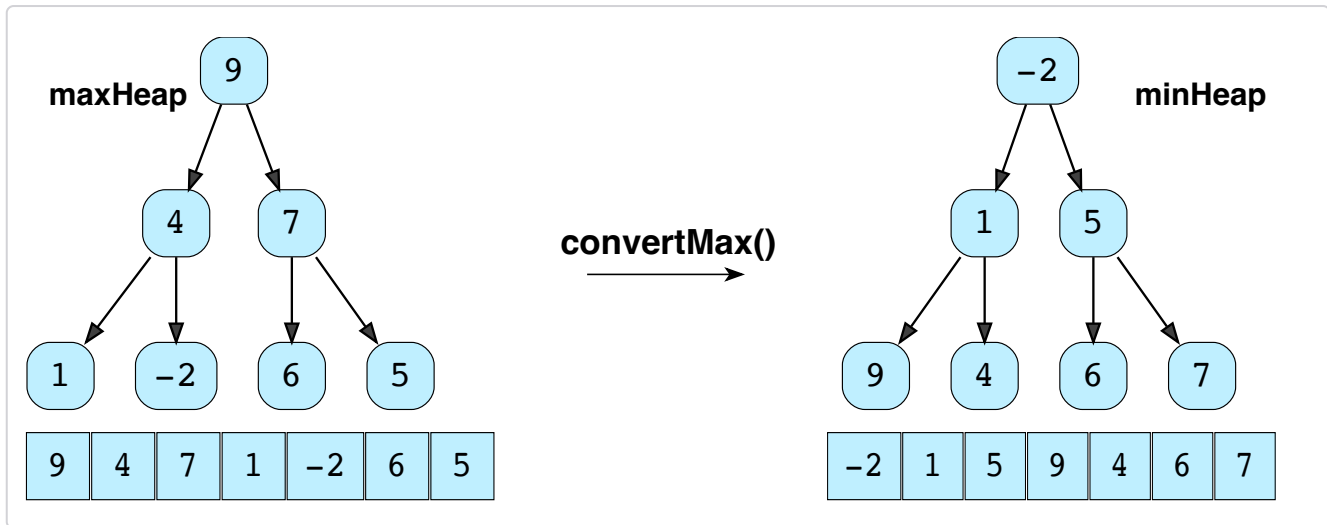


## Sample Output #



```
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!

```
def convertMax(maxHeap):
    # Write your code here
    print(maxHeap)
```



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Min Heap (Implementation)

Solution Review: Convert Max-Heap t...



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