

Move Zeroes

Given an integer array `nums`, move all 0's to the end of it while maintaining the relative order of the non-zero elements.

Note that you must do this in-place without making a copy of the array.

Example 1: Input: `nums = [0,1,0,3,12]` Output: `[1,3,12,0,0]`

Example 2: Input: `nums = [0]` Output: `[0]`

Constraints: a. $1 \leq \text{nums.length} \leq 10^4$ b. $-2^{31} \leq \text{nums}[i] \leq 2^{31} - 1$

In [8]:

```
1 nums =[0,1,0,3,12]
2 def moveZeroes(nums):
3     i=0
4     for j in range(len(nums)):
5         if nums[j] !=0:
6             nums[i] = nums[j]
7             i+=1
8     for k in range(i, len(nums)):
9         nums[k]=0
10
11 moveZeroes(nums)
12 print(nums)
```

[1, 3, 12, 0, 0]

In []:

1