# 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 <= nums.length <= 10^4 b. -2^31 <= nums[i] <= 2^31 - 1

def moveZeroes(nums):

left = 0

right = 0

while right < len(nums):

if nums[right] != 0:

nums[left], nums[right] = nums[right], nums[left]

left += 1

right += 1

while left < len(nums):

nums[left] = 0

left += 1

return nums

Example 1:

nums = [0, 1, 0, 3, 12]

print(moveZeroes(nums))

# Output: [1, 3, 12, 0, 0]

Example 2:

nums = [0]

print(moveZeroes(nums))

# Output: [0]