**Answer to the question no 1**

def moveZeroes(nums):

left = right = 0

while right < len(nums):

if nums[right] != 0:

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

left += 1

right += 1

# Test the function

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

moveZeroes(nums)

print(nums) # Output: [1, 3, 12, 0, 0]

nums = [0]

moveZeroes(nums)

print(nums) # Output: [0]

**Answer to the question no 2:**

def firstUniqChar(s):

char\_freq = {}

# Update frequency of characters

for char in s:

char\_freq[char] = char\_freq.get(char, 0) + 1

# Find the first non-repeating character

for i, char in enumerate(s):

if char\_freq[char] == 1:

return i

return -1

# Test the function

s = "leetcode"

print(firstUniqChar(s)) # Output: 0

s = "loveleetcode"

print(firstUniqChar(s)) # Output: 2

s = "aabb"

print(firstUniqChar(s)) # Output: -1