MOCK test 1

q1. Move Zeros  
class Solution:

def moveZeroes(self, nums: List[int]) -> None:

count=0

count\_0=0

for i in range(len(nums)):

if nums[i]!=0:

nums[count]=nums[i]

count+=1

else:

count\_0+=1

for i in range(count\_0):

nums[count+i]=0  
  
q2. First Unique Character in a String Given a string s, find the first non-repeating character in it and return its index. If it does not exist, return -1.

class Solution:

  def firstUniqChar(self, s: str) -> int:

    frequency = {}

    for c in s:

      if c not in frequency:

        frequency[c] = 1

      else:

        frequency[c] = frequency[c] + 1

    for index in range(len(s)):

      if frequency[s[index]] == 1:

        return index

    return -1