

# DSA - Mock Test 1 - JAVA

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## Coding Question

Create a GitHub file for the solutions and then add the link in answer section

### Move Zeroes

5 points

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.  $-2^{31} \leq \text{nums}[i] \leq 2^{31} - 1$

**Note:** Create a GitHub file for the solution and add the file link the the answer section below.

Your answer



### First Unique Character in a String

5 points

Given a string *s*, find the first non-repeating character in it and return its index. If it does not exist, return -1.

**Example 1:**Input: *s* = "leetcode"

Output: 0

**Example 2:**Input: *s* = "loveleetcode"

Output: 2

**Example 3:**Input: *s* = "aabb"

Output: -1

**Constraints:**

- a.  $1 \leq s.length \leq 10^5$
- b. *s* consists of only lowercase English letters.

**Note:** Create a GitHub file for the solution and add the file link the the answer section below.

Your answer

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