

LeetCode

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Introduction

In this chapter, we'll begin by looking at arrays.

Array - A DVD box?

What Is an Array?

Accessing Elements in Arrays

Array Capacity VS Length

Max Consecutive Ones

Find Numbers with Even N...

Squares of a Sorted Array

Inserting Items Into an Array

In the previous chapter, we looked at arrays.

Deleting Items From an Array

Next on the agenda is insertion.

Searching for Items in an Array

Finally, we're going to look at the search.

In-Place Operations

Now that we've run all the basic operations on arrays, we can look at in-place operations.

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Squares of a Sorted Array

Solution

★★★★★

Given an array of integers `A` sorted in non-decreasing order, return an array of the squares of each number, also in sorted non-decreasing order.

Example 1:

Input: `[-4, -1, 0, 3, 10]`  
Output: `[0, 1, 9, 16, 100]`

Example 2:

Input: `[-7, -3, 2, 3, 11]`  
Output: `[4, 9, 9, 49, 121]`

Note:

1. `1 <= A.length <= 10000`  
2. `-10000 <= A[i] <= 10000`  
3. `A` is sorted in non-decreasing order.

Python3

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class Solution:

def sortedSquares(self, A: List[int]) -> List[int]:

A\_sq = []

for i in range(len(A)):

num = A[i] \* A[i]

A\_sq.append(num)

A\_sq.sort()

return A\_sq

Custom Testcase

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Run Code

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Submission Result: Accepted

More Details

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