

Explore ^{Day 25}

Problems

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Contest



September LeetCode Challenge 2021

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Premium



Description

Solution

Discuss (999+)

Submissions

i Java

Autocomplete



35. Search Insert Position

Easy

4795

320

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Given a sorted array of distinct integers and a target value, return the index if the target is found. If not, return the index where it would be if it were inserted in order.

You must write an algorithm with $O(\log n)$ runtime complexity.

Example 1:

Input: nums = [1,3,5,6], target = 5

Output: 2

Example 2:

Input: nums = [1,3,5,6], target = 2

Output: 1

Example 3:

Input: nums = [1,3,5,6], target = 7

Output: 4

Example 4:

Input: nums = [1,3,5,6], target = 0

Output: 0

Example 5:

Input: nums = [1], target = 0

Output: 0

Constraints:

- $1 \leq \text{nums.length} \leq 10^4$
- $-10^4 \leq \text{nums}[i] \leq 10^4$
- nums contains **distinct** values sorted in **ascending** order.
- $-10^4 \leq \text{target} \leq 10^4$

Accepted 971,062

Submissions 2,278,075

Seen this question in a real interview before?

Companies



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```
1 class Solution {
2     public int searchInsert(int[] nums, int target) {
3
4     }
5 }
```

Problems

Pick One

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Console ▾

Contribute i

Run Code ^