

Unknown Title



Description

Description



Note

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Editorial

Editorial



Solutions

Solutions



Submissions

Submissions



Code

Code



Testcase

Testcase

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Test Result

Test Result

167. Two Sum II - Input Array Is Sorted

Medium



Topics

Companies

Given a **1-indexed** array of integers `numbers` that is already ***sorted in non-decreasing order***, find two numbers such that they add up to a specific `target` number. Let these two numbers be `numbers[index1]` and `numbers[index2]` where $1 \leq \text{index}_1 < \text{index}_2 \leq \text{numbers.length}$.

Return *the indices of the two numbers*, `index1` and `index2`, ***added by one as an integer array*** `[index1, index2]` of length 2.

The tests are generated such that there is **exactly one solution**. You **may not** use the same element twice.

Your solution must use only constant extra space.

Example 1:

Input: `numbers = [2, 7, 11, 15]`, `target = 9`

Output: `[1, 2]`

Explanation: The sum of 2 and 7 is 9. Therefore, `index1 = 1`, `index2 = 2`. We return `[1, 2]`.

Example 2:

Input: `numbers = [2, 3, 4]`, `target = 6`

Output: `[1, 3]`

Explanation: The sum of 2 and 4 is 6. Therefore $\text{index}_1 = 1$, $\text{index}_2 = 3$. We return [1, 3].

Example 3:

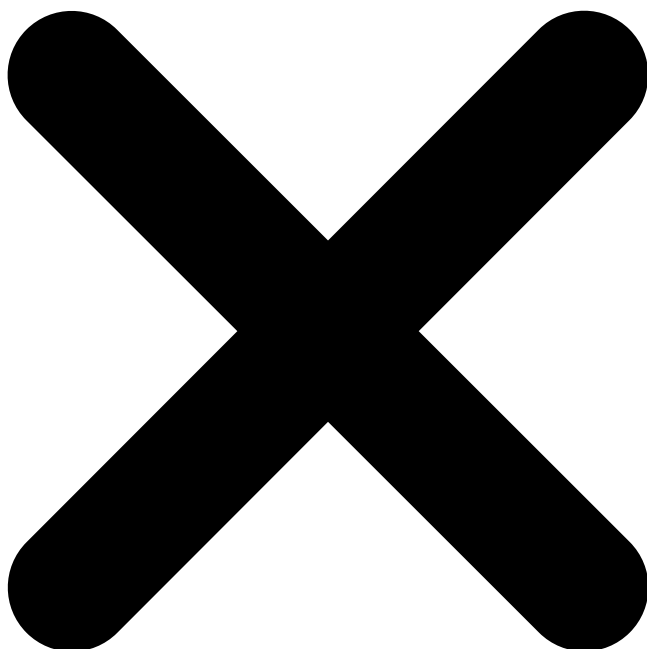
Input: numbers = [-1, 0], target = -1

Output: [1,2]

Explanation: The sum of -1 and 0 is -1. Therefore $\text{index}_1 = 1$, $\text{index}_2 = 2$. We return [1, 2].

Constraints:

- $2 \leq \text{numbers.length} \leq 3 * 10^4$
- $-1000 \leq \text{numbers}[i] \leq 1000$
- numbers is sorted in **non-decreasing order**.
- $-1000 \leq \text{target} \leq 1000$
- The tests are generated such that there is **exactly one solution**.



Accepted

2.4M

Submissions

3.9M

Acceptance Rate

62.6%




Companies



Discussion (238)



 Discussion Rules



1. Please don't post **any solutions** in this discussion.

2. The problem discussion is for asking questions about the problem or for sharing tips - anything except for solutions.

3. If you'd like to share your solution for feedback and ideas, please head to the solutions tab and post it there.

No comments yet.

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148 Online

1

2

3

4

5

```
class Solution {  
    public int[] twoSum(int[] numbers, int target) {  
  
    }  
}
```



Saved

Ln 1, Col 1

You need to [Login / Sign up](#) to run or submit

numbers =

[2,7,11,15]

target =

9

9

1

2

3

4

5

6

,

[2,7,11,15]

9

[2,3,4]

6

[-1,0]

-1

</>

Source



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