

Description

Solution

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1. Two Sum

Easy

23592

788

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Given an array of integers `nums` and an integer `target`, return *indices of the two numbers such that they add up to `target`*.

You may assume that each input would have **exactly one solution**, and you may not use the *same* element twice.

You can return the answer in any order.

Example 1:

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

Output: `[0,1]`

Output: Because `nums[0] + nums[1] == 9`, we return `[0,1]`.

Example 2:

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

Output: `[1,2]`

Example 3:

Input: `nums = [3,3]`, `target = 6`

Output: `[0,1]`

Constraints:

- `2 <= nums.length <= 104`
- `-109 <= nums[i] <= 109`
- `-109 <= target <= 109`
- Only one valid answer exists.**

Follow-up: Can you come up with an algorithm that is less than $O(n^2)$ time complexity?

```

1 func twoSum(nums, target) []int {
2     hmap := make(map[int]int)
3     for i, v := range nums {
4         if v <= target {
5             ok := hmap[target-v]
6             if ok != 0 {
7                 return []int{hmap[target-v], i}
8             }
9         }
10    }
11    return []int{}
12 }
```

Your previous code was reset

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