Two Sum

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]`

Explanation: 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 <= 10^4`
- `-10^9 <= nums[i] <= 10^9`
- `-10^9 <= target <= 10^9`

Only one valid answer exists.

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