1. Two Sum   Add to List ▾

Question   Editorial Solution   My Submissions (/problems/two-sum/submissions/)

Total Accepted: **397611**   Total Submissions: **1323351**   Difficulty: **Easy**   Contributors: **Admin**

Given an array of integers, return **indices** of the two numbers such that they add up to a specific target.

You may assume that each input would have *exactly* one solution.

Example:

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

Because nums[0] + nums[1] = 2 + 7 = 9,
return [0, 1].
```

UPDATE (2016/2/13):

The return format had been changed to **zero-based** indices. Please read the above updated description carefully.

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Python ▾   ⟳   </>

```python
1  class Solution(object):
2      def twoSum(self, nums, target):
3          """
4          :type nums: List[int]
5          :type target: int
6          :rtype: List[int]
7          """
8          for i in range(len(nums)):
9              diff=target-nums[i]
10             if diff in nums:
11                 index=nums.index(diff)
12                 if i!= index :
13                     print i,index
14                     return i,index
15
```

Custom Testcase ☑

Contribute Testcase ❓

```
[3,2,4]
6
```

One line for one parameter. Hint ▾

Run Code   Submit Solution

Run Code Status: Finished

Run Code Result: ✕

Your input

```
[3,2,4]
6
```

Your stdout

```
1 2
```

Your answer

```
[1,2]
```

Expected answer

```
[1,2]
```

Show Diff

Runtime: 35 ms

Note: is Run Code inconsistent with Submit Solution? If you are using global variables or C/C++, check this (/faq/#different-output) out.

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