

Two Sum Solution

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Two sum. 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, and you may not use the same element twice. Example: Given nums = [2, 7, 11, 15], target = 9, Because nums [0] + nums [1] = 2 + 7 = 9, return [0, 1].

~~Two Sum - LeetCode~~

Two Number Sum Problem solution in Java METHOD 1. Naive approach: Use two for loops. The naive approach is to just use two nested for loops and check if the sum of any two elements in the array is equal to the given target. Time complexity: $O(n^2)$

~~Two Number Sum Problem solution in Java | CalliCoder~~

Two Sum II LeetCode Solution December 5, 2020 / 1 min read / 0 Comments Given an array of integers that is already sorted in ascending order , find two numbers such that they add up to a specific target number.

~~Two Sum II LeetCode Solution - Mayukh Datta~~

```
def two_sum (numbers, target):
    nums_covered = set
    for index, num in enumerate (numbers):
        if target-num in nums_covered:
            break
        else:
            nums_covered.add (num)
    for index2, num2 in enumerate (numbers):
        if num2 == target-num and index!= index2:
            return [index2 + 1, index + 1]
```

~~Two Sum II (via Leetcode) - Python~~

Two Sum Problem Java Solution 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, and you may not use the same element twice.

~~Two Sum Problem Java Solution - The Coding Shala~~

Given an array of integers that is already sorted in ascending order, find two numbers such that they add up to a specific target number. The function twoSum should return indices of the two numbers such that they add up to the target, where index1 must be less than index2.

~~Two Sum II - Input array is sorted Java Solution - The ...~~

- Make sure their solution works if the only way to make the sum is to use an element that appears twice in the array (for example, [3, 3] with k=6)
- Make sure their solution works if the answer is "no" but k/2 is present in the array (for example, [1, 3] with k = 6) should return false.

~~Interview Question: The TwoSum Problem~~

```
class Solution {
public:
    vector<int> twoSum(vector<int> nums, int target) {
        vector<int> tmp;
        for(int i = 0; i < nums.size()-1; i++) {
            for(int j = i+1; j < nums.size(); j++) {
                if(nums[i] + nums[j] == target) {
                    tmp.push_back(i);
                    tmp.push_back(j);
                    return tmp;
                }
            }
        }
        return tmp;
    };
};
int main() {
    Solution s;
    vector<int> tmp;
    tmp = s.twoSum( {2, 7, 11, 15},9);
    cout << " [";
    for(int i = 0; i < tmp.size(); i++) {
        cout << tmp[i];
        if(tmp.size()-1 != i) cout << ",";
    }
    cout << "]" << endl;
    return 0;
}
```

~~Two Sum Problem Solution - C/C++ Logic & Problem Solving~~

```
class Solution(object):
    def twoSum(self, nums, target):
        """
        :type nums: List[int]
        :type target: int
        :rtype: List[int]
        """
        required = {}
        for i in range(len(nums)):
            if target - nums[i] in required:
                return [required[target - nums[i]],i]
            else:
                required[nums[i]]=i
        input_list = [2,8,12,15]
        ob1 = Solution()
        print(ob1.twoSum(input_list, 20))
```

~~Two Sum in Python - Tutorialspoint~~

A simple method is to use a two nested loop and generate all the pairs and check for their sum. This method will have a time complexity of $O(N^2)$ but the problem should be solved in a linear time limit. The Efficient Approach is to use hashing.

~~LeetCode Solution: 2 Sum Problem - Studytonight~~

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~~LeetCode Two Sum Solution Explained - Java - YouTube~~

First solution, in the worst case both loop will run n times, and since it's nested, it will run $n*n$ times, so $O(n^2)$ Second solution, we have optimized a bit, but still, the inner solution runs $n-1$ times in the first iteration if the result is not found. Outer is loop is running n times, so worst case it still would be the order of n^2 , $O(n^2)$. It will indeed be a bit faster but the asymptotic complexity is still n^2 .

~~Leetcode | Solution of Two Sum in JavaScript | Rishabh Jain~~

Oct 14, 2018 · 3 min read [Two Sum](#) (difficulty: Easy) 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...

~~LeetCode (1) Two Sum (python). [Two Sum](#) | by [...](#)~~

Two Sum. Easy. 18048 647 Add to List Share. 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:

~~Two Sum - LeetCode~~

To input two integers separated by a space on a single line, the command is `scanf("%d %d", &n, &m)`, where `n` and `m` are the two integers. Task. Your task is to take two numbers of `int` data type, two numbers of `float` data type as input and output their sum: Declare variables: two of type `int` and two of type `float`.

~~Hackerrank Sum and Difference of Two Numbers Solution~~

Declare variables: two of type `int` and two of type `float`.; Read lines of input from `stdin` (according to the sequence given in the 'Input Format' section below) and initialize your variables.; Use the `and` operator to perform the following operations:. Print the sum and difference of two `int` variable on a new line. Print the sum and difference of two `float` variable rounded to one decimal place ...

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