# Two Sum Solution

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### Two Sum Solution
1. 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]. class Solution(object):

### Two Sum - LeetCode
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.

### 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
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
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 ...
Interview Question: The TwoSum Problem Difficulty: Medium This is a classic algorithmic interview question. There are many different solution routes, each of which involves a different technique. This handout details the problem and gives a few different solution routes. Problem Statement:

### 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

LeetCode – Two Sum (Java) Given an array of integers, 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. Please note that your returned answers (both index1 and index2) are not zero-based.

## LeetCode – Two Sum (Java)

Solution. Brute force solution, O(n^2) Optimized approach, using HashMap/HashSet; Problem Statement. 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:

## Two Sum Problem - Leet Code Solution | GyanBlog

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

Let's suppose we choose a value, T from the array, and then set a = T. Then, rearranging the equation ( $T + b + c = 0$ becomes $b + c = -T$) and the problem becomes finding b and c from the rest of the values in the array such that $b + c = -T$. This sub problem is the same as another, related leetcode problem ( 2sum ).

## 3sum Solution - Top Interview Questions and Tricks #1 ...

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## LeetCode Two Sum Solution Explained - Java - YouTube

The question can be found at leetcode two sum problem. The problem states that we are given an array of integers and a target number, our task is to return the indices of the two numbers which add up to the target.

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

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

The Two Sum Algorithm using HashMap in C++/Java January 26, 2014 No Comments c / c++, interview questions, java Using Hashmap is very common in accelerating solutions and reducing algorithm complexity. A Hashmap is a data structure that is aimed for high performance lookup, indexing items etc.

**The Two Sum Algorithm using HashMap in C++/Java ...**

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**LeetCode (1) Two Sum (python). 这是一个经典, 高频的Two Sum | by 许之晟 ...**

Note that this solution is not unique. S 1 = {3,1,1} and S 2 = {2,2,1} is another solution. Not every multiset of positive integers has a partition into two subsets with equal sum. An example of such a set is S = {2,5}. Approximation algorithms. As mentioned above, the partition problem is a special case of multiway-partitioning and of subset-sum.

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