

Leetcode Notes and Practice

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1 Hashing

1.1 Valid Anagram

Question: Given two strings s and t , return true if the two strings are anagrams of each other, otherwise return false

- Create two separate dictionaries
- Loop through one of the input strings, add key letter or letter freq.
- If dict are the same, return true

1.2 Twosum

Question: Given an array of integers $nums$ and an integer $target$, return the indices i and j such that $nums[i] + nums[j] == target$ and $i \neq j$

- Use a hashmap to store the index of each number in the array as the *value*
- On each iteration, check first to see if the difference between the target val and the current num is already stored in the hashmap
- If it is, then return the value at that key (the index), as well as the current index i
- If it's not, then add the current number and index to the hashmap
- **Key Idea:** Always check the existence between the target and the current number as a key in the hashmap first!