

# LeetCode Questions - Arrays and Strings (Hashing)

## Question 1: 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:

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

Output: `[0,1]`

Explanation: Because `nums[0] + nums[1] == 9`, we return `[0, 1]`.

## Question 2: Group Anagrams

Given an array of strings `strs`, group the anagrams together. You can return the answer in any order.

An Anagram is a word or phrase formed by rearranging the letters of a different word or phrase, typically using all the original letters exactly once.

Example:

Input: `strs = ["eat", "tea", "tan", "ate", "nat", "bat"]`

Output: `[["bat"],["nat","tan"],["ate","eat","tea"]]`

## Question 3: Longest Substring Without Repeating Characters

Given a string `s`, find the length of the longest substring without repeating characters.

Example:

Input: s = "abcbcbcb"

Output: 3

Explanation: The answer is "abc", with the length of 3.

#### **Question 4: Top K Frequent Elements**

Given an integer array nums and an integer k, return the k most frequent elements. You may return the answer in any order.

Example:

Input: nums = [1,1,1,2,2,3], k = 2

Output: [1,2]

#### **Question 5: Valid Anagram**

Given two strings s and t, return true if t is an anagram of s, and false otherwise.

Example:

Input: s = "anagram", t = "nagaram"

Output: true

Input: s = "rat", t = "car"

Output: false