Solved @

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

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 1:

Example 2:

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

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

Output: false

Constraints:

- 1 <= s.length, t.length <= 5 * 104
- s and t consist of lowercase English letters.













Valid Anagram / A valid anagram is a word or a phrase that is formed by rearranging the letters of another word or phrase, using all the Osiginal letter exactly one Input : s = anagram t = nagram output true (Approach 1) Sorting approach 1 Check lengths Both string are of equal length than proceed 2) Convert Strings to character Array s= ['a', 'n', 'a', 'g', '8', 'a', 'm'] t= ['n', 'a', 'g', 'a', 'g', 'a'] 3) South Both array Now (4) compare sosted Array Time complexity O(NLogN)

```
/> Code
                                                                      *y C' () □ =
ava v 🛍 Auto
     class Solution {
  2
         public boolean isAnagram(String s, String t) {
 3 4 5 6 7 8 9
              if (s.length() != t.length()) {
                 return false;
             char[] sArray = s.toCharArray();
             char[] tArray = t.toCharArray();
             Arrays.sort(sArray);
             Arrays.sort(tArray);
             return Arrays.equals(sArray, tArray);
 10
 11
12 }
Saved
                                                                              Ln 10, Cal 46.
Accepted Runtime: 0 ms
  · Case 1

    Case 2

Input
  5 =
  "anagram"
  t =:
  "nagaram"
```

(Approach 2) Fixed-Size Array Approach (for ASCII Characters) O Check lengths Bith string are of equal length than proceed 2) Initialize Count Array Create an array of size 26 The index of an array corresponds to each letter (a' is index 0, b' is index 1, -- 'z' is index 3) Traverse the characters of 's' and increment the count in the array of each character 9 Traverse the characters of 't' and decrement the count in the array of sach character

(5) IF In count Array Dan Walues at each index(Pos) is o than return true Else return false

```
(/> Code
                                                                                    三 口()りょ
       Auto
Java V
         public boolean isAnagram(String s, String t) {
  2
  3
              if (s.length() != t.length()) {
  4
                 return false;
  5
  6
 7
             int[] count = new int[26];
  8
  9
            for (int c=0;c<s.length();c++) {
                 count[s.charAt(c) - 'a']++;
 10
 11
 12
 13
             for (int c=0;c<t.length();c++) {
                 count[t.charAt(c) - 'a']--;
 14
 15
 16
 17
             for(int counts: count){
                 if(counts != 0){
 18
 19
                    return false;
 20
 21
 22
 23
 24
             return true;
  25
  25
                                                                                             Em 1 Col
Saved
Accepted
             Runtime: 0 ms
```

Salved @

Easy O Topics & Companies O Hint

Given a string is containing just the characters "(", ")", "{", "}", "[" and "]", determine if the input string is valid.

An input string is valid if:

- 1. Open brackets must be closed by the same type of brackets.
- 2. Open brackets must be closed in the correct order.
- 3. Every close bracket has a corresponding open bracket of the same type.

Example 1:

Input: 5 = "()" Output: true

Example 2:

Input: s = "()[]{}" Output: true

Example 3:

Input: s = "()" Output: false

Constraints





Valid parenthesis 1. Open Brackets must be closed by the same Eype of brackets. 2. Open bracket must be closed in the correct order 3. Every close bracket has a corresponding open bracket of the same type Approach -Look for the most recent bracket - Means you use looking for the last bracket you just saw - last In-first Out = Stack Data Structure

```
public boolean isValid(String s) (
 2 3 4 5 6
       Stack<Character> stack = new Stack<>();
             for (char c : s.toCharArray()) [
                 if (c == '(') {
                     stack.push(')');
                  } else if (c == '{'}) {
                     stack.push('}');
10
                   else if (c == '[') {
11
                    stack.push(']');
12
                 } else if (c == ')' || c == '}' || c == ']') {
13
14
                     if (stack.isEmpty() || stack.pop() != c) {
                         return false:
15
16
17
                 } else {
                     // Optionally handle invalid characters if needed
18
19
                     continue;
20
21
22
             return stack.isEmpty();
23
24
25
```

class Solution {

