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Grokking the Coding Interview: Patterns for Coding Questions

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Longest Subarray with Ones

Problem Challenge 1

We'll cover the following

- Permutation in a String (hard)
- Try it yourself

Permutation in a String (hard)

Given a string and a pattern, find out if the **string contains any permutation of the pattern**.

Permutation is defined as the re-arranging of the characters of the string. For example, "abc" has the following six permutations:

^

- 1. abc
- 2. acb
- 3. bac
- 4. bca
- 5. cab
- 6. cba

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If a string has 'n' distinct characters, it will have n! permutations.





Example 1:

Input: String="oidbcaf", Pattern="abc"

Output: true

Explanation: The string contains "bca" which is a permutation of the given patter

n.

Example 2:

Input: String="odicf", Pattern="dc"

Output: false

Explanation: No permutation of the pattern is present in the given string as a su

bstring.

Example 3:

Input: String="bcdxabcdy", Pattern="bcdyabcdx"

Output: true

Explanation: Both the string and the pattern are a permutation of each other.

Example 4:

Input: String="aaacb", Pattern="abc"

Output: true

Explanation: The string contains "acb" which is a permutation of the given patter

n.

Try it yourself

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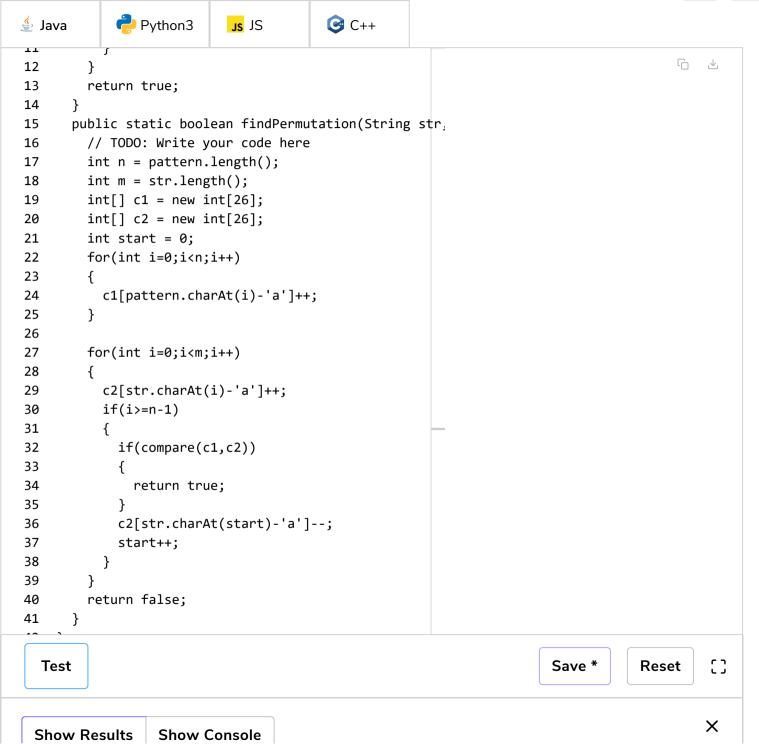
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Try solving this question here:





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Result	Input	Expected Output	Actual Output	Reason
✓	<pre>findPermutation(oidbcaf, abc)</pre>	true	true	Succeeded
✓	<pre>findPermutation(odicf, dc)</pre>	false	false	Succeeded
✓	<pre>findPermutation(bcdxabcdy,</pre>	true	true	Succeeded
~	findPermutation(aaacb, abc)	true	true	Succeeded

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Solution Review: Problem Challenge 1



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