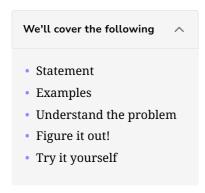# Palindrome Permutation

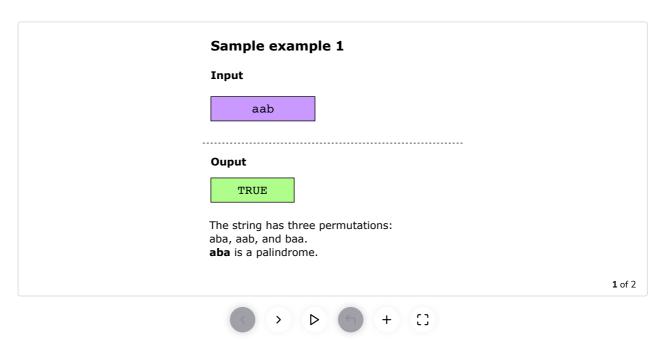Try to solve the Palindrome Permutation problem.

Statement

For a given string, find whether or not a permutation of this string is a <u>palindrome</u>. You should return TRUE if such a permutation is possible and FALSE if it isn't possible.

Constraints:

- $1 \leq$ string length ≤ 1000
- The string will contain lowercase English letters.

Examples

Sample example 1

Input

aab

Ouput

TRUE

The string has three permutations:
aba, aab, and baa.
aba is a palindrome.

Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps us to check if you're solving the correct problem:

Palindrome Permutation

1 The string "abb" has a permutation that's a palindrome.

A) TRUE

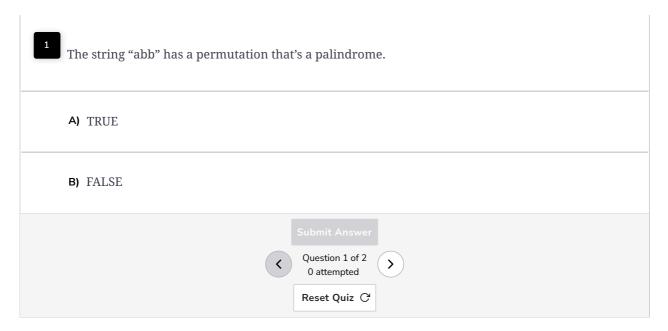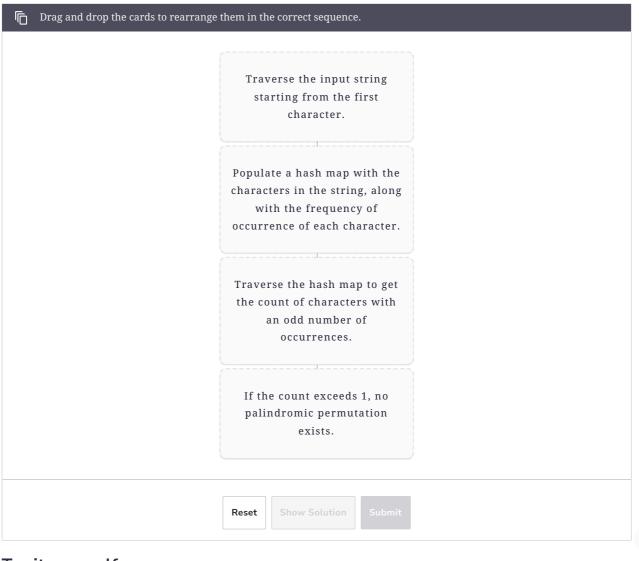**B) FALSE**

Submit Answer

Reset Quiz ↻

Figure it out!

We have a game for you to play. Rearrange the logical building blocks to develop a clearer understanding of how to solve this problem.

Drag and drop the cards to rearrange them in the correct sequence.

Traverse the input string starting from the first character.

Populate a hash map with the characters in the string, along with the frequency of occurrence of each character.

Traverse the hash map to get the count of characters with an odd number of occurrences.

If the count exceeds 1, no palindromic permutation exists.

Reset   Show Solution   Submit

Try it yourself

```java
1  import java.util.*;
2  public class Main{
3      // Tip: You may use some of the code templates provided
4      // in the support files
5      public static boolean permutePalindrome(String st) {
6
7          // Write your code here
8
9          return false;
10     }
11 }
```

main.java

PopulatingHashmap.java

Powered by AI

Submit

Test Cases   Results

Case 1   Case 2   Case 3

Input #1

"peas"

Palindrome Permutation

✅ Mark as Completed