

# Problem 266: Palindrome Permutation

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 68.57%

**Paid Only:** Yes

**Tags:** Hash Table, String, Bit Manipulation

## Problem Description

Given a string `s`, return `true` if a permutation of the string could form a `palindrome` and `false` otherwise.

**Example 1:**

**Input:** `s = "code"` **Output:** `false`

**Example 2:**

**Input:** `s = "aab"` **Output:** `true`

**Example 3:**

**Input:** `s = "carerac"` **Output:** `true`

**Constraints:**

`1 <= s.length <= 5000` `s` consists of only lowercase English letters.

## Code Snippets

**C++:**

```
class Solution {  
public:
```

```
bool canPermutePalindrome(string s) {  
  
}  
};
```

### Java:

```
class Solution {  
    public boolean canPermutePalindrome(String s) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def canPermutePalindrome(self, s: str) -> bool:
```