

# Problem 409: Longest Palindrome

## Problem Information

**Difficulty:** Easy

**Acceptance Rate:** 55.73%

**Paid Only:** No

**Tags:** Hash Table, String, Greedy

## Problem Description

Given a string `s` which consists of lowercase or uppercase letters, return the length of the **longest palindrome** that can be built with those letters.

Letters are **case sensitive**, for example, `"Aa"` is not considered a palindrome.

**Example 1:**

**Input:** `s = "abcccd"` **Output:** `7` **Explanation:** One longest palindrome that can be built is `"dccaccd"`, whose length is 7.

**Example 2:**

**Input:** `s = "a"` **Output:** `1` **Explanation:** The longest palindrome that can be built is `"a"`, whose length is 1.

**Constraints:**

`1 <= s.length <= 2000` `s` consists of lowercase **and/or** uppercase English letters only.

## Code Snippets

**C++:**

```
class Solution {  
public:
```

```
int longestPalindrome(string s) {  
  
}  
};
```

### Java:

```
class Solution {  
    public int longestPalindrome(String s) {  
  
    }  
}
```

### Python3:

```
class Solution:  
    def longestPalindrome(self, s: str) -> int:
```