

# 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.

Latters are \*\*case sensitive\*\* , for example, ``Aa`` is not considered a palindrome.

**Example 1:**

**Input:** s = "abccccdd" **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:
```