

# Problem 159: Longest Substring with At Most Two Distinct Characters

## Problem Information

**Difficulty:** Medium

**Acceptance Rate:** 56.80%

**Paid Only:** Yes

**Tags:** Hash Table, String, Sliding Window

## Problem Description

Given a string `s`, return the length of the longest substring that contains at most two distinct characters.

**Example 1.**

**Input:** `s = "eceba"` **Output:** `3` **Explanation:** The substring is "ece" which its length is 3.

**Example 2.**

**Input:** `s = "ccaabbb"` **Output:** `5` **Explanation:** The substring is "aabbb" which its length is 5.

**Constraints:**

`1 <= s.length <= 105` `s` consists of English letters.

## Code Snippets

**C++:**

```
class Solution {
public:
    int lengthOfLongestSubstringTwoDistinct(string s) {
```

```
}  
};
```

### Java:

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

### Python3:

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