

### 3. Longest Substring Without Repeating Characters

Medium

14591

747

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Given a string `s`, find the length of the **longest substring** without repeating characters.

#### Example 1:

**Input:** `s = "abcabcbb"`  
**Output:** `3`  
**Explanation:** The answer is "abc", with the length of 3.

#### Example 2:

**Input:** `s = "bbbbbb"`  
**Output:** `1`  
**Explanation:** The answer is "b", with the length of 1.

#### Example 3:

**Input:** `s = "pwwkew"`  
**Output:** `3`  
**Explanation:** The answer is "wke", with the length of 3. Notice that the answer must be a substring, "pwke" is a subsequence and not a substring.

#### Example 4:

**Input:** `s = ""`  
**Output:** `0`

#### Constraints:

- `0 <= s.length <= 5 * 104`
- `s` consists of English letters, digits, symbols and spaces.

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1 class Solution:
2     def lengthOfLongestSubstring(self, s: str) -> int:
3         charSet = set()
4         left = 0
5         right = 0
6         maxLen = 0
7         while right < len(s):
8             while s[right] in charSet:
9                 charSet.remove(s[left])
10                left += 1
11            charSet.add(s[right])
12            maxLen = max(maxLen, right - left + 1)
13            right += 1
14        return maxLen
15
```

Your previous code was

Console

Problems

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