

Longest substring with distinct characters

Difficulty: **Medium**Accuracy: **31.32%**Submissions: **158K+**Points: **4**

Given a string s , find the length of the longest substring with all distinct characters.

Examples:

Input: $s = \text{"geeksforgeeks"}$ **Output:** 7**Explanation:** "eksforg" is the longest substring with all distinct characters.**Input:** $s = \text{"aaa"}$ **Output:** 1**Explanation:** "a" is the longest substring with all distinct characters.**Input:** $s = \text{"abcdefabcbb"}$ **Output:** 6**Explanation:** The longest substring with all distinct characters is "abcdef", which has a length of 6.**Constraints:**

Java (1.8)

Start Timer

```
1 // } Driver Code Ends
22 class Solution {
23     public int longestUniqueSubstr(String s) {
24         int start = 0;
25         int maxLength = 0;
26         HashSet<Character> unique = new HashSet<>();
27         for (int end = 0; end < s.length(); end++) {
28             char currentChar = s.charAt(end);
29             while (unique.contains(currentChar)) {
30                 unique.remove(s.charAt(start));
31                 start++;
32             }
33             unique.add(currentChar);
34             maxLength = Math.max(maxLength, end - start + 1);
35         }
36         return maxLength;
37     }
38 }
```

[Custom Input](#)

Compile & Run

Submit