3. Longest Substring Without Repeating Characters

Medium

4735239FavoriteShare

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

Example 1:

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

Example 2:

Input: "bbbbb"  
Output: 1  
Explanation: The answer is "b", with the length of 1.

Example 3:

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

CPP:

class Solution {

public:

int lengthOfLongestSubstring(string s) {

int len=s.size();

if(len==0||len==1) return len;

int curr\_end=0,curr\_start=0, max=1;

while(curr\_end<s.size()-1){

int next=curr\_end+1;

for(int i=curr\_start;i<=curr\_end;i++){

if(s[i]==s[next]){

curr\_start=i+1;

break;

}

}

curr\_end++;

int curr\_len=curr\_end-curr\_start+1;

max=max>curr\_len?max:curr\_len;

}

return max;

}

};

Success

[Details](https://leetcode.com/submissions/detail/207469347/)

Runtime: 20 ms, faster than 98.43% of C++ online submissions for Longest Substring Without Repeating Characters.

Memory Usage: 14.7 MB, less than 0.99% of C++ online submissions forLongest Substring Without Repeating Characters.