

UWPC

Question 16

Longest Substring Without Repeating Characters

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

Input

- A single string, s .

Output

- A single integer, representing the length of the longest substring without repeating characters.
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Sample 1

Input

abcabcbb

Output

3

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

Sample 2

Input

bbbbbb

Output

1

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

Sample 3

Input

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.