763. Partition Labels

21 March 2022 03:19 PM

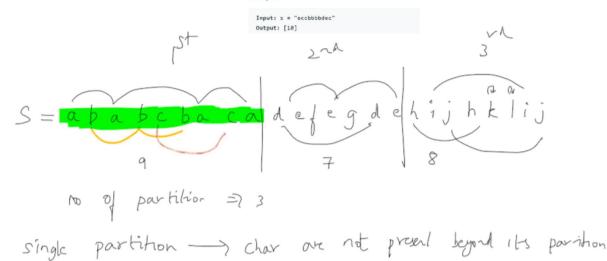
You are given a string s. We want to partition the string into as many parts as possible so that each letter appears in at most one part.

Note that the partition is done so that after concatenating all the parts in order, the resultant string should be s.

Return a list of integers representing the size of these parts.

Input: s = "ababcbacadefegdehijhklij" Output: [9,7,8] Explanation: The partition is "ababcbaca", "defegde", "hijhklij". This is a partition so that each letter appears in at most one part. A partition like "ababcbacadefegde", "hijhklij" is incorrect, because it splits s into less parts.

Example 2:



0 1 2 34 56 78 910 11 12 13 14 15 16 17 19 19 20 21 22 23 ababcba cadefegdehijhklij of the clar

Character Maximum Impact (Index) ->

12 Index Hoshmap - (Character, Integer)

a > 62 6 8 Stepl: Make Hushman

d-4+314

1=17-22 K=20

and maintain the

17+35

e-101215

J=18-13 1-21

intex of last occurance

C -> 4 7

f - Lt 16

h = 19

of Character.

* find the may impart here for a THS 8. S/402 !

and keep moving the character if the max is non than & then

shop its a one parition. So mange the parition.

(Max - prev = reladd) as we need length of the 8 - (-1) = res-add parition we did prev = -1 (9 = res-add) one ans

Mow update the prex to 8-

max - prev

```
class Solution {
   public List<Integer> partitionLabels(String s) {
        HashMap<Character, Integer> map = new HashMap<>();

        //step 1. filling of impact of character
        for(int i = 0; i < s.length(); i++){
            char ch = s.charAt(i);
            map.put(ch, i); //if its available, we update it else it create new one and add it.
        }
}</pre>
```



Dry Run

Wetch 769, 767 lectude.