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Week 1: May 1st–May 7th

Problems appear at midnight, Pacific Time

Week 2: May 8th–May 14th

Problems appear at midnight, Pacific Time

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The first problem for this section will appear at midnight, Pacific Time

Maximum Sum Circular Subarray

Odd Even Linked List

Find All Anagrams in a String

Week 4: May 22nd–May 28th

The first problem for this section will appear at midnight, Pacific Time

Week 5: May 29th–May 31st

The first problem for this section will appear at midnight, Pacific Time

Find All Anagrams in a String

Solution

Given a string **s** and a **non-empty** string **p**, find all the start indices of **p**'s anagrams in **s**.

Strings consists of lowercase English letters only and the length of both strings **s** and **p** will not be larger than 20,100.

The order of output does not matter.

Example 1:

Input:
s: "cbaebabacd" p: "abc"

Output:
[0, 6]

Explanation:
The substring with start index = 0 is "cba", which is an anagram of "abc".
The substring with start index = 6 is "bac", which is an anagram of "abc".

Example 2:

Input:
s: "abab" p: "ab"

Output:
[0, 1, 2]

Explanation:
The substring with start index = 0 is "ab", which is an anagram of "ab".
The substring with start index = 1 is "ba", which is an anagram of "ab".
The substring with start index = 2 is "ab", which is an anagram of "ab".

Java

```
1 class Solution {
2     public List<Integer> findAnagrams(String s, String p) {
3         List<Integer> result=new ArrayList<>();
4         if(s.length()==0 || s==null) return result;
5         int[] charp=new int[26];
6         int[] chars=new int[26];
7         for(char ch:p.toCharArray()){
8             charp[ch-'a']++;
9         }
10        int left=0;
11        int right=0;
12        while(right<s.length()){
13            int len=right-left+1;
14            char temp=s.charAt(right);
15            chars[temp-'a']++;
16            if(len<p.length()){
17                right++;
18                continue;
19            }
20            if(len==p.length()){
21                char start=s.charAt(left);
22                if(Arrays.equals(chars,charp)){
23                    chars[start-'a']--;
24                    result.add(left);
25                }
26                else
27                    chars[start-'a']--;
28                left++;
29                right++;
30            }
31        }
32        return result;
33    }
34 }
```

Custom Testcase (Contribute)

Run Code

Submit

"abab"

"ab"

How to create a testcase

Submission Result: Accepted More Details

