10.5.2018 HackerRank





PRACTICE COMPETE JOBS

LEADERBOARD





Practice > Algorithms > Strings > Sherlock and Anagrams

Sherlock and Anagrams ☆

Problem	Submissions	Leaderboard	Discussions	Editorial	Topics	
					Author	darkshadow
Two strings are <i>anagrams</i> of each other if the letters of one string can be rearranged to form					Difficulty	Mediun
the other string.					Max Score	50
Given a string, find the number of <i>unordered anagrammatic pairs</i> of substrings. In other					Submitted By	18642
words, find the number of <i>unordered</i> pairs of substrings of the string that are anagrams of each other.					NEED HELP?	
Input Format					View discussions	
The first line contains $oldsymbol{q}$, the number of queries.					☐ View editorial	
Each of the next $oldsymbol{q}$ lines contains a string $oldsymbol{s}$ to analyze.					▼ View top submissions	
Constraints					RESOURCES	
$1 \le q \le 10$ $2 \le s \le 100$					☐ Anagram	
String <i>s</i> contains only the lowercase letters, ascii[a-z].					RATE THIS CHALLENGE	
Output Format					ል 	
For each query, print the number of unordered anagrammatic pairs on one line.						
Sample Input	: 0				MORE DETAILS	
						em statement
2 abba					丛 Download sample test cases	
abcd						
Sample Output 0					CHOOSE A TRANSLATION	
4					Chinese ▼	
0						
Explanation 0)					
For s= abba , anagrammatic pairs are [a,a],[ab,ba],[b,b] and [abb,bba]						
No anagramm	natic pairs exist in the sec	cond query.				
Sample Input	: 1					
5						
ifailuhkqq						
hucpoltgty ovarjsnrbf						
pymupwiiif						

pvmupwjjjf iwwhrlkpek

Sample Output 1

10.5.2018 HackerRank

```
Explanation 1

For the first query, we have anagram pairs [i,i], [q,q]and [ifa, fai]

For the second query, we have pairs [t,t] and [tg,gt]

For the third, [r,r] and [rjsn, jsnr]

For the fourth:

- [j,j] from positions [6,7], [6,8], and [7,8]

- [jj,jj] from positions [[6,7],[7,8]]

- [p,p] and [pvmu, vmup]

Finally, for the fifth, we have [w,w], [k,k], and [kpe, pek]
```

```
K N SS
 Current Buffer (saved locally, editable) ್ಲಿ ್ರ
                                             Java 7
  1 ▼ import java.io.*;
   2 import java.util.*;
  3 import java.text.*;
  4 import java.math.*;
  5 import java.util.regex.*;
  7 ▼ public class Solution {
  8
  9 ▼
          static int sherlockAndAnagrams(String s){
 10
              // Complete this function
 11
 12
          public static void main(String[] args) {
 13 ▼
              Scanner in = new Scanner(System.in);
 14
 15
              int q = in.nextInt();
              for(int a0 = 0; a0 < q; a0++){
 16 ▼
                  String s = in.next();
 17
                   int result = sherlockAndAnagrams(s);
 18
 19
                   System.out.println(result);
 20
              }
 21
          }
 22
     }
                                                                    Line: 1 Col: 1
1 Upload Code as File
                   Test against custom input
                                                    Run Code
                                                                   Submit Code
```

Contest Calendar | Blog | Scoring | Environment | FAQ | About Us | Support | Careers | Terms Of Service | Privacy Policy | Request a Feature