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Test Name: Mock Test

Taken On: 9 Apr 2022 13:20:47 IST

Time 27 min 32 sec/ 30 min

Taken:

Resume: https://hackerrank-

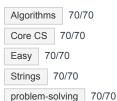
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Invited by: Ankush

Invited on: 9 Apr 2022 13:20:22 IST

Skills Score:

Tags Score:



100% 70/70

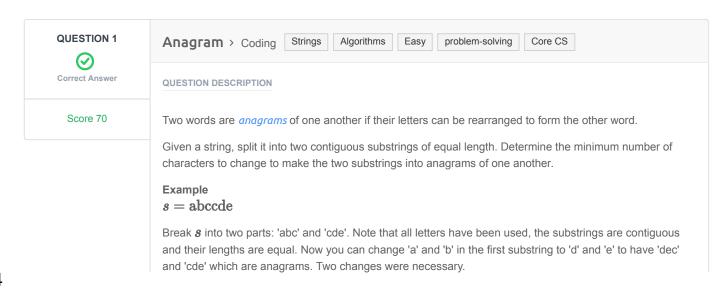
scored in **Mock Test** in 27 min 32 sec on 9 Apr 2022 13:20:47

IST

Recruiter/Team Comments:

No Comments.

Question Description	Time Taken	Score	Status
Q1 Anagram > Coding	27 min 23 sec	70/70	Ø



Function Description

Complete the anagram function in the editor below.

anagram has the following parameter(s):

• string s: a string

Returns

• int: the minimum number of characters to change or -1.

Input Format

The first line will contain an integer, q, the number of test cases. Each test case will contain a string s.

Constraints

- $1 \le q \le 100$
- $1 \le |s| \le 10^4$
- s consists only of characters in the range ascii[a-z].

Sample Input

```
6
aaabbb
ab
abc
mnop
xyyx
xaxbbbxx
```

Sample Output

```
3
1
-1
2
0
1
```

Explanation

Test Case #01: We split s into two strings s1='aaa' and s2='bbb'. We have to replace all three characters from the first string with 'b' to make the strings anagrams.

Test Case #02: You have to replace 'a' with 'b', which will generate "bb".

Test Case #03: It is not possible for two strings of unequal length to be anagrams of one another.

Test Case #04: We have to replace both the characters of first string ("mn") to make it an anagram of the other one.

Test Case #05: S1 and S2 are already anagrams of one another.

Test Case #06: Here S1 = "xaxb" and S2 = "bbxx". You must replace 'a' from S1 with 'b' so that S1 = "xbxb".

CANDIDATE ANSWER

Language used: C++14

```
1 /*
2 * Complete the 'anagram' function below.
```

```
4 * The function is expected to return an INTEGER.
* The function accepts STRING s as parameter.
6 */
8 int anagram(string s) {
9
     int result=0;
     if(s.size()%2)
         return -1;
     string s1=s.substr(0,s.size()/2);
     string s3=s1;
      string s2=s.substr(s.size()/2);
     string s4=s2;
     map<char,int> m1;
19
      map<char,int> m2;
     for(char ch1:s1){
       m1[ch1]++;
     for(char ch2:s2){
24
      m1[ch2]--;
     }
     for(auto item:m1){
       //cout<<item.first<<" "<<item.second<<endl;</pre>
         if(item.second>0)
             result+=item.second;
     }
     return result;
36 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Hidden case	Success	5	0.018 sec	9.12 KB
Testcase 2	Easy	Hidden case	Success	5	0.0202 sec	8.87 KB
Testcase 3	Easy	Hidden case	Success	5	0.0213 sec	9.07 KB
Testcase 4	Easy	Hidden case	Success	5	0.0169 sec	9.01 KB
Testcase 5	Easy	Hidden case	Success	5	0.019 sec	9.02 KB
Testcase 6	Easy	Hidden case	Success	5	0.0748 sec	8.98 KB
Testcase 7	Easy	Hidden case	Success	5	0.0412 sec	9.17 KB
Testcase 8	Easy	Hidden case	Success	5	0.0817 sec	8.87 KB
Testcase 9	Easy	Hidden case	Success	5	0.042 sec	8.9 KB
Testcase 10	Easy	Hidden case	Success	5	0.0835 sec	8.98 KB
Testcase 11	Easy	Hidden case	Success	5	0.0373 sec	9.16 KB
Testcase 12	Easy	Hidden case	Success	5	0.08 sec	9.11 KB
Testcase 13	Easy	Hidden case	Success	5	0.0711 sec	9.04 KB
Testcase 14	Easy	Hidden case	Success	5	0.068 sec	8.85 KB
Testcase 15	Easy	Sample case	Success	0	0.0253 sec	9.02 KB
Testcase 16	Easy	Sample case	Success	0	0.0186 sec	9.02 KB

No Comments

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