

### Mock Test > doliatius@protonmail.com

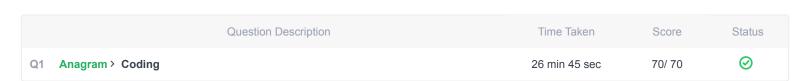
**Full Name:** Doli Email: doliatius@protonmail.com Test Name: **Mock Test** Taken On: 19 Jan 2024 22:31:05 IST Time Taken: 26 min 50 sec/ 30 min Linkedin: https://www.linkedin.com/in/musab-oguz-68990a200/ Invited by: Ankush Invited on: 19 Jan 2024 22:08:01 IST Skills Score: Tags Score: Algorithms 70/70 Core CS 70/70 Easy 70/70 Strings 70/70

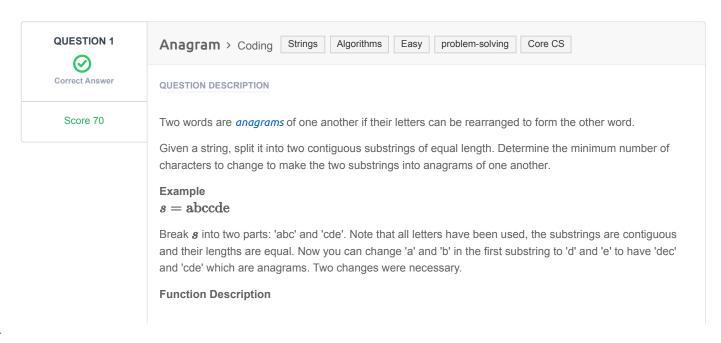
problem-solving

100% scored in Mock Test in 26 min 50 sec on 19 Jan 2024 22:31:05 IST

# Recruiter/Team Comments:

No Comments.





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**

- $1 \le q \le 100$
- $1 \le |s| \le 10^4$
- ${\it s}$  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.
3 *
4 * The function is expected to return an INTEGER.
5 * The function accepts STRING s as parameter.
6 */
```

```
int anagram(string s) {
       int len = s.size();
      if (len % 2 == 1) {
          return -1;
       string str a = s.substr(0, len/2);
       string str b = s.substr(len/2);
       map <char, int> mapA;
       map <char, int> mapB;
       int min = 0;
       cout<<str_a<<" "<<str_b<<endl;</pre>
24
       for (auto chr : str_a) {
         mapA[chr]++;
       for (auto chr : str_b) {
        mapB[chr]++;
      for (auto& entry : mapA) {
        char chr = entry.first;
          int freq_a = entry.second;
          int freq_b = mapB[chr];
          min += max(0, freq_a - freq_b);
       return min;
39 }
40
41
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Hidden case	Success	5	0.0071 sec	8.89 KB
Testcase 2	Easy	Hidden case	Success	5	0.0149 sec	8.83 KB
Testcase 3	Easy	Hidden case	Success	5	0.0064 sec	8.7 KB
Testcase 4	Easy	Hidden case	Success	5	0.0076 sec	8.73 KB
Testcase 5	Easy	Hidden case	Success	5	0.0066 sec	8.93 KB
Testcase 6	Easy	Hidden case	Success	5	0.0494 sec	8.73 KB
Testcase 7	Easy	Hidden case	Success	5	0.0249 sec	8.81 KB
Testcase 8	Easy	Hidden case	Success	5	0.0531 sec	8.87 KB
Testcase 9	Easy	Hidden case	Success	5	0.0228 sec	8.88 KB
Testcase 10	Easy	Hidden case	Success	5	0.0499 sec	8.93 KB
Testcase 11	Easy	Hidden case	Success	5	0.0221 sec	8.74 KB
Testcase 12	Easy	Hidden case	Success	5	0.0846 sec	8.8 KB
Testcase 13	Easy	Hidden case	Success	5	0.0947 sec	8.89 KB
Testcase 14	Easy	Hidden case	Success	5	0.0425 sec	8.95 KB
Testcase 15	Easy	Sample case	Success	0	0.0058 sec	8.82 KB
Testcase 16	Easy	Sample case	Success	0	0.006 sec	8.77 KB

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