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Test Name: **Mock Test** 

Taken On: 19 Oct 2021 05:20:16 IST

Time Taken: 21 min 51 sec/ 22 min

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Invited by: Ankush

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Skills Score:

Tags Score: Algorithms 0/105

Core CS 0/105 Easy 0/105

Problem Solving 0/105

Strings 0/105

problem-solving 0/105

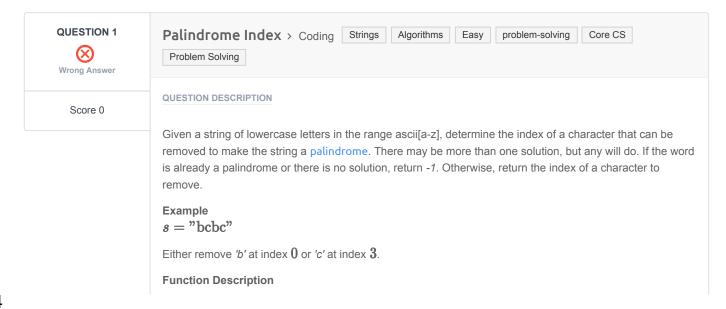
0% 0/105

scored in Mock Test in 21 min 51 sec on 19 Oct 2021 05:20:16

# **Recruiter/Team Comments:**

No Comments.

Question Description	Time Taken	Score	Status
Q1 Palindrome Index > Coding	20 min 15 sec	0/ 105	$\otimes$



Complete the palindromeIndex function in the editor below.

 $palindromeIndex\ has\ the\ following\ parameter (s):$ 

• string s: a string to analyze

# Returns

• int: the index of the character to remove or -1

# **Input Format**

The first line contains an integer q, the number of queries. Each of the next q lines contains a query string s.

#### Constraints

- $1 \le q \le 20$
- $1 \le \text{length of } s \le 10^5 + 5$
- All characters are in the range ascii[a-z].

# Sample Input

```
STDIN Function

-----

3  q = 3

aaab  s = 'aaab' (first query)

baa  s = 'baa' (second query)

aaa  s = 'aaa' (third query)
```

# **Sample Output**

```
3
0
-1
```

# **Explanation**

Query 1: "aaab"

Removing b' at index b' results in a palindrome, so return b'.

Query 2: "baa"

Removing 'b' at index 0 results in a palindrome, so return 0.

Query 3: "aaa"

This string is already a palindrome, so return -1. Removing any one of the characters would result in a palindrome, but this test comes first.

Note: The custom checker logic for this challenge is available here.

# **CANDIDATE ANSWER**

The candidate did not manually submit any code. The last compiled version has been auto-submitted and the score you see below is for the auto-submitted version.

Language used: C++

```
1 /*
2 * Complete the 'palindromeIndex' function below.
3 *
4 * The function is expected to return an INTEGER.
5 * The function accepts STRING s as parameter.
6 */
7
```

```
o bool is_pailingfolie(string s){
9
      int start(0), end(s.size()-1);
     while(start < end){</pre>
          if(s[start] != s[end]){
              return false;
      }
start++;
end--;
14
         end--;
     }
      return true;
18 }
20 int palindromeIndex(string s) {
21 string s1;
      if(is_palindrome(s)){
         return -1;
24
     for(size_t i=0; i<s.size(); ++i){
        s1 = s;
       s1.erase(i,i);
if(is_palindrome(s1)){
              return i+1;
      }
      }
      return -1;
33 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case		0	0.0177 sec	9.18 KB
Testcase 2	Medium	Hidden case	⊗ Wrong Answer	0	0.0177 sec	9.09 KB
Testcase 3	Medium	Hidden case	Wrong Answer	0	0.0144 sec	8.89 KB
Testcase 4	Medium	Hidden case	Wrong Answer	0	0.0161 sec	9.14 KB
Testcase 5	Medium	Hidden case	Wrong Answer	0	0.0214 sec	9.09 KB
Testcase 6	Medium	Hidden case	Wrong Answer	0	1.206 sec	9.04 KB
Testcase 7	Medium	Hidden case	Wrong Answer	0	1.0957 sec	8.98 KB
Testcase 8	Medium	Hidden case	Terminated due to timeout	0	2.0022 sec	8.69 KB
Testcase 9	Hard	Hidden case	⊗ Wrong Answer	0	1.1345 sec	9.19 KB
Testcase 10	Hard	Hidden case	⊗ Wrong Answer	0	0.8466 sec	9.07 KB
Testcase 11	Hard	Hidden case	▼ Terminated due to timeout	0	2.0042 sec	8.6 KB
Testcase 12	Hard	Hidden case	⊗ Wrong Answer	0	0.0197 sec	8.92 KB
Testcase 13	Hard	Hidden case	Wrong Answer	0	1.0721 sec	9.14 KB
Testcase 14	Hard	Hidden case	Wrong Answer	0	0.8143 sec	9.13 KB
Testcase 15	Hard	Hidden case	Wrong Answer	0	1.7597 sec	9.09 KB

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