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Test Name: Mock Test

Taken On: 7 Jan 2023 16:05:43 IST

Time Taken: 7 min 15 sec/ 22 min

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Invited by: Ankush

Invited on: 7 Jan 2023 16:05:32 IST

Skills Score:

Tags Score: Algorithms 105/105

Core CS 105/105

Easy 105/105

Problem Solving 105/105

Strings 105/105

problem-solving 105/105

100% 105/105

scored in **Mock Test** in 7 min 15 sec on 7 Jan 2023 16:05:43 IST

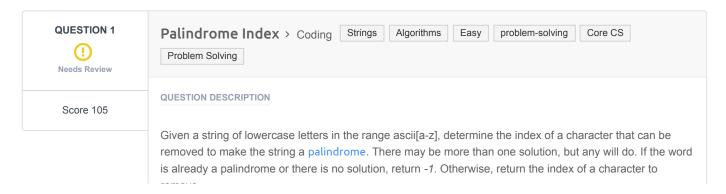
Recruiter/Team Comments:

No Comments.

Plagiarism flagged

We have marked questions with suspected plagiarism below. Please review.





remove.

```
Example s = \text{"bcbc"}
```

Either remove 'b' at index 0 or 'c' at index 3.

Function Description

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 3 results in a palindrome, so return 3.

Query 2: "baa"

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

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

Language used: C++14

```
1 /*
2 * Complete the 'palindromeIndex' function below.
3 *
4 * The function is expected to return an INTEGER.
5 * The function accounts STRING and parameter.
```

```
The function accepts sixing s as parameter.
6 */
8 int palindromeIndex(string s) {
9
    int i=0, j = s.size()-1;
     int ii=i, jj=j;
     bool error = false;
     if(s.size()>=3){
     while(i<=j){
  if(s[i]!-</pre>
14
             if(s[i]!=s[j]){
                  if(error) return jj;
                  error = true;
                  ii = i;
                 jj = j;
                  i++;
             }
             else{
                i++, j--;
24
          }
     }
      return error ? ii : -1;
27 }
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0232 sec	8.83 KB
Testcase 2	Medium	Hidden case	Success	5	0.0294 sec	8.42 KB
Testcase 3	Medium	Hidden case	Success	5	0.021 sec	8.8 KB
Testcase 4	Medium	Hidden case	Success	5	0.0319 sec	8.79 KB
Testcase 5	Medium	Hidden case	Success	5	0.0485 sec	8.82 KB
Testcase 6	Medium	Hidden case	Success	5	0.0393 sec	9.01 KB
Testcase 7	Medium	Hidden case	Success	5	0.0369 sec	8.95 KB
Testcase 8	Medium	Hidden case	Success	5	0.0707 sec	9.12 KB
Testcase 9	Hard	Hidden case	Success	10	0.0872 sec	8.95 KB
Testcase 10	Hard	Hidden case	Success	10	0.0238 sec	9.12 KB
Testcase 11	Hard	Hidden case	Success	10	0.052 sec	8.55 KB
Testcase 12	Hard	Hidden case	Success	10	0.0483 sec	8.79 KB
Testcase 13	Hard	Hidden case	Success	10	0.0253 sec	8.88 KB
Testcase 14	Hard	Hidden case	Success	10	0.0232 sec	8.95 KB
Testcase 15	Hard	Hidden case	Success	10	0.0368 sec	8.87 KB

No Comments

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