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Test Name:

Mock Test

Taken On:

8 Aug 2021 21:49:42 IST

Time Taken:

15 min 30 sec/ 22 min

Invited by:

Ankush

Invited on:

8 Aug 2021 21:49:31 IST

Skills Score:

Tags Score:

Algorithms 85/105

Core CS 85/105

Easy 85/105

Problem Solving 85/105

Strings 85/105

problem-solving 85/105

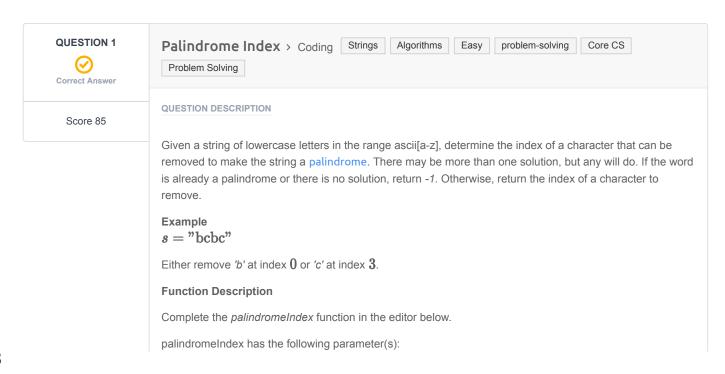
81% 85/105

scored in **Mock Test** in 15 min 30 sec on 8 Aug 2021 21:49:42 IST

Recruiter/Team Comments:

No Comments.





• 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 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

Language used: Python 3

```
# # Complete the 'palindromeIndex' function below.

# # The function is expected to return an INTEGER.

# The function accepts STRING s as parameter.

# # Write your code here

for i in range(len(s)//2):
    if s[i] != s[-(i + 1)]:
        # skip the right element
        new_str = s[:i] + s[i + 1:]

if new_str[:] == new_str[::-1]: # check if it's a palindrome
        return i

return len(s) = (i + 1)
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	Success	0	0.0417 sec	9.37 KB
Testcase 2	Medium	Hidden case	Success	5	0.0414 sec	9.38 KB
Testcase 3	Medium	Hidden case	Success	5	0.0421 sec	9.38 KB
Testcase 4	Medium	Hidden case	Success	5	0.0368 sec	9.39 KB
Testcase 5	Medium	Hidden case	Success	5	0.0378 sec	9.38 KB
Testcase 6	Medium	Hidden case	Success	5	0.0569 sec	9.79 KB
Testcase 7	Medium	Hidden case	Success	5	0.0546 sec	9.68 KB
Testcase 8	Medium	Hidden case	Success	5	0.0684 sec	9.71 KB
Testcase 9	Hard	Hidden case	Success	10	0.0464 sec	9.85 KB
Testcase 10	Hard	Hidden case	Success	10	0.0476 sec	9.7 KB
Testcase 11	Hard	Hidden case	Success	10	0.0545 sec	9.84 KB
Testcase 12	Hard	Hidden case	Success	10	0.0386 sec	9.44 KB
Testcase 13	Hard	Hidden case	Wrong Answer	0	0.0452 sec	9.75 KB
Testcase 14	Hard	Hidden case	Wrong Answer	0	0.0405 sec	9.68 KB
Testcase 15	Hard	Hidden case	Success	10	0.048 sec	9.68 KB

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