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Test Name: Mock Test

Taken On: 28 May 2022 10:00:14 IST

Time Taken: 12 min 41 sec/ 22 min

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Invited by: Ankush

Invited on: 28 May 2022 10:00:09 IST

Skills Score:

Tags Score: Algorithms 75/105

Core CS 75/105

Easy 75/105

Problem Solving 75/105

Strings 75/105

problem-solving 75/105

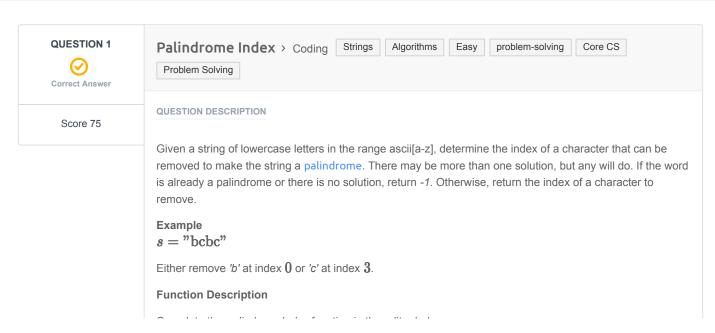
71.4%

scored in **Mock Test** in 12 min 41 sec on 28 May 2022 10:00:14 IST

Recruiter/Team Comments:

No Comments.





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

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

```
#
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
8 def palindromeIndex(s):
9 # Write your code here
10 n = len(s)
11 s1 = ''
12 if s == s[::-1]:
```

```
return -1
14
    else:
        s1 = s
16
         for r in range(n):
            s1 = s1[:r] + '' + s1[r+1:]
            if s1 == s1[::-1]:
18
19
                break
            elif r == n-1:
                r = -1
               break
            s1 = s
24
         return r
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	⊘ Success	0	0.1343 sec	9.38 KB
Testcase 2	Medium	Hidden case	Wrong Answer	0	0.0576 sec	9.39 KB
Testcase 3	Medium	Hidden case	Success	5	0.0409 sec	9.38 KB
Testcase 4	Medium	Hidden case	Success	5	0.123 sec	9.46 KB
Testcase 5	Medium	Hidden case	Success	5	0.0736 sec	9.46 KB
Testcase 6	Medium	Hidden case	Wrong Answer	0	5.7089 sec	9.79 KB
Testcase 7	Medium	Hidden case	Success	5	0.9209 sec	9.84 KB
Testcase 8	Medium	Hidden case	Success	5	5.2901 sec	9.82 KB
Testcase 9	Hard	Hidden case	Success	10	1.3571 sec	9.92 KB
Testcase 10	Hard	Hidden case	⊘ Success	10	0.9521 sec	9.75 KB
Testcase 11	Hard	Hidden case	Success	10	6.6696 sec	9.82 KB
Testcase 12	Hard	Hidden case	⊘ Success	10	0.1333 sec	9.38 KB
Testcase 13	Hard	Hidden case	Terminated due to timeout	0	10.007 sec	9.87 KB
Testcase 14	Hard	Hidden case	Success	10	6.3965 sec	9.73 KB
Testcase 15	Hard	Hidden case	Terminated due to timeout	0	10.0035 sec	9.77 KB

No Comments

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