

### Mock Test > nitinmoturu@gmail.com

**Full Name:** Nitin Moturu Email: nitinmoturu@gmail.com Test Name: **Mock Test** Taken On: 17 Aug 2024 08:54:09 IST Time Taken: 20 min 7 sec/ 22 min Invited by: Ankush Invited on: 17 Aug 2024 08:54:03 IST Skills Score: Tags Score: Algorithms 40/105 Core CS 40/105 Easy 40/105 Problem Solving 40/105 Strings 40/105

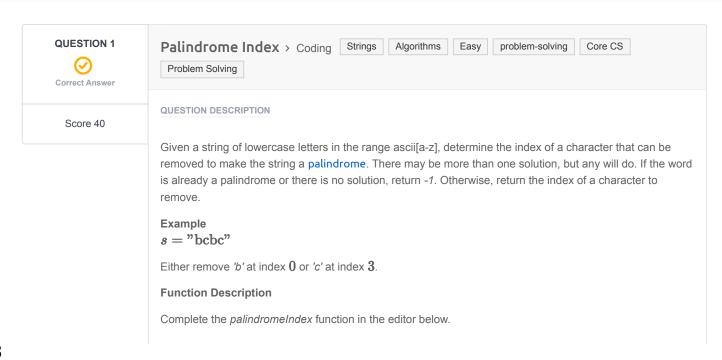
38.1% scored in **Mock Test** in 20 min 7 sec on 17 Aug 2024 08:54:09 IST

#### **Recruiter/Team Comments:**

No Comments.



problem-solving 40/105



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  ${\it q}$ , the number of queries.

Each of the next  $m{q}$  lines contains a query string  $m{s}$ .

## **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

```
for i in range(len(s)):
    temp = s[:i] + s[i+1:]
    if (checkPalindrome(temp)):
        print(temp)
        return i

return index

def checkPalindrome(s):
    st = 0
    ed = len(s)-1
    while (st< ed):
        if(s[st] != s[ed]):
        return False
        st += 1
    ed -= 1
    return True
</pre>
```

TESTCASE I	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	<b>⊘</b> Success	0	0.0413 sec	10.5 KB
Testcase 2	Medium	Hidden case	Wrong Answer	0	0.0408 sec	10.7 KB
Testcase 3	Medium	Hidden case	Success	5	0.0436 sec	10.5 KB
Testcase 4	Medium	Hidden case	Success	5	0.0322 sec	10.7 KB
Testcase 5	Medium	Hidden case	Success	5	0.038 sec	10.3 KB
Testcase 6	Medium	Hidden case	Terminated due to timeout	0	10.0063 sec	10.9 KB
Testcase 7	Medium	Hidden case	Success	5	8.3009 sec	10.8 KB
Testcase 8	Medium	Hidden case	Terminated due to timeout	0	10.0071 sec	11.1 KB
Testcase 9	Hard	Hidden case	Terminated due to timeout	0	10.0067 sec	10.9 KB
Testcase	Hard	Hidden case	<b>⊘</b> Success	10	5.0861 sec	10.8 KB
Testcase 11	Hard	Hidden case	Terminated due to timeout	0	10.0132 sec	10.4 KB
Testcase	Hard	Hidden case	Success	10	0.0344 sec	10.7 KB
Testcase	Hard	Hidden case	Terminated due to timeout	0	10.0114 sec	10.7 KB
Testcase	Hard	Hidden case	Terminated due to timeout	0	10.0106 sec	10.8 KB
Testcase	Hard	Hidden case	Terminated due to timeout	0	10.0128 sec	10.7 KB
o Comments						

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