

Mock Test > contato@guifr.com.br

Full Name: **GUILHERME FERNANDES** Email: contato@guifr.com.br Test Name: **Mock Test** 17 Jun 2022 19:06:52 IST Taken On: Time Taken: 29 min 51 sec/ 30 min Invited by: Ankush 17 Jun 2022 19:06:44 IST Invited on: Skills Score: Algorithms 45/105 Tags Score: Core CS 45/105 Easy 45/105 Problem Solving 45/105

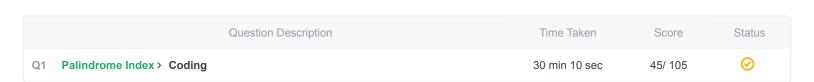
Strings 45/105

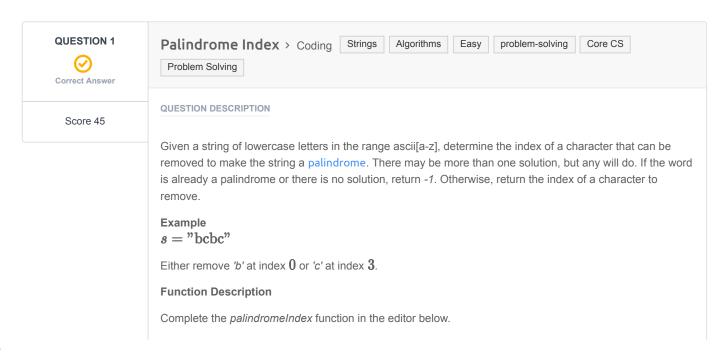
problem-solving 45/105

42.9% scored in **Mock Test** in 29 min 51 sec on 17 Jun 2022 19:06:52 IST

Recruiter/Team Comments:

No Comments.





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 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: Java 8

```
class Result {

/*

* Complete the 'palindromeIndex' function below.

* * The function is expected to return an INTEGER.

* The function accepts STRING s as parameter.

*/

*/
```

```
public static int palindromeIndex(String s) {
          System.out.println(s);
          int result = -1;
14
          StringBuilder order = new StringBuilder(s);
           StringBuilder reverse = new StringBuilder(s);
           reverse.reverse();
           if(order.toString().equals(reverse.toString())){
               return -1;
          while(true){
              result++;
              order = new StringBuilder(s);
              order.delete(result, result+1);
              reverse = new StringBuilder(order);
              reverse.reverse();
               if(order.toString().equals(reverse.toString())){
                   return result;
              int last = s.length() - 1 - result;
              order = new StringBuilder(s);
             order.delete(last, last+1);
              reverse = new StringBuilder(order);
               reverse.reverse();
              if(order.toString().equals(reverse.toString())){
                  return last;
           }
43 }
44
```

TESTCASE	DIFFICULTY	TYPE	STATUS	SCORE	TIME TAKEN	MEMORY USED
Testcase 1	Easy	Sample case	⊘ Success	0	0.1416 sec	29.3 KB
Testcase 2	Medium	Hidden case	Wrong Answer	0	0.1835 sec	29.9 KB
Testcase 3	Medium	Hidden case	Success	5	0.1367 sec	29.8 KB
Testcase 4	Medium	Hidden case	Success	5	0.1726 sec	29.4 KB
Testcase 5	Medium	Hidden case	Success	5	0.1986 sec	29.8 KB
Testcase 6	Medium	Hidden case	Terminated due to timeout	0	4.043 sec	199 KB
Testcase 7	Medium	Hidden case	Terminated due to timeout	0	4.0602 sec	200 KB
Testcase 8	Medium	Hidden case	Terminated due to timeout	0	4.0161 sec	201 KB
Testcase 9	Hard	Hidden case	Terminated due to timeout	0	4.057 sec	201 KB
Testcase 10	Hard	Hidden case	⊘ Success	10	3.5582 sec	201 KB
Testcase 11	Hard	Hidden case	Terminated due to timeout	0	4.0593 sec	200 KB

Testcase 12	Hard	Hidden case	Success	10	0.1861 sec	29.1 KB
Testcase	Hard	Hidden case	Terminated due to timeout	0	4.0267 sec	202 KB
Testcase	Hard	Hidden case	⊘ Success	10	3.4431 sec	201 KB
Testcase 15	Hard	Hidden case	Terminated due to timeout	0	4.0102 sec	200 KB
No Comments						

PDF generated at: 17 Jun 2022 14:09:01 UTC