

All Tracks > Algorithms > String Algorithms > Basics of String Manipulation > Problem

# Monk Teaches Palindrome Attempted by: 17508 / Accuracy: 78% / Maximum Score: 10 / ★★★☆ 359 Votes Tag(s): Data Structures, String, String Manipulation, Very-Easy PROBLEM EDITORIAL MY SUBMISSIONS ANALYTICS Monk introduces the concept of palindrome saving."A palindrome is

Monk introduces the concept of palindrome saying,"A palindrome is a sequence of characters which reads the same backward or forward."

Now, since he loves things to be binary, he asks you to find whether the given string is palindrome or not. If a given string is palindrome, you need to state that it is even palindrome (palindrome with even length) or odd palindrome (palindrome with odd length).

### Input:

The first line consists of T, denoting the number of test cases. Next follow T lines, each line consisting of a string of lowercase English alphabets.

### Output:

For each string, you need to find whether it is palindrome or not. If it is not a palindrome, print NO.

If it is a palindrome, print YES followed by a space; then print EVEN it is an even palindrome else print ODD.

Output for each string should be in a separate line. See the sample output for clarification.

### Constraints:

 $1 \le T \le 50$ 

 $1 \leq length \ of \ string \leq 10^5$ 

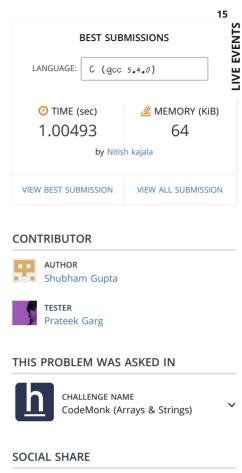
SAMPLE INPUT	<b>%</b> 🖆	SAMPLE OUTPUT	<b>%</b> 🔁
3 abc abba aba		NO YES EVEN YES ODD	

## Explanation

The first string is not a palindrome.

The second and third strings are palindromes of even and odd lengths respectively.

Time Limit:	1.0 sec(s) for each input file.			
Memory Limit:	256 MB			
Source Limit:	1024 KB			



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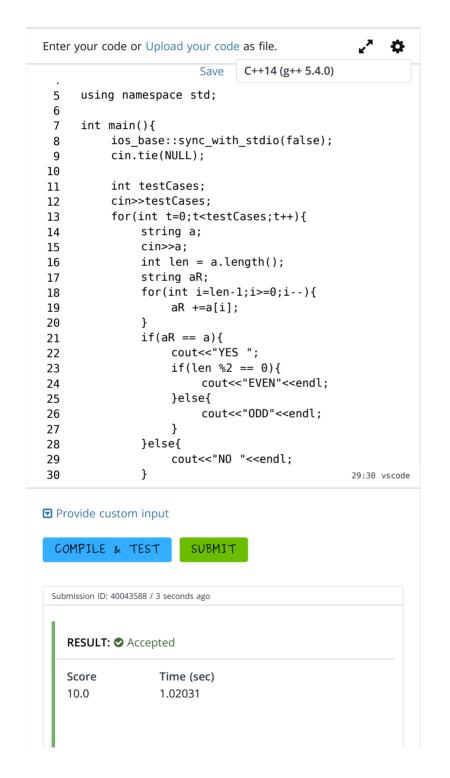
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Marking Scheme: Marks are awarded when all the testcases pass.

Allowed Languages: Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go,
Groovy, Haskell, Java, Java 8, JavaScript(Rhino),
JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua,
Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python,
Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift,
Swift-4.1, TypeScript, Visual Basic
```

15 INE EVENTS

### **CODE EDITOR**





?

64	y (KiB)		nguage +14				
Input	Result	Time (sec)	Memory (KiB)	Score	Your Output	Correct Output	Dif
Input #1	•	0.101742	64	8	Ø	Ø	Ø
Input #2	•	0.102546	64	8	Φ	ΰβ	ψ
Input #3	•	0.102104	64	8	Φ	ΰβ	क
Input #4	•	0.101607	64	8	<i>ট</i>	Φ	क
Input #5	•	0.101807	64	9	<i>ট</i>	<i>ট</i>	ψ
Input #6	•	0.101907	64	9	Φ	Φ	δ
Input #7	•	0.101871	64	10	Φ	υĎ	φ
Input #8	•	0.102056	64	10	ψ	ΰ	d
Input #9	•	0.1024	64	15	ψ	ΰ	þ
	<b>②</b>	0.102272	64	15	Ø	Ø	di

Your Rating:

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# PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED

Sumit's String
Attempted By: 2914 / Accuracy: 36
★★★☆☆ 38 Votes

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Compiler Version

Attempted By: 6378 / Accuracy: 47

★★★☆☆ 72 Votes

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