

**PRACTICE** 

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o punnammani1 V

Practice > Python > Regex and Parsing > Detect Floating Point Number

## **Detect Floating Point Number ☆**

44/115 challenges solved



× Your Detect Floating Point Number submission got 20.00 points. Share Tweet Try the next challenge | Try a Random Challenge

Problem	Submissions	Leaderboard	Discussions	Editorial 🖰	Tutorial	
Check Tutorial tab to know	how to to solve.				Author	DOSH
You are given a string $oldsymbol{N}.$					Difficulty	Eas
Your task is to verify that $m{N}$ is a floating point number.					Max Score	2
In this task, a valid float number must satisfy <i>all</i> of the following requirements:					Submitted By	1090
> Number can start with +, - or . symbol.					NEED HELP?	
For example:					☐ View tutorial	
<b>√</b> +4.50					☐ View discussions	
<b>√</b> -1.0						
<b>√</b> .5				View editorial		
<b>√</b> 7					▼ View top submissions	
<b>√</b> +.4					RATE THIS CHALLENGE	
X -+4.5				\( \dagger \da		
$>$ Number must contain $\it at least 1$ decimal value.						
For example:					MORE DETAILS	
X 12.						nent
<b>√</b> 12.0						es
> Number must have exactly one . symbol.					Suggest Edits	
> Number must no	t give any exceptions wl	hen converted using <b>flo</b>	pat(N).			
Input Format						
The first line contair	is an integer $m{T}$ , the nun	mber of test cases.				
The next $m{T}$ line(s) co	ontains a string $oldsymbol{N}$ .					
Constraints						
• 0 < T < 10						
Output Format						
Output <i>True</i> or <i>False</i>	e for each test case.					
Sample Input 0						
4						
4.000						

```
+4.54
SomeRandomStuff

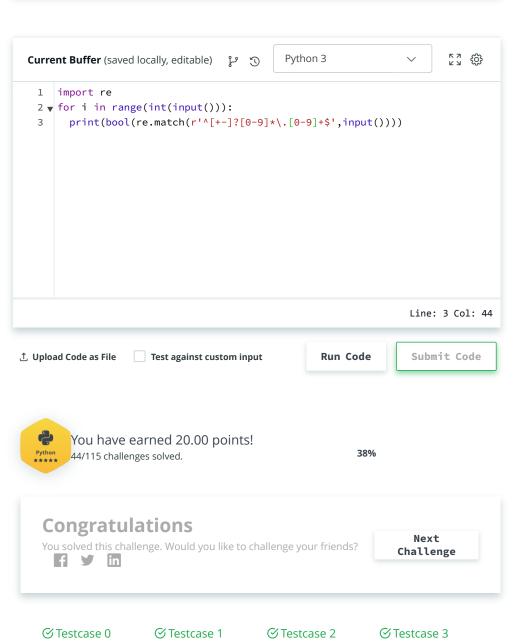
Sample Output 0

False
True
True
False

Explanation 0

4.000: O is not a digit.
—1.00: is valid.
+4.54: is valid.

SomeRandomStuff: is not a number.
```



18 Testcases∨



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