10/02/2018 HackerRank



♠ Practice

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Detect Floating Point Number



Problem Submissions Leaderboard Discussions Editorial 🔒 Tutorial

Check Tutorial tab to know how to to solve.

You are given a string N.

Your task is to verify that N is a floating point number.

In this task, a valid float number must satisfy all of the following requirements:

> Number can start with +, - or . symbol.

For example:

1+4.50

/-1.0

1.5

V-.7

1+.4

X -+4.5

> Number must contain at least 1 decimal value.

For example:

X 12.

12.0

- > Number must have exactly one . symbol.
- > Number must not give any exceptions when converted using float(N).

Input Format

The first line contains an integer T, the number of test cases.

The next T line(s) contains a string N.

Constraints

• 0 < T < 10

Output Format

Output True or False for each test case.

Sample Input 0

4.000

-1.00

+4.54

SomeRandomStuff

Sample Output 0

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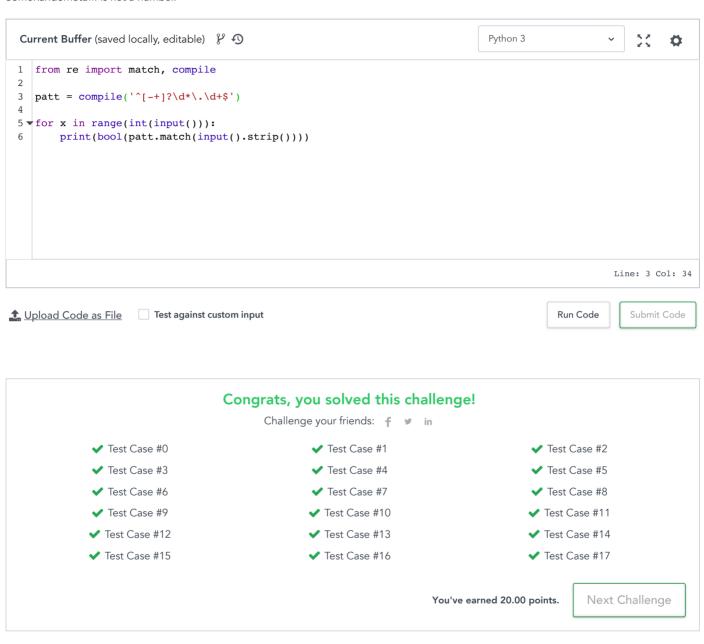
False True True False

Explanation 0

4.000: O is not a digit. **−1.00**: is valid.

+4.54: is valid.

SomeRandomStuff: is not a number.



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