



Practice &gt; Python &gt; Regex and Parsing &gt; Validating phone numbers

# Validating phone numbers ☆

51/115 challenges solved

Rank: 9428 | Points: 865



## Problem

## Submissions

## Leaderboard

## Discussions

## Editorial

Let's dive into the interesting topic of regular expressions! You are given some input, and you are required to check whether they are valid mobile numbers.

A valid mobile number is a ten digit number starting with a **7, 8** or **9**.

**Concept**

A valid mobile number is a ten digit number starting with a **7, 8** or **9**.

Regular expressions are a key concept in any programming language. A quick explanation with Python examples is [available here](#). You could also go through the link below to read more about regular expressions in Python.

<https://developers.google.com/edu/python/regular-expressions>

**Input Format**

The first line contains an integer  $N$ , the number of inputs.

$N$  lines follow, each containing some string.

**Constraints**

$$1 \leq N \leq 10$$

$$2 \leq \text{len}(\text{Number}) \leq 15$$

**Output Format**

For every string listed, print "YES" if it is a valid mobile number and "NO" if it is not on separate lines. Do not print the quotes.

**Sample Input**

```
2
9587456281
1252478965
```

**Sample Output**

```
YES
NO
```

Author

[harsh\\_beria93](#)

Difficulty

Easy

Max Score

20

Submitted By

8638

## NEED HELP?

[View discussions](#)[View editorial](#)[View top submissions](#)

## RATE THIS CHALLENGE



## MORE DETAILS

[Download problem statement](#)[Download sample test cases](#)[Suggest Edits](#)

Current Buffer (saved locally, editable)



Python 3



```
1 n=int(input())
2 l=[input() for i in range(n)]
3 for i in range(n):
4     if(len(l[i])==10):
5         if(l[i][0] in "789"):
```

```
6  ▼      if(l[i].isdigit()):
7          print("YES")
8  ▼      else:
9          print("NO")
10 ▼      else:
11         print("NO")
12 ▼      else:
13         print("NO")
```

Line: 1 Col: 1

[⬆ Upload Code as File](#) ☐ Test against custom input**Run Code****Submit Code**[Contest Calendar](#) | [Blog](#) | [Scoring](#) | [Environment](#) | [FAQ](#) | [About Us](#) | [Support](#) | [Careers](#) | [Terms Of Service](#) | [Privacy Policy](#) | [Request a Feature](#)