Validating phone numbers

85/115 challenges solved

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Problem Submissions Leaderboard 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

$1 \leq N \leq 10$

$2 \leq len(Number) \leq 15$

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
```

Change Theme Language Python 3

```
# Enter your code here. Read input from STDIN. Print output to STDOUT
import re

def validate_phone_number(number):
    pattern = r'^[789]\d{9}$'
```

```
    return "YES" if re.fullmatch(pattern, number) else "NO"

n = int(input())
for _ in range(n):
    phone_num = input().strip()
    print(validate_phone_number(phone_num))

```

EMACS Line: 12 Col: 1

Upload Code as File | Test against custom input | Run Code | Submit Code

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85/115 challenges solved.

74%

Congratulations

You solved this challenge. Would you like to challenge your friends?

Next Challenge

Test case 0

Test case 1

Test case 2

Test case 3

Compiler Message

Success

Input (stdin) Download

```
2
9587456281
```

Test case 4

```
3 1252478965
```

Test case 5

Expected Output

Download

Test case 6

```
1 YES
2 NO
```