Validating phone numbers ★

80/115 challenges solved

Rank: 19721 | Points: 1155

Your Validating phone numbers submission got 20.00 points. Share Tweet

Try the next challenge | Try a Random Challenge

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 Python 3

```
1  import re
2
3  if __name__ == '__main__':
4      phone_numbers = [input() for _ in range(int(input()))]
5
```

```
    pattern = '^[789]\d{9}$'
    validator = re.compile(pattern)

    for p in phone_numbers:
        print('YES' if validator.search(p) else 'NO')

```

Line: 11 Col: 1

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

You have earned 20.00 points!
80/115 challenges solved.

70%

Congratulations

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

Earn a certificate in Python

Kudos on your progress! Take the HackerRank Skills Certification test and enrich your profile. Get Certified

Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6

Compiler Message

Success

Input (stdin) Download

```
2
9587456281
1252478965
```

Expected Output Download

```
YES
NO
```