



# Java Regex



by Shafaet

Problem

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Write a class called *MyRegex* which will contain a string pattern. You need to write a regular expression and assign it to the pattern such that it can be used to validate an IP address. Use the following definition of an IP address:

IP address is a string in the form "A.B.C.D", where the value of A, B, C, and D may range from 0 to 255. Leading zeros are allowed. The length of A, B, C, or D can't be greater than 3.

Some valid IP address:

```
000.12.12.034
121.234.12.12
23.45.12.56
```

Some invalid IP address:

```
000.12.234.23.23
666.666.23.23
.213.123.23.32
23.45.22.32.
I.Am.not.an.ip
```

In this problem you will be provided strings containing any combination of ASCII characters. You have to write a regular expression to find the valid IPs.

Just write the *MyRegex* class which contains a String *pattern*. The string should contain the correct regular expression.

(*MyRegex* class *MUST NOT* be public)

## Sample Input

```
000.12.12.034
121.234.12.12
23.45.12.56
00.12.123.123123.123
122.23
Hello.IP
```

## Sample Output



```
true
true
true
false
false
false
```

Submissions: 16509

Max Score: 25

Difficulty: Medium

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```
1 ▶ import ↔;
4
5 ▼ class Solution{
6
7 ▼     public static void main(String []args){
8         Scanner in = new Scanner(System.in);
9 ▼         while(in.hasNext()){
10             String IP = in.next();
11             System.out.println(IP.matches(new MyRegex().pattern));
12         }
13
14     }
15 }
```

```
16 //Write your code here
```

Line: 1 Col: 1

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