Ques45.java | Test.java | *Test1.java | *pattern.java | Regex.java ✕ | string.java

```java
1
2  //Q.2 Write a class called MyRegex which will contain a string pattern.
3  //You need to write a regular expression and assign it to the pattern
4  //such that it can be used to validate an IP address.
5  package LAB;
6
7  import java.util.regex.Matcher;
8  import java.util.regex.Pattern;
9  import java.util.Scanner;
10
11 public class Regex {
12     public static void main(String[] args){
13         Scanner in = new Scanner(System.in);
14         while(in.hasNext()){
15             String IP = in.next();
16             System.out.println(IP.matches(new MyRegex().pattern));
17         }}}
18 class MyRegex{
19     String reg = "([0-9]|[0-9][0-9]|(0|1)[0-9][0-9]|2[0-4][0-9]|25[0-5])";
20     public String pattern = reg+"."+reg+"."+reg+"."+reg;
21 }
```

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