Dashboard › Java › Strings › Pattern Syntax Checker   **Points: 520.78 Rank: 3457**

Pattern Syntax Checker 🔖

by akashs_csedu

Problem	Submissions	Leaderboard	Discussions	Editorial

Using **Regex**, we can easily match or search for patterns in a text. Before searching for a pattern, we have to specify one using some well-defined syntax.

In this problem, you are given a pattern. You have to check whether the syntax of the given pattern is valid.

Note: In this problem, a regex is only valid if you can compile it using the Pattern.compile method.

Input Format

The first line of input contains an integer N, denoting the number of test cases. The next N lines contain a string of any printable characters representing the pattern of a regex.

Output Format

For each test case, print `Valid` if the syntax of the given pattern is correct. Otherwise, print `Invalid`. Do not print the quotes.

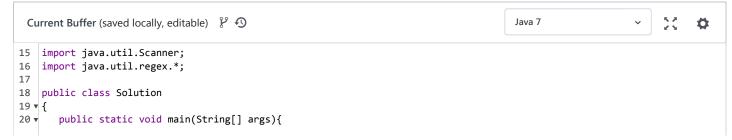**Sample Input**

```
3
([A-Z])(.+)
[AZ[a-z](a-z)
batcatpat(nat
```

Sample Output

```
Valid
Invalid
Invalid
```

f 🐦 in

Submissions: 15906
Max Score: 20
Difficulty: Easy

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More

Current Buffer (saved locally, editable) ⑂ 🕐   Java 7 ⌄   ⤢ ⚙

```java
15  import java.util.Scanner;
16  import java.util.regex.*;
17
18  public class Solution
19  {
20      public static void main(String[] args){
```

```java
21        Scanner in = new Scanner(System.in);
22        int testCases = Integer.parseInt(in.nextLine());
23 ▼      while(testCases>0){
24            String pattern = in.nextLine();
25                //Write your code
26        }
27    }
28 }
29
```

Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

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