Java Exception Handling 🔖

by Shafaet

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Create a class *MyCalculator* which consists of a single method `long power(int, int)`. This method takes two integers, n and p, as parameters and finds n^p. If either n or p is negative, then the method must throw an exception which says "n or p should not be negative.". Also, if both n and p are zero, then the method must throw an exception which says "n and p should not be zero."

Input Format

Each line of the input contains two integers, n and p. The locked stub code in the editor reads the input and sends the values to the method as parameters.

Constraints

- $-10 \leq n \leq 10$
- $-10 \leq p \leq 10$

Output Format

Each line of the output contains the result n^p, if both n and p are positive. If either n or p is negative, the output contains "n and p should be non-negative". If both n and p are zero, the output contains "n and p should not be zero.". This is printed by the locked stub code in the editor.

Sample Input 0

```
3 5
2 4
0 0
-1 -2
-1 3
```

Sample Output 0

```
243
16
java.lang.Exception: n and p should not be zero.
java.lang.Exception: n or p should not be negative.
java.lang.Exception: n or p should not be negative.
```

Explanation 0

- In the first two cases, both n and p are postive. So, the power function returns the answer correctly.

- In the third case, both n and p are zero. So, the exception, "n and p should not be zero.", is printed.

- In the last two cases, at least one out of n and p is negative. So, the exception, "n or p should not be negative.", is printed for these two cases.

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Submissions:20900

Max Score:15

Current Buffer (saved locally, editable) ⎇ 🕙

Java 7

```java
1 ▸ import ↔;
2
3
4 ▾ class MyCalculator {
5 ▾     /*
6       * Create the method long power(int, int) here.
7       */
8
9 }
10
```

```java
11 ▸ public class Solution {↔}
```

Line: 10 Col: 1

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code

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