j728jx

< starString   **Main Page → Problems → Solve a Problem**   writeSequence >

◉ Show Header

○ BJP4 Exercise 12.2: writeNums ☆
Favorite

Language/Type: ♨ Java recursion recursive programming
Author: Whitaker Brand (on 2016/09/08)

Write a method `writeNums` that accepts an integer parameter *n* and prints the first *n* integers starting with 1 in sequential order, separated by commas. For example, the following calls produce the following output:
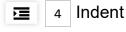
Call	Output
writeNums(5);	1, 2, 3, 4, 5
writeNums(12);	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Your method should throw an `IllegalArgumentException` if passed a value less than 1. Note that the output does not advance to the next line.

Type your solution here:

```java
 1  //Name:Jason Xu
 2  public int writeNums(int n) {
 3
 4      if(n<=0){
 5          throw new IllegalArgumentException("no");
 6      }
 7      if(n==1){
 8          System.out.print(n);
 9          return 0;
10      }
11      writeNums(n-1);
12      System.out.print(", "+n);
13      return n;
14
15  }
```

This is a **method problem.** Write a Java method as described. Do not write a complete program or class; just the method(s) above.

▤ 4 Indent

☑ Sound F/X
☑ Highlighting

🚀 **Submit**

⊘ You passed 5 of 5 tests.

Go to the next problem: writeSequence

test #1:	writeNums(1);
console output:	1
result:	⊘ pass

test #2:	writeNums(2);
console output:	1, 2
result:	⊘ pass

test #3:	writeNums(5);
console output:	1, 2, 3, 4, 5
result:	⊘ pass

test #4:	writeNums(12);
console output:	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
result:	⊘ pass

test #5:	writeNums(0);
console output:	
exp. exception:	IllegalArgumentException
your exception:	IllegalArgumentException: no
result:	⊘ pass

If you do not understand how to solve a problem or why your solution doesn't work, please contact your TA or instructor.
If something seems wrong with the site (errors, slow performance, incorrect problems/tests, etc.), please   contact us.

Is there a problem? <u>Contact a site administrator</u>.