11/29/2018 Prutor



Practice problems aimed to improve your coding skills.

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- PRACTICE-02_SCAN-PRINT
- PRACTICE-03_TYPES
- LAB-PRAC-02_SCAN-PRINT
- LAB-PRAC-01
- PRACTICE-04_COND
- **BONUS-PRAC-02**
- LAB-PRAC-03_TYPES
- PRACTICE-05 COND-LOOPS
- LAB-PRAC-04 COND
- LAB-PRAC-05_CONDLOOPS
- PRACTICE-07_LOOPS-ARR
- LAB-PRAC-06 LOOPS
 - Fill in the Square
 - Pretty Numbers
 - Block Cipher
 - 2 The Fibonacci Facade
 - 2 Stream AM GM
 - 2 Int on Int
 - 2 Bejewelled Brooch
 - Mobile Mixup
 - Primes are in C
 - Towering Numbers
 - A Run of One
 - Where are the primes-
- LAB-PRAC-07_LOOPS-ARR
- LABEXAM-PRAC-01 MIDSEM
- PRACTICE-09_PTR-MAT
- LAB-PRAC-08_ARR-STR
- PRACTICE-10 MAT-FUN
- **☎** LAB-PRAC-09_PTR-MAT
- LAB-PRAC-10_MAT-FUN
- PRACTICE-11 FUN-PTR
- LAB-PRAC-11_FUN-PTR
- LAB-PRAC-12_FUN-STRUC
- **►** LABEXAM-PRAC-02_ENDSEM
- LAB-PRAC-13_STRUC-NUM
- LAB-PRAC-14_SORT-MISC

Towering Numbers LAB-PRAC-06 LOOPS

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Towering Numbers [20 marks]

Problem Statement

Given a **strictly positive integer** $N \ge 1$, your job is to print a number pyramid as show below. Suppose N = 5, then the pyramid should look like

5

454

34543

2345432

123454321

The first line has four spaces and then a 5, then no extra spaces. The second line has three spaces and then 454 (no spaces between the numbers) and then no extra spaces, and so on. There is no trailing new line after the last line is over.

Suppose N = 3, then the pyramid should look like

3

232

12321

The first line has two spaces and then a 3, then no extra spaces. The second line has one space and then 232 (no spaces between the numbers) and then no extra spaces, and so on. There is no trailing new line after the last line is over.

Caution

- 1. Be careful about extra/missing lines and extra/missing spaces.
- 2. Be very careful, even though the evaluation may give you marks for extra spaces and newlines, the autograder will give you zero marks for any extra spaces or new lines.

Grading Scheme:

Total marks: [10 Points]

There will be no partial grading in this question. An exact match will receive full marks whereas an incomplete match will receive 0 points. Please be careful of missing/extra spaces and missing/lines (take help of visible test cases). Each visible test case is worth 1 point and each hidden test case is worth 2 points. There are 2 visible and 4 hidden test cases.

¥¶ Start Solving! (/editor/practice/6119)