Practice Arena

Practice problems aimed to improve your coding skills.

- 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
  - FIFA Fever
  - Matrix Math
  - The Tale of Three Lines
  - Fiery FIFA Fever
  - The Final Rational
  - Quadratic Quandary
  - FIFA Fractions
  - Digit Dilemma
  - Recursive Recharge
  - Breaking the Lego Safe
  - The Final Rational Revisited
  - Developing an interest in interest
- PRACTICE-05_COND-LOOPS
- LAB-PRAC-04_COND
- LAB-PRAC-05_CONDLOOPS
- PRACTICE-07_LOOPS-ARR
- LAB-PRAC-06_LOOPS
- 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

Digit Dilemma

LAB-PRAC-03_TYPES

Digit Dilemma [20 marks]

Problem Statement
You are given a 4-digit **integer number** N and another single digit **integer** A. On the first line, output the sum of digits of the number N. On the second line, output how many times does the digit A appear in the number N.

Caution

1. Be careful about extra/missing lines and extra/missing spaces.
2. Be careful that the number N may contain zeros (even at the beginning), as well as the digit A may itself be zero. For example if N = 0501, A = 0, then we will say that A appears **twice** in N
3. Give your outputs on two different lines

INPUT:
N A
OUTPUT:
sum of digits of N
number of times digit A appears in N

EXAMPLE:
INPUT
1223 2

OUTPUT:
8
2

Grading Scheme:
Total marks: **[20 Points]**

There will be partial grading in this question. Your output has two lines. Printing each line correctly will get you 50% marks. Each visible test case is worth 2 points and each hidden test case is worth 4 points. There are 2 visible and 4 hidden test cases.

Please remember, however, that when you press Submit/Evaluate, you will get a green bar only if all parts of your answer are correct. Thus, if your answer is only partly correct, Prutor will say that you have not passed that test case completely, but when we do autograding afterwards, you will get partial marks.

Start Solving! (/editor/practice/6025)