Practice Arena

Practice problems aimed to improve your coding skills.

- PRACTICE-02_SCAN-PRINT
- PRACTICE-03_TYPES
- LAB-PRAC-02_SCAN-PRINT
  - Mr C goes on a diet
  - Permute Password
  - Escapes around Tutors
  - Amusing Fractions
  - P and C
  - Build a Rhombus
  - Developing Interest at IITK
  - Pick your Choice
  - Lego Safe
  - Race Car
  - Reverse Gear
  - Numerical Flowers
- 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
- 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

P and C

LAB-PRAC-02_SCAN-PRINT

P and C [20 marks]

Problem Statement
You are given 3 NON-ZERO numbers between 1-9 i.e. they are SINGLE DIGIT. The digits will be given in increasing order. For example, you may be given the digits 3,6,8 in that order. Your job is to print out all positive numbers strictly less than 100 (i.e. 100 not included) that can be created out of these 3 digits. Print all these numbers in increasing order and one number per line.

Caution

1. The three digits given to you are distinct and are given in increasing order.
2. The numbers you form out of these digits may have repetitions. For example, if you are given the digits 3,6,8, then the number 33 is perfectly valid since it is less than 100 and is formed out of the digits given to you.
3. Your numbers should be output in increasing order, one on each line.
4. Do not use any datatype other than int.
5. Do not use any library other than stdio.h

HINTS: Visible test cases are there to show you how to give the output as well as warn you if you have extra spaces or extra lines etc in your output.

INPUT:
digit1 digit2 digit3
OUTPUT:
number1
number2
...

EXAMPLE:
INPUT
1 2 3
OUTPUT:
1
2
3
11
12
13
21
22
23
31
32
33

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

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

Start Solving! (/editor/practice/5953)