✏️ 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
📂 PRACTICE-05_COND-LOOPS
📂 LAB-PRAC-04_COND
📂 LAB-PRAC-05_CONDLOOPS
- ❓ Forgetful Mr C
- ❓ Rich Mr C
- ❓ Perfect Numbers
- ❓ Mr C builds a Calculator
- ❓ Love for Primes
- ❓ Tryst with Taylor
- ❓ Mr C is very busy
- ❓ Fabulous Fibonacci
- ❓ Digit Debacle
- ❓ May the fourth be with you
- ❓ Phone a friend
- ❓ The legend of Chess
📂 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

Love for Primes

LAB-PRAC-05_CONDLOOPS

Love for Primes [20 marks]

Problem Statement

Given a positive **integer** N >= 2, write a program to find the smallest divisor D of N such that D > 1. Further if N is prime, then **on a second line** print "PRIME" (without quotes) otherwise print "COMPOSITE" (without quotes).

Caution

1. The smallest divisor D of N such that D > 1 may be N itself (if this does happen, what does this say about the number N)?
2. We will always give you a value of N that can fit inside int variable
3. Be careful about the primality of small single digit numbers
4. Be careful about extra/missing lines and extra/missing spaces.

EXAMPLE:
INPUT
3

OUTPUT:
3
PRIME

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

There will be partial grading in this question. There are two lines in your output. Printing each line correctly, in the correct order, carries 50% weightage. 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/6081)