

# Find Prime Number

## Description

First,  
**write a prime(int n) function**  
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that can check if n is a prime number.

Write a program to list all prime numbers that are smaller than the input.

## Input

Input N is the number that you have to list all the prime numbers that are smaller than it.

$5 \leq N \leq 10000$

## Output

Output a string "Results: " followed by all the prime numbers that are smaller than input N (Whichmeans excluding N)  
in ascending order and seperated by single space

### Sample Input 1

20

### Sample Output 1

Results: 2 3 5 7 11 13 17 19

 Problems

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### Information

ID mid\_05

Time Limit 1000MS

Memory Limit 256MB

IO Mode Standard IO

Created By anonymouself

Level Low

Score 100

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### Statistic

Details

 AC  WA

