

## Counting to Infinity

Don't let the title fool you: in this problem, all your program needs to do is to count as high as ten thousand. Specifically, it must read in the integer  $n$  and list all the integers from 1 to  $n$  in order.

### Input

The input will consist of a single integer,  $n$ . It is guaranteed that  $1 \leq n \leq 10,000$ .

### Output

Your output should consist of the integers from 1 to  $n$  in increasing order, separated by line breaks.

### Sample Input 1

8

### Sample Output 1

1  
2  
3  
4  
5  
6  
7  
8