

Problem A. Children and Candies (ABC Edit)

Time limit 2000 ms

Mem limit 262144 kB

Problem Statement

There are N children in AtCoder Kindergarten. Mr. Evi will arrange the children in a line, then give 1 candy to the first child in the line, 2 candies to the second child, ..., N candies to the N -th child. How many candies will be necessary in total?

Constraints

- $1 \leq N \leq 100$

Input

The input is given from Standard Input in the following format:

N

Output

Print the necessary number of candies in total.

Sample 1

Input	Output
3	6

The answer is $1 + 2 + 3 = 6$.

Sample 2

Input	Output
10	55

The sum of the integers from 1 to 10 is 55.

Sample 3

Input	Output
1	1

Only one child. The answer is 1 in this case.