

# 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.