No More Sum

HackerRank

You are given a integer N. You have to find out the summation of 1 to N. More formally, calculate 1+2+3+..........+ N = ?

Input Format

You will be given a single integer.

Constraints

1 <= N <= 1000

Output Format

Print a single integer which denotes the summation from 1 to N.

Sample Input 0

```
4
```

Sample Output 0

```
10
```

Explanation 0

1+2+3+4 = 10

Sample Input 1

```
8
```

Sample Output 1

```
36
```

Explanation 1

1+2+3+4+5+6+7+8 = 36