

Problem statement[Send feedback](#)

You are given an integer ' n '.

Your task is determining the sum of the first ' n ' natural numbers and returning it.

Example:

Input: ' n ' = 3

Output: 6

Explanation: The sum of the first 3 natural numbers is $1 + 2 + 3$, equal to 6.

Detailed explanation (Input/output format, Notes, Images)**Sample Input 1:**

3

Sample Output 1 :

6

Explanation Of Sample Input 1:

Input: ' n ' = 3

Output: 6

Explanation: The sum of the first 3 natural numbers is $1 + 2 + 3$, equal to 6.

Sample Input 2:

5

Sample Output 2:

15

Explanation of sample output 2:

Input: ' n ' = 5

Output: 15

Explanation: The sum of the first 5 natural numbers is $1 + 2 + 3 + 4 + 5$, equal to 15.

Expected Time Complexity:

The expected time complexity is $O(1)$.

Expected Space Complexity:

The expected space complexity is $O(1)$.

Constraints:

$1 \leq n \leq 10^9$

Time Limit: 1 sec