

<https://course.acciojob.com/idle?question=4291a003-7ad7-4e4f-8319-648f12ede4f4>

● EASY

● Max Score: 30 Points

## Sum of Natural Numbers (Functions)

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For an integer  $N$ , your task is to calculate the sum of first  $N$  natural numbers.

**Input User Task:** Since this will be a functional problem, you do not have to worry about input. You just have to complete the function `NumberSum()` which takes the integer (large value possible)  $N$  as a parameter and returns the sum of first  $N$  natural numbers..

### Input Format

First line is an integer  $N$

### Output Format

Print the sum of the first  $N$  natural numbers.

### Example 1

Input

5

Output

15

Explanation

Here,  $n = 5$ , so  $1 + 2 + 3 + 4 + 5 = 15$

## Example 2

Input

1

Output

1

Explanation

Here,  $n = 1$ , so  $sum = 1$

## Constraints

$1 \leq N \leq 10^8$

### Topic Tags

- Math

# My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main  
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
Scanner s=new Scanner(System.in);
int n=s.nextInt();
long sum=0;
while(n>0)
{
    sum=sum+n;
    n=n-1;
}
System.out.print(sum);
}
```