https://course.acciojob.com/idle?question=6e19b00c-df61-4125-902c -f479f6b242d2

EASY

Max Score: 30 Points

Sum of natural numbers

Write a recursive program to find out the sum of all natural numbers till N. Take input of N from the user and make a recursive function that returns the sum of all the natural numbers upto N.

Input Format

First line is an integer N

Output Format

Print the sum of first N natural numbers.

Example 1

Input

5

Output

15

Explanation

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

Example 2

```
Input

Output

Explanation

Here n = 1, so 1 = 1
```

Constraints

```
1 <= N < = 10^3
```

Topic Tags

- Recursion
- Basics

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
```