- **EASY**
- **Max Score: 30 Points**

Natural Sum

Write a program to calculate the sum of first N natural numbers.

Note: Natural numbers are the numbers that start from 1 and end at infinity.

Input Format

First line contains an integer N

You need to complete printSum function which contains N natural number and return sum of final summation upto N.

Output Format

Print the sum in first line

Example 1

Input

10

Output

55

Explanation

Here, sum is 55 i.e. 1+2+3+4+....+9+10 = 55.

Example 2

Input

```
20
```

Output

```
210
```

Explanation

Here, sum is 210 i.e. 1+2+3+4+....+19+20 = 210.

Constraints

1 <= N <= 10^3

My code

```java
// in java
import java.util.*;

class Solution {
    static int printSum(int N){
        //Write code here
        N=N*(N+1);

        return N/2;
```

```java
        }
}
public class Main {
    public static void main(String[] args) throws Throwable {
        Scanner sc = new Scanner(System.in);
        int N = sc.nextInt();
        System.out.println(Solution.printSum(N));
    }
}
```