https://course.acciojob.com/idle?question=ccf565e0-230e-4c93-af65-b11e715c9338

- EASY
- Max Score: 30 Points

Factorial Recursively

Given a positive integer `N`, find its factorial recursively.

Input Format

Input consists of a single line.

Input consists of a single integer `N`

Output Format

Print the factorial of the number.

Example 1

Input

```
5
```

Output

```
120
```

Explanation

We have `N = 5`.

So Factorial of `5 = 1 * 2 * 3 * 4 * 5 = 120`

Example 2

Input

```
15
```

Output

```
1307674368000
```

Explanation

We have `N = 15`.

So Factorial of `15 = 1 * 2 * 3 * 4 * 5 * 6 * 7 * 8 * 9 * 10 * 11 * 12 * 13 * 14 * 15 = 1307674368000`

Constraints

```
1 <= N <= 18
```

Topic Tags

- Recursion
- Basics

My code

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

public class Main
```

```
{
	static long fac(long n)
	{
		if(n==1 || n==0)
			return 1;
		return (n*fac(n-1));
	}
	public static void main (String[] args) throws
java.lang.Exception
	{
		//your code here
		Scanner s=new Scanner(System.in);
		long n=s.nextInt();
		  System.out.print(fac(n));
	}



}
```