**Problem :** You have been given a positive integer N. You need to find and print the Factorial of this number. The Factorial of a positive integer N refers to the product of all number in the range from 1 to N. You can read more about the factorial of a number [here.](https://en.wikipedia.org/wiki/Factorial)

**Input Format:** The first and only line of the input contains a single integer N denoting the number whose factorial you need to find.

**Output Format:** Output a single line denoting the factorial of the number N.

**Constraints :** 1≤N≤10

**Solution :**

import java.util.Scanner;

public class Factorial {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

int number = scanner.nextInt();

System.out.println(findFactorial(number));

}

public static long findFactorial(int n) {

long factorial = 1;

for (int i = 1; i <= n; i++) {

factorial \*= i;

}

return factorial;

}

}