**Small Factorial**

[ad-hoc](http://www.practice.geeksforgeeks.org/tag-page.php?tag=ad-hoc&isCmp=0)

Calculate factorial of a given number N.

**Input:**

The first line contains an integer 'T' denoting the total number of test cases. In each test cases, it contains an integer 'N'.

**Output:**  
In each seperate line output the answer to the problem.  
  
**Constraints:**

1<=T<=100  
1<=N<=18

**Example:**  
Input :  
1  
5  
  
Output:

120

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=274>

#include <iostream>

#include <stdio.h>

#define ll long long int

//#include <conio.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

int N;

scanf("%d", &N);

ll prod=1;

for(int i = 2; i<=N; i++) {

prod \*= i;

}

printf("%lld\n", prod);

}

// getch();

return 0;

}