**N!**

**Time Limit: 10000/5000 MS (Java/Others)    Memory Limit: 65536/32768 K (Java/Others)  
Total Submission(s): 59533    Accepted Submission(s): 16933**

**Problem Description**

Given an integer N(0 ≤ N ≤ 10000), your task is to calculate N!

**Input**

One N in one line, process to the end of file.

**Output**

For each N, output N! in one line.

**Sample Input**

1

2

3

**Sample Output**

1

2

6

**Author**

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**Recommend**

We have carefully selected several similar problems for you:  [1753](http://acm.hdu.edu.cn/showproblem.php?pid=1753) [1250](http://acm.hdu.edu.cn/showproblem.php?pid=1250) [1133](http://acm.hdu.edu.cn/showproblem.php?pid=1133) [2100](http://acm.hdu.edu.cn/showproblem.php?pid=2100) [1297](http://acm.hdu.edu.cn/showproblem.php?pid=1297)