#include <iostream>

#include "time.h"

using namespace std;

int fact(int n) {

if (n == 1) {

return 1;

}

return n \* fact(n - 1);

}

int facti(int n) {

int f = 1;

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

f = f \* i;

}

return f;

}

int main()

{

int n = 5;

cout << fact(n) << endl;

cout << facti(n) << endl;

system("pause");

return 0;

}