//The Fibonacci Sequence is the series of numbers:

//0, 1, 1, 2, 3, 5, 8, 13, 21, 34, ...

//The next number is found by adding up the two numbers before it.

//The 2 is found by adding the two numbers before it (1+1)

//Similarly, the 3 is found by adding the two numbers before it (1+2),

//And the 5 is (2+3),

//and so on!

#include <iostream>

using namespace std;

int factorial(int n)

{ int ans;

if (n>1)

{

ans=n\*factorial(n-1); //formula of factorial

return ans;

}

else

{

return 1;

}

}

int main()

{

int n;

cout<<"Enter a number to find factorial: ";

cin>>n;

cout<<"Factorial of "<<n<<" = "<<factorial(n);

getchar();

getchar();

return 0;

}