#include <iostream>

using namespace std;

===================================================//function declaration // (prototype)

**unsigned long factfunc(unsigned long);**

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int main()

{

int n; //number entered by user

unsigned long fact; //factorial

cout << “Enter an integer: “;

cin >> n;

fact = factfunc(n);

cout << “Factorial of “ << n << “ is “ << fact << endl;

return 0;

}

=======================================================

// function definition

**// factfunc() // calls itself to calculate factorials**

**unsigned long factfunc(unsigned long n)**

{

if(n > 1)

return n \* factfunc(n-1); //self call

else

return 1;

}