#include <iostream>

using namespace std;

// Recursive function to calculate factorial

int factorial(int n) {

if (n == 0 || n == 1) // Base case

return 1;

else

return n \* factorial(n - 1); // Recursive call

}

int main() {

int n;

cout << "Enter a number: ";

cin >> n;

if (n < 0) {

cout << "Factorial is not defined for negative numbers." << endl;

} else {

cout << "Factorial of " << n << " is: " << factorial(n) << endl;

}

return 0;

}