#include <stdio.h>

// Function to calculate factorial using recursion

long long factorial(int n) {

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

return 1;

else

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

}

int main() {

int num;

printf("Enter a number: ");

scanf("%d", &num);

if (num < 0) {

printf("Factorial of a negative number doesn't exist.\n");

} else {

printf("Factorial of %d = %lld\n", num, factorial(num));

}

return 0;

}