#include <stdio.h>

int main() {

int num;

unsigned long long factorial = 1;

// Input from user

printf("Enter a positive integer: ");

scanf("%d", &num);

// Check for valid input

if (num < 0) {

printf("Factorial is not defined for negative numbers.\n");

} else {

// Calculate factorial iteratively

for (int i = 1; i <= num; ++i) {

factorial \*= i;

}

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

}

return 0;

}