import java.util.Scanner;

public class Factorial {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter a non-negative integer: ");

int number = scanner.nextInt();

long factorial = 1;

if (number < 0) {

System.out.println("Factorial is not defined for negative numbers.");

} else {

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

factorial \*= i;

}

System.out.println("Factorial of " + number + " is: " + factorial);

}

}

}