**Java BigInteger**

**Tested on: uva 623 - 500!**

import java.math.BigInteger;

import java.util.Scanner;

public class Main

{

public static void main(String[] args)

{

Scanner sc = new Scanner(System.in);

int n;

while(sc.hasNext())

{

n=sc.nextInt();

BigInteger B = BigInteger.valueOf(1);

for(int i=n; i>1; i--)

B=B.multiply(BigInteger.valueOf(i));

System.out.println(n+"!");

System.out.println(B);

}

}

}