import java.io.\*;

class Factorial

{

int result;

int fact(int n)

{

if(n<1)

result=1;

else

result=(n\*fact(n-1));

return result;

}

}

class FactorialDemo

{

public static void main(String args[])throws IOException

{

Factorial obj=new Factorial();

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

System.out.println("Enter a Number:");

String str=br.readLine();

int no=Integer.parseInt(str);

int f=obj.fact(no);

System.out.println("Factorial of "+no+ " is :" +f);

}

}

