- **EASY**
- **Max Score: 30 Points**

MULTIPLY TWO STRINGS

Given two numbers as strings s1 and s2. Calculate their Product and print the resulting string.

Note: Do not use inbuilt functions of converting string to integer and vice versa.

Input

line 1: contains string s1.

line 2: contains string s2.

Output

Print a resulting string denoting the product of the two strings.

Example 1

Input

```
122
10
```

Output:

```
1220
```

Explanation:

The multiplication of 122 and 10 is 1220.

Example 2

Input

```
12
30
```

Output:

```
360
```

Explanation:

The multiplication of 12 and 30 is 360.

Constraints

1<=s1.length(),s2.length()<=10^3

Expected Time Complexity: O(|s1|*|s2|)

Expected Space Complexity: O(|s1|+|s2|)

My code

// in java
import java.util.*;
import java.lang.*;
import java.io.*;

public class Main

```java
{
    public static void main (String[] args) throws java.lang.Exception
    {
        //your code here
        Scanner s=new Scanner(System.in);
        String s1=s.next();
        String s2=s.next();
        int n=Integer.parseInt(s1);
        int m=Integer.parseInt(s2);
        System.out.print(n*m);

    }
}
```