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

Length Of Last Word

Given a string s consisting of upper/lower-case alphabets and empty space characters ' ', return the length of last word in the string.

If the last word does not exist, print 0.

Note: A word is defined as a character sequence consists of non-space characters only.

Example:

Given s = "Hello World",

print 5 as length("World") = 5.

Please make sure you try to solve this problem without using library functions. Make sure you only traverse the string once.

Input Format

The first line given is a string s.

Output Format

Print a single integer denoting the length of the last word.

Example 1

Input

Hello World

Output

5

Explanation

The last word is 'World' with length 5.

Example 2

Input

God is great.

Output

6

Explanation

The last word is 'great.' with length 6.

Constraints

0<=Length of string <=10^8

My code

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

```java
public class Main
{
        public static void main (String[] args) throws java.lang.Exception
        {
                //your code here
        Scanner s=new Scanner(System.in);
        String str =s.nextLine();
        int c=0;
        for(int i=0;i<str.length();i++)
          {
            c++;
            if(str.charAt(i)==' ') c=0;
          }
        System.out.print(c);
          }
}
```