Program 71.Length of Last Word

Given a string s consisting of words and spaces, return *the length of the last word in the string.*

A word is a maximal substring consisting of non-space characters only.

Example 1:

Input: s = "Hello World"

Output: 5

Explanation: The last word is "World" with length 5.

Program:
```python
def lengthOfLastWord(s):
    # Remove any trailing spaces
    s = s.rstrip()

    # Split the string by spaces
    words = s.split(' ')

    # The last word is the last element in the list
    last_word = words[-1]

    # Return the length of the last word
    return len(last_word)

# Example usage:
s = "Hello World"
print(lengthOfLastWord(s))  # Output: 5
```

Output:

```
"C:\Program Files\Python312\python.exe" "C:\Work Space\DAA\DAA COADS.PYTHON\program 71.py"
5


Process finished with exit code 0
```

Time complexity:
O(n)