

(58) → length of last word - #string

① → Question -

Given a string s consisting of some words separated by some number of spaces, return the length of last word in string.

② → Example -

$s =$ "Hello World"

→ 5

$s =$ "fly me to the moon"

→ 4

$s =$ "luffy is still joyboy"

→ 6

③ → Intuition - ✓

$s =$ "fly me to the moon"

1. Consume trailing spaces
2. Start counting the no. of characters.

④ → Solution -

$s =$ "fly me to the moon"

↑ ↑ ↑ ↑ ↑ ↑ ↑
right right right right right right right

size = 0 / 1 / 2 / 3 / 4

~ moon ~ ~ ~ ~ ~
right = 0 (-1)

⑤ → Time / Space Complexity -

$T = O(n)$

$S = O(1)$

⑥ → Code Walkthrough -

int lengthOfLastWord (String s) {

int right = s.length() - 1;

① Count trailing spaces while (right >= 0 && s.charAt(right) == ' ')

right--;

right = -1 (or)

}

right

int size = 0;

while (right >= 0 && s.charAt(right) != ' ')

right--, size++;

are h

right--;

size++;

}

return size;

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