One Liner Exercises

1. is Palindrome

**All solutions should be 1 line**

**is Palindrome**

Write a function that checks if the input is a palindrome.

"dood" => True

"dodo" => False

1. Duplicate

Write a function that duplicates a list:

[1,2,3] => [1,2,3,1,2,3]

1. Change Space

Write a function that changes all the spaces of a string to a "@"

"You got it" => "You@got@it"

1. Number of spaces

Write a function that returns the number of spaces in a text

"my name is what" => 3

1. Number of all spaces

Write a function that returns the number of all spaces, new lines and tab in a text

"Here is

a new line" => 4

1. Largest Lexicographically

Write a function that returns the largest word lexicographically, ignore "."

"Imagination is .more important than knowledge." => than

1. Longest Word

Mark as done

Write a function that returns the length of the longest word.

Ignore "."

"If you can't explain it simply you don't understand it well enough." => 10

1. Reverse Sentence

Mark as done

Reverse a string

"hello world" --> "dlrow olleh"

1. Reverse Word Order

Mark as done

Reverse the word order in a sentence

"hello dear world" => "world dear hello"

1. Reverse Words in a Sentence

Reverse every word in a sentence. Do not change the order of the words.

"hello world" => "olleh dlrow"

1. Swap Two Variables

Swap Two Variables

1, 2 => 2, 1

1. Sum Even Items

Sum over every second list item

[1, 2, 1, 3, 1] => 5

### One Liners Extensions

## Factorial

## Mark as done

Calculate the Factorial Function (n!)

(you are not allowed to use a built-in factorial function)

6 => 720

## Fibonacci

## Mark as done

Find the nth Fibonacci Number

6 => 8