

## String Assignments

Note: All assignments should be separated in an external javascript file  
All functions should be separated in a functions.js javascript file

Don't use split() or any array methods

### Level 1 – Basic String Manipulation

#### 1-Length Finder

Ask the user to enter a word and print how many characters it has.

#### 2-Uppercase Converter

Take a string and convert it fully to uppercase using .toUpperCase().

#### 3-Lowercase Converter

Convert a given string to lowercase using .toLowerCase().

#### 4-Character Extractor

Input a word and print the first, middle, and last characters using .charAt() or indexing [].

#### 5-Concatenation Practice

Ask the user for first and last names and print a full greeting like:

"Hello, John Doe!"

#### 6-Removing part of a string

Ask the user for full name then remove last 5 characters using substring()

### Level 2 – Searching and Replacing

#### 1-Find a Word

Given a sentence and a word, check if that word exists in the sentence using .includes() or .indexOf().

#### 2-Replace a Word

Replace a specific word in a sentence using .replace() or .replaceAll().

#### 3-Count Occurrences (no arrays)

Write code that counts how many times a specific letter appears in a string

(use a loop and a counter, not .split()).

**4-Starts or Ends With**

Check if a string starts or ends with a certain substring using `.startsWith()` and `.endsWith()`.

**5-Remove Spaces**

Remove all spaces from a sentence using `.replaceAll()`

**Level 3 – Substrings and Formatting (don't use arrays)****1-Extract Domain from Email**

Input: "user@example.com" → Output: "example.com"

**2-Initials Generator**

Input: "John Smith" → Output: "J.S."

(Without splitting into an array)

**3-Reverse String (without arrays)**

Use a loop to build a reversed version of the string.

**4-Palindrome Checker**

Check if a string reads the same forward and backward (e.g. "level").

**5-Count Vowels**

Count how many vowels (a, e, i, o, u) are in the string.

**Level 4 – Challenges****1- Title Case (no arrays)**

Convert "hello world" → "Hello World" using only substring and index logic (no `.split()`).

**2-Masking Part of a String**

For example, mask a phone number: "01065082666" → "\*\*\*\*\*2666".

**4-Longest Word (without arrays)**

Find the longest word in a sentence without using `.split()` (use loops and spaces detection).

**Remove Repeated Characters**

Input: "aabbc" → Output: "abc" (use string concatenation and condition checks).