

# Lab: Text Processing

Problems for exercise and homework for the ["JS Fundamentals" Course @ SoftUni](https://softuni.org/).  
Submit your solutions in the SoftUni judge system at: <https://judge.softuni.bg/Contests/1705>

## 1. Print Characters

Write a function that **receives a string** and **prints all the characters** on separate lines.

### Input / Output

Input	Output
'AWord'	A W o r d

### Hints

Loop through the string and print each character.

```
1 function solve(string) {  
2     for (let ch of string) {  
3         console.log(ch);  
4     }  
5 }
```

## 2. Substring

Write a function that **receives a string** and **two numbers**. The numbers will be a **starting index** and **count** of elements to substring. Print the result.

### Input / Output

Input	Output
"ASentence", 1, 8	Sentence

### Hints

Create a new string that takes the needed amount of elements from the given string.

```
function solve (string, startIndex, count) {  
    let result;  
    //TODO: substring  
    console.log(result)  
}
```

### 3. Censored Words

Write a function that **receives a text** as a first parameter and a **single word** as a second. Find **all occurrences** of that word in the text and replace them with the corresponding count of '\*'.  
Example: "A small sentence with some words", "small" → "A \*\*\*\*\* sentence with some words"

#### Input / Output

Input	Output
"A small sentence with some words", "small"	A ***** sentence with some words

#### Hints

Save the new text in a new variable.

```
1 function solve(text, word) {  
2     let censored = text.replace(word, repeat(word));  
3     while (censored.includes(word))  
4         censored = censored.replace(word, repeat(word));  
5     //TODO: create the repeat function  
6 }
```

The **repeat()** function should take the length of the word and return that amount of stars '\*'.  
Example: repeat(6) → "\*\*\*\*\*"

### 4. Count String Occurrences

Write a function that **receives a text** and a **string that you need to search**. Print all the occurrences of that word in the string.

#### Input / Output

Input	Output
"This is a word and it also is a sentence", "is"	2

#### Hints

Split the sentence into words and create a **counter** that stores how many times the searched word occurs.

```
1 function solve(string, searchedWord) {  
2     let words = string.split(' ');  
3     let counter = 0;  
4     for (let word of words) {  
5         //TODO: check if the word is equal to the searched one  
6     }  
7     console.log(counter);  
8 }
```