Lab: Text Processing

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. Remove Occurrences

Write a function that receives a **text** and a **word** to remove **all occurrences** of it inside the text.

Input / Output

Input	Output
ice kicegiciceeb	kgb

Hints

Replace the occurrence of the word inside a **while loop** and use **replace().**

```
function solve(word, text) {
  let old;
  while (old !== text) {
    old = text;
    // TODO: Use replace() and assign it to the text
  }
  console.log(text);
}
```

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3. 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
"ASentance", 1, 8	Sentance

Hints

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

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

4. 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 '*'.

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.

```javascript
function solve(text, word) {
    let censored = text.replace(word, repeat(word));
    while (censored.includes(word))
        censored = censored.replace(word, repeat(word));
    //TODO: create the repeat function
}
```

The **repeat()** function should take the length of the word and return that amount of stars '*'.

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5. 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  }
```

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