Lab: Text Processing

Problems for exercise and homework for the "JS Fundamentals" Course @ SoftUni. Submit your solutions in the SoftUni judge system at: https://judge.softuni.org/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'	Α
	W
	0
	r
	d
'Sentence'	S e
	е
	n
	t
	е
	n
	С
	е

Hints

Loop through the string and print each character.

```
function solve(string) {
 for (let ch of string) {
     console.log(ch);
```

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
'SkipWord', 4, 7	Word

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 '*'.

Input / Output

Input	Output
'A small sentence with some words', 'small'	A **** sentence with some words
'Find the hidden word', 'hidden'	Find the ***** word

Hints

Save the new text in a new variable.

```
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 '*'.

4. Count String Occurrences

Write a function that receives a text and a single word that you need to search. Print the number of all occurrences of this word in the text.

Input / Output

Input	Output
'This is a word and it also is a sentence', 'is'	2
'softuni is great place for learning new programming languages', 'softuni'	1

Hints

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













```
function solve(string, searchedWord) {
let words = string.plit(' ');
let counter = 0;
for (let word of words) {
    //TODO: check if the word is equal to the searched one
console.log(counter);
```











