37. For loop in different containers.

filename: loop_array.js

Exercise:

In this exercise, you will use a loop to iterate through an array.
   a) Print all the items in the array.

```
const courses = ["Blockchain & Bitcoin 101", "Ethereum 101",
"JavaScript for Blockchain Developers", "12-Week Bootcamp", "Bitcoin
Programming 101"];
```

Solution:

```
for (value in courses) {
    console.log(courses[value]);
}
```

38. Some counting features.

filename: counting.js

Exercise:

This assignment has three sub-assignments that are independent of each other. In each of the subtasks, you must write a function.

   a) Write a function that returns the number of digits in a number. For example, there are 3 digits in the number 104.

   b) Write a function that gives how many of a certain letter there are in a word. For example, there are 3 occurrences of the letter "a" in the word "cake spatula".

   c) Write a function that takes one string and one number, and that returns True or False based on whether the length of the string is bigger than the number.

Solution:

a)

```javascript
function digits(num) {
    return num.toString().length;
}
// Without the .Length method:
function digits1(num) {
    let counter = 0;
    for (digit in num.toString()) {
        counter++;
    }
    return counter;
}
```

b)

```javascript
function sumInWord(letter, word) {
    let counter = 0;
    for (value in word) {
        if (word[value] === letter) {
            counter++;
        }
    }
    return counter;
}
```

c)

```javascript
function longerThanNumber(string, number) {
            let answer = (string.length > number);
            return answer;
}
```