

# Front end development: loops

## JavaScript – forEach & map

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The following exercise contains the following subjects:

- ◆ map
- ◆ forEach

### Instructions

Answer the questions below:

1. Write a function called `doubleValues` which accepts an array and returns a new array with all the values in the array passed to the function doubled.
2. Write a function called `onlyEvenValues` which accepts an array and returns a new array with only the even values in the array passed to the function.
3. Write a function called `addKeyAndValue` which accepts an array of objects, a key and a value as arguments. The function should return the array passed to the function with the new key and value added to each object.
4. Write a function `shiftLetters` that takes a string and uses `.map` to return an encoded string with each letter shifted down the alphabet by one.

**Extra:**

The goal of this function is to convert a string to a new string where each character in the new string is a "(" if that character appears only once in the original string.

If that character appears more than once that new string will be a ")".

Ignore capitalization when determining if a character is a duplicate.

### Examples:

"din" => "(((("

"recede" => "()()())"

Success" => ")()())"

"(( @" => "))(("

Submit the file to Hive.