

# Front-end development: Loops

## JavaScript – forEach & map

The following exercise contains the following subjects:

- map
- forEach

### Instructions

Answer the questions below and use the map or the forEach method :

1. Write a function called doubleValues which accepts an array of integers 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 showFirstAndLast which accepts an array as an argument and returns a new array with only the first and last elements from the function's argument array. The returned array should only contain elements that are strings.
4. Write a function called vowelCount which accepts a string as an argument. The function should return an object

which has the count of the number of vowels that are in the string. The key should be the vowel and the value should be the count. e.g. {a:3, o:2,u:4}. Should not be case-sensitive.

5. Write a function `capitalize` that takes a string as an argument and will return the whole string capitalized.
6. Write a function called `shiftLetters` that takes a string as an argument and return's an encoded string with each letter shifted down the alphabet by one.
7. Create a function called `swapCase` that takes a string as an argument and returns a string that every other word is capitalized. (you can use the fifth's exercise's function to keep it dry)