

JavaScript For Web

Week 3, Tutorial 2

Resources for final project

- [HTML5 UP: Free HTML website template](#)
- [Unsplash: Free images resources](#)

Assignment 2, Exercise 2

Create a file named `exercise1.js` and do the followings:

- Create an array `fruits` with the following element: `"apple", "orange", "banana", "mango"` (All lowercase letters)
- Capitalize all string elements in `fruits` using a loop, you can use the `capitalize` function we created in assignment 1.
- Calculate the total number of characters in `fruits` and print the result on console.

The console output should be:

```
Original fruit list: apple,orange,banana,mango  
Capitalized fruit list: Apple,Orange,Banana,Mango  
There are 22 characters used in the fruit list.
```

You will create `assignment2.zip` including `exercise2.js` and submit to Canvas.

Don't go to the next page if you're working on this exercise.

Assignment 2, Exercise 2: Sample Solution

```
let totalNumChars = 0
const fruits = ["apple", "orange", "banana", "mango"]
const capitalize = (str) => str.slice(0, 1).toUpperCase() + str.slice(1).toLowerCase()

console.log(`Original fruit list: ${fruits.toString()}`)

for(let i = 0; i < fruits.length; i++) {
  //capitalize every string element in fruits
  fruits[i] = capitalize(fruits[i])

  //calculate the total number of characters used
  totalNumChars += fruits[i].length
}

console.log(`Capitalized fruit list: ${fruits.toString()}`)
console.log(`There are ${totalNumChars} characters used in the fruit list.`)
```