

# JavaScript For Web

Week 3, Tutorial 1: Assignment 2, Exercise 1

## Assignment 2, Exercise 1

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

1. Create an array named `users` with the following **string** elements `"John"`, `"William"`, `'David'`, `"Jenny"`, `"Hannah"`.
2. Print out `users` on the console as a string like this: `"User list: John,William..."`
3. Print out the following sentence on the console `"There are [total number of users] users on the list."`.
4. Swap the position of `"John"` and `"Hannah"`
5. Print out `users` on the console as a string.
6. Print out the following sentence on the console `"There are [total number of users] users on the list."`.
7. Add a new user `"Finn"` to the end of the list.
8. Print out `users` on the console as a string.
9. Print out the following sentence on the console `"There are [total number of users] users on the list."`.

The console output should be:

```
User list: John,William,David,Jenny,Hannah
There are 5 users on the list
User list: Hannah,William,David,Jenny,John
There are 5 users on the list
User list: Hannah,William,David,Jenny,John,Finn
There are 6 users on the list
```

You will create `assignment2.zip` including `exercise1.js` and submit to Canvas.

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

## Assignment 2, Exercise 1 Sample Solution

```
const showUserInfo = (arr) => {  
  console.log(`User list: ${arr.toString()}`)  
  console.log(`There are ${arr.length} users on the list`)  
}  
  
const users = ["John", "William", "David", "Jenny", "Hannah"]  
  
showUserInfo(users)  
  
let temp = users[0]  
users[0] = users[users.length - 1]  
users[users.length - 1] = temp  
  
showUserInfo(users)  
  
users.push("Finn")  
  
showUserInfo(users)
```