March 21, 2019 - Noon Exercise

Update your requests in [$Request for Session](#).

Things to study for this week, working with arrays.
Next: DOM, Objects

Do the same assignment as yesterday using the two forms of for:

```javascript
console.log('-----emailForOf')
const emailForOf = loopWithForOf(data.staff);
// console.log(emailForOf);
assertEquals('Jane.Smith@evolveu.ca', emailForOf[0]);
assertEquals('Olivia.Notly@evolveu.com', emailForOf[3]);
assertEquals('Benjamin.Amis@evolveu.ca', emailForOf[6]);

console.log('-----emailForIn')
const emailForIn = loopWithForIn(data.staff);
// console.log(emailForIn);
assertEquals('Jane.Smith@evolveu.ca', emailForIn[0]);
assertEquals('Olivia.Notly@evolveu.com', emailForIn[3]);
assertEquals('Benjamin.Amis@evolveu.ca', emailForIn[6]);
```

loopStaff - March 18, 2019

This exercise will use two functions you have written in previous exercises: makeEmailObj and assertEquals.

Write a function that will take an array and return an array of emails. The new function you are writing today will call makeEmailObj that you written in a previous exercise.

Copy and paste the code provided. Only put code in-between the two comment lines.

```javascript
const data = {
      staff: [
            {fname:"Jane", lname:"Smith", balance:10},
            {fname:"Liam", lname:"Henry", balance:1000},
            {fname:"Emma", lname:"Jones", balance:1330},
            {fname:"Olivia", lname:"Notly", balance:310},
            {fname:"Noah", lname:"Ho", balance:503},
            {fname:"William", lname:"Lee", balance:520},
            {fname:"Benjamin", lname:"Amis", balance:150},
      ],
      company: "EvolveU",
      city: "Calgary",
      prov: "Alberta"
};

// Write the function after this comment ---

// and before this comment ---

console.log('-----loopStaff')
const staffEmail = loopStaff(data.staff);
// console.log(staffEmail);
assertEquals('Jane.Smith@evolveu.ca', staffEmail[0]);
assertEquals('Olivia.Notly@evolveu.com', staffEmail[3]);
assertEquals('Benjamin.Amis@evolveu.ca', staffEmail[6]);
```

makeEmailObj - March 14, 2019

Update your requests in .

Things to study for the next few days. Working with arrays:
- Basics
  - for
  - while
  - do while
- Next Level
  - for in
  - for of
  - forEach
- https://medium.com/poka-techblog/simplify-your-javascript-use-map-reduce-and-filter-bd02c593cc2d
  - map
  - reduce
  - filter

Exercise

Write a function that will receive an object / map. Create an evolveu email from the object.

Copy and paste the code provided. Only put code in-between the two comment lines.

```
/*
     Write the function to format an email based on an object / map
*/

// Write the function after this comment ---

// and before this comment ---

const objLarry = {fname:'larry', lname:'shumlich'};
assertEquals('larry.shumlich@evolveu.ca', makeEmailObj(objLarry));
assertEquals('bill.smith@evolveu.ca', makeEmailObj({fname:'bill',lname:'smith'}));
assertEquals('amy.jones@evolveu.ca', makeEmailObj({fname:'amy',lname:'jones'}));
```

makeEmailArr - March 13, 2019

This exercise will build on our last exercise. We want to use the 'assertEquals' function that we wrote last time. We want to share code we wrote between exercises. What are the options for sharing? Pick one sharing option for this exercise and we will talk about it as a group.

Make one update to the 'assertEquals' function. If the two parameters are equal log 'ok ->' followed by only the first parameter.

Write a function that will receive an array. The first entree in the array is the first name, the second entree is the last name. The array only has one person in it. Create an evolveu email from the array.

Copy and paste the code provided. Only put code in-between the two comment lines.

```
/*
      Write the function to format an email based on an array
*/


// Write the function after this comment ---


// and before this comment ---


const arrayLarry = ['larry', 'shumlich'];
assertEquals('larry.shumlich@evolveu.ca', makeEmailArr(arrayLarry));
assertEquals('bill.smith@evolveu.com', makeEmailArr(['bill','smith']));
assertEquals('amy.jones@evolveu.ca', makeEmailArr(['amy','jones']));
```

AssertEquals - March 11, 2013

Write a function that will receive two parameters. The function will compare the parameters and do the following:

- if the two parameters are equal, log nothing and return true
- if the two parameters are not equal, log to the console the following and return false:

" *** the two values are not the same" and also log the two parameters as follows:
        "p1-->" parameter 1
        "p2-->" parameter 2

Copy and paste the code provided. Only put code in-between the two comment lines.

```
/*
      Write the function that will create this output:

*** the two values are not the same:
    p1--> a
    p2--> b
*** the two values are not the same:
    p1--> 1
    p2--> 2
*** the two values are not the same:
    p1--> 2
    p2--> 2
*/

// Write the function after this comment ---

// and before this comment ---

assertEquals("a","b");
assertEquals("a","a");
assertEquals(1,2);
assertEquals(2,2);
assertEquals("2",2);
assertEquals("This value","This value");
```