Exercise

# 1. summary salaries

We have an object storing salaries of our team

Let salaries = {

John: 100,

Ann: 160,

Pete: 130

}

Write the code to sum all salaries and store in the variable sum. Should be 390 in the example above.

let salaries = {

    John: 100,

    Ann: 160,

    Pete: 130

}

let summary = 0;

summary = salaries.John + salaries.Ann + salaries.Pete;

console.log(summary);

# 2. double the menu

Create a function multiplyNumeric(obj) that multiplies all numeric properties of obj by 2

// before the call

Let menu = {

width: 200,

height: 300,

title: "My menu"

};

multiplyNumeric(menu);

// after the call

menu = {

width: 400,

height: 600,

title: "My menu"

};

Please note that multiply Numeric does not need to return anything. It should modify the object in-place.

let menu = {

    width: 200,

    height: 300,

    title: "My menu"

};

function multiplyNumeric(menu)

{

    menu.width = 2 \* menu.width;

    menu.height = 2 \* menu.height;

}

multiplyNumeric(menu);

console.log(menu);

# 3. check email

Write a function checkEmailId(str) that returns true if str contains '@' and ‘.’, otherwise false. Make sure '@' must come before '.' and there must be some characters between '@' and '.'The function must be case-insensitive:

# 4. truncate string

Create a function truncate(str, maxlength) that checks the length of the str and, if it exceeds maxlength–replaces the end of str with the ellipsis character "...", to make its length equal to maxlength.

The result of the function should be the truncated (if needed) string.

truncate("What I'd like to tell on this topic is:", 20) = "What I'd like to te..."

truncate("Hi everyone!", 20) = "Hi everyone!"

# 5. Array operations

Let’s try 5 array operations.

Create an array styles with items “James” and “Brennie”.

Append “Robert” to the end.

Replace the value in the middle by “Calvin”. Your code for finding the middle value should work for any arrays with odd length.

Remove the first value of the array and show it.

Prepend Rose and Regal to the array.

James, Brennie

James, Brennie, Robert

James, Calvin, Robert

Calvin, Robert

Rose, Regal, Calvin, Robert

console.log("problem 5");

let arr = ["James", "Brennie"];

console.log(arr);

arr.push("Robert");

console.log(arr);

//replace the middle with "Calvin"

function replaceMid(arr, replaceStr)

{

    let len = arr.length;

    if (len % 2 == 1)

    {

        arr[parseInt(len/2)] = replaceStr;

    }

    console.log(arr);

}

replaceMid(arr, "Calvin");

//Remove the first value of the array and show it.

arr.shift();

console.log(arr);

//Prepend Rose and Regal to the array.

arr.unshift("Regal");

arr.unshift("Rose");

console.log(arr);