Preparing for the exam

1. What does the following expression evaluate to: 23 +"3"
   26, "26", 233 or "233"?
2. How do you round the number 7.25, to the nearest integer?
3. How do you write an if statement that only alerts "Not 12" if x is NOT 12?
4. How do set the content of this element to *Hello World !*
   ```
   <div id="main"></div>
   ```
5. How do set the content of the first element to *New text*
   ```
   <p>replace this text</p>
   <p>leave this text alone</p>
   <p>leave this text alone</p>
   ```
6. How do you write a while-loop that logs the numbers 1,2,3,4 and 5 on separate rows in the console?
7. How do you loop through this array [1,2,3,4] and log each element in the array?
8. What is the value of Color after these statements?
   ```
   var Color = "blue";
   var color = "red";
   ```
9. Which line of code will remove the 'c' of the array x = ['a', 'b', 'c']
   ```
   x.unshift()
   x.shift()
   x.pop()
   x.push()
   ```
10. Pair the correct value and the correct type

"green"	number
42	boolean
false	object
[1,2,3]	string
{a:2, b:4}	array

11. What is the value of bar and baz after these statements
    ```
    var foo = 0;
    var bar = foo++;
    var baz = ++foo;
    ```

Alert if Skirt

Loop through this array `["shirt", "pants", "skirt", "jacket", "skirt"]` and `alert("found it")` if the current element in the array is "skirt". But only once!

Sort and return

Assume you have an array that looks like this:

```
var myNumber = [5,1,3,9,6,2];
```

Create a function that could return the lowest number for any array containing numbers between 0-9.

Hint: Array.sort() returns a new array where each item in the original array is sorted (as if they were strings) based on its Unicode number.

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Global_Objects/Array/sort

Sum if Num

Assume you have an array that looks like this:

```
var myArray = ["one", 2, 3, "four", 5, "six", "seven",8,9]
```

Create a function that returns the sum of all the numbers (should be 27 in this case)

Hint: typeof x

https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Operators/typeof

No more secrets

You just received a mysterious .js –file. It contains an object with two properties; a note and a list of instructions. Can you figure out what the note really means?

To understand the instructions, see this example:

```
var note = "I like +Schnitzel";
var instructions = {cue:"+", sequence:3};
```

The secret message would in this case be Sch, the three characters following the cue character + (I like +Schnitzel)

Finnish the function in secret.js so that it returns the secret message as a string.