Research Week 2- Melissa Derrick

1. What are the different loops JavaScript provides us with?

There are 7 different loops provided to us from JavaScript. The first loop is called a

while loop which generates a loop that gets executed over a certain block of code as long as the condition is true. There for everytime before executing the block of code, the condition is checked again. Next, is a do while loop, which is the block of code that gets executed at least once and if further the condition satisfies the code block will be executed accordingly. Next there is the for loop. While loop and the for loop work exactly the same, even the execution time isn’t mich different but using the while loop Increases readability and reduces the chance or error. Up next is the for each (),

a prototypal method of array. This loop calls a given function or callback every time with each element in an array according to the index order. For Each () does not run the given function for array elements having no values. Next is the map()- another prototypal method of array. The map () method creates a new array having the returned values generated by a function execution over a given array. Furthermore, there is the for…in loop which was developed to iterate over the properties of an object. For…in statement iterates over the enumerable properties of an object, for each distinct property, statements can be executed successfully. Lastly, there is the for…of loop. This loop is the most recent type of looping in JS. Using the for…of statement, you can iterate over any iterable object like an array, string, map, weakmap, set, weakest, arguments object, typed array and even general objects also known as pojo.

2. What is the syntax of one of the loops in your above answer? How and when should you use this loop? Give an example.

While Loop

Syntax- while (condition) {Block of code}. You would use this when you need a loop that gets executed over a particular block of code, as long as the condition is TRUE. Every time before executing the block of code, the condition will get checked.

Example:

Var i=9

While (i<10) {Console.log (I is less than 10”) }

Source

https://www.voidcanvas.com/all-type-of-loops-in-javascript-a-brief-explanation