This week I have been able to:

* Write functions that accept and use parameters.
* Return a value from a function to its call point.
* Call a function and pass arguments to that function.
* Declare an array.
* Create an array using the new keyword.
* Write code to access a single value within an array.
* Write a loop to process every element in an array.

I have learned that an array is a collection of variables where each variable has the same data type, for example, an array of student objects or an array of integers. Each variable in it is called an element and has a unique index, also called the subscript, which denotes that element’s location within the array.

All elements within an array can be declared, created, or passed to a function as a whole. However, each element may still be accessed individually by using the element’s index. In JavaScript, indexes are always non-negative integers with 0 as the first index. Arrays automatically have an attribute named length, which is the number of elements contained in that array.