Intro to JavaScript Week 3 Coding Assignment

**3.** How do you access the last element of any array?

There are three methods you can use to access the last element of any array. All of them require you to store the element in a variable to be able to re-use it.

* The first method is the .pop method. This method removes and returns the last element of the array. It’s syntax is array.pop();.
* The second method is the .length method. This method will return the size of the array and from it we can simply subtract one from it to make it read the values from right to left. It’s syntax is array.length(); but to obtain the last value with it, you must use array[array.length – 1];.
* The third method is the .splice method. This method takes the last element of the array and uses a negative index to read that number of values from right to left, similar to the .length method. It’s syntax is: array.splice(start, deletecount), but when used to obtain the last element, we write array.splice(-1, 1).

The .pop and .splice methods mutate the original array because they remove elements.

* Another method is the slice method. It’s method This method returns a new array containing the last element of the original array when written like this: array.slice(-1);

1. How do you access the first element of any array?

One way is to declare the array's 0 index element, which is the first element of any array.

Another way is to use the .shift method. The shift element removes and returns the first element of the array, causing the other elements to shift to a lower index. Finally, the .slice method can be used to access the first index by typing out array.slice(0, 1). Using the slice method will not mutate the array. You must store the element in an array to be able to re-use it.

**Screenshots of code:**

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**Screenshots of Running Application:**

**Graphical user interface, text, application, email

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**Graphical user interface, text, application, email

Description automatically generated**

**URL to GitHub Repository:**

**https://github.com/daniela0723/Week-3**