

Week 4 Research

1. In JavaScript var, let, and const are all used to declare variables, but their scope and behavior are different. Var can be in a function and still be accessed outside of that function. Var can also be re-declared and updated. Let is only able to be accessed in the block it is declared in. Lastly, const cannot be reassigned or redeclared. Generally, we should use const when using a variable that will not change, use let when the variable may change, and use var for its scoping behavior.
2. In JavaScript, a callback is a function that is passed as an argument to another function and is executed after the completion of the parent function. A promise is an object that represents a value that may not be available yet but will be in the future. Callbacks are executed immediately after the parent function completes while promises may not be resolved until some future point.

Source:

<https://www.freecodecamp.org/news/var-let-and-const-whats-the-difference/>