**Basic JavaScript**

JavaScript is a scripting language you can use to make web pages interactive. It is one of the core technologies of the web, along with HTML and CSS, and is supported by all modern browsers.

In this course, you'll learn fundamental programming concepts in JavaScript. You'll start with basic data structures like numbers and strings. Then you'll learn to work with arrays, objects, functions, loops, if/else statements, and more.

So the main thing is :

Let is used for not declaring a variable more than one or multiple.

let FAV\_PET = "Cats";

FAV\_PET = "Dogs";

console.log(FAV\_PET)

this will print:

Dogs

Const is used for not to assign variable again by mistake in any variable.

const FAV\_PET = "Cats";

FAV\_PET = "Dogs";

console.log(FAV\_PET)

give error.

You should always name variables you don't want to reassign using the const keyword. This helps when you accidentally attempt to reassign a variable that is meant to stay constant.

Upper and lower case:

**Note:** It is common for developers to use uppercase variable identifiers for immutable values and lowercase or camelCase for mutable values (objects and arrays). You will learn more about objects, arrays, and immutable and mutable values in later challenges. Also in later challenges, you will see examples of uppercase, lowercase, or camelCase variable identifiers.