Berklee Online OLMSC-150 Lesson 3 Terms and Definitions

- ===: A more strict version of the "==" comparator, where variable type is considered. The code "'' == false" is true, but "'' === false" is not. "!==" works the same.
- &&: Javascript's "and" operator
- ||: Javascript's "or" operator
- !: Javascript's "not" operator
- **Binary Executable**: A self-contained compiled program, often just called a "binary." The name comes from the fact that the source code has been compiled into data that isn't human-readable, but instead is binary number machine language code.
- **Falsey**: Values that are considered to be false when used in Boolean operations. In Javascript, they are: empty string, null, undefined, false, 0, and NaN.
- **Identifier**: A name for a variable or function. It must start with a letter or an underscore, then the rest can be composed of letters, underscores, and numbers.
- Let: Javascript command to declare a variable (var is also used in older code).
- Javascript "for" Loop Declaration:

Three parts:

- 1. The initialization block, to set up your variables
- 2. The condition block
- 3. The increment block
- **Parsing**: Process that a compiler or interpreter uses to read code, converting it into something easier for the computer to work with.
- Reserved Words: Special words, or tokens, that the language gives special meaning to, which therefore cannot be used as identifiers. "function" and "let" are two examples in Javascript.
- **Semantic Bug**: An intent error. Your program is legal from the computer's perspective, but it's not doing the right thing.
- **Stack Trace**: A debugging tool that browsers will provide when there's a Javascript error. Reports the chain of functions that led up to the error, and typically, the files that contain them.

- **Syntax Bug**: An error that keeps the computer from parsing, from understand your program correctly, if at all.
- **Truthy**: Values that are true when used in Boolean operations. In Javascript, anything that is not falsey is truthy.
- **Undefined**: The default value for variables in Javascript. It's falsey.
- **While**: Basic Javascript loop, taking a condition check and a block of code. "while (true) { ...}" is a basic infinite loop.