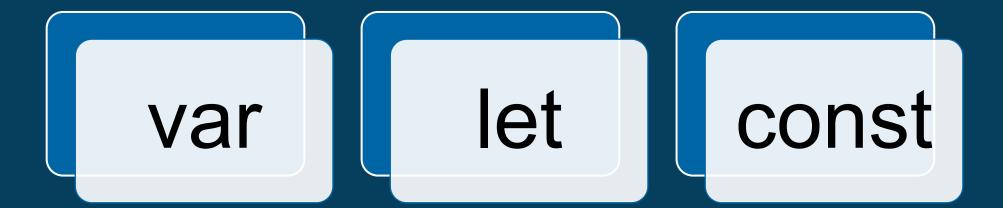# JavaScript

Variables & Data Structures

Variables & Hoisting

var

let

const

Arrays

Literals:

- [] (empty array)
- [a, b, c, d] (initialized array)

Operators:

- array[0] (array access notation)
- dot-method calls (Arrays are objects)

Arrays in JavaScript are just Lists

Objects

Literals:

- {} (empty object literal)
- { a: 10, b: 20 } (initialized object literal)
- Many other variations that we'll see later

Operators:

- obj["key"] (object access notation)
- obj.key (dot-call notation)

Objects are just Maps