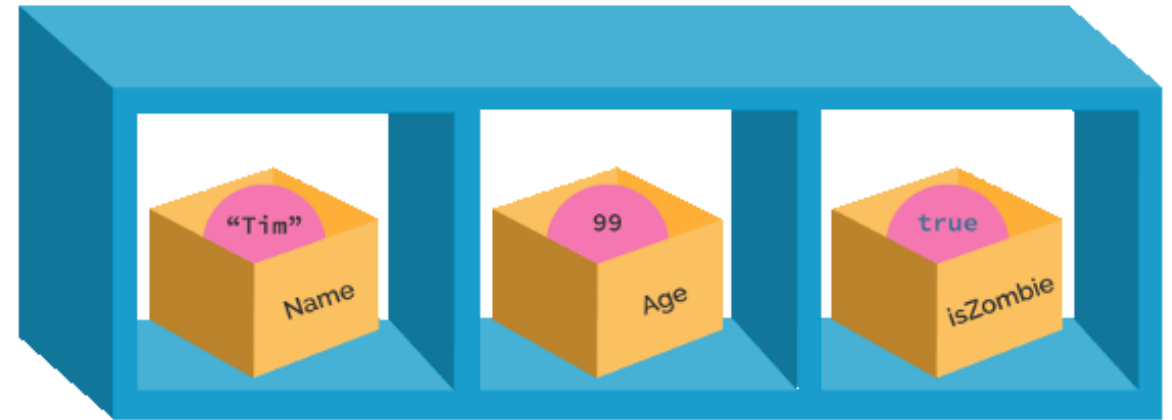


Summary

Variables

- Store and retrieve data from memory
- A variable has a **name** and a **value**
- Different **data types**



Data types (introduced so far)

- String `let name = 'Pablo';`
- Number `let score = 99;`
- Boolean `let hasPet = true;`
- undefined `let someVariable;`

Full list: https://developer.mozilla.org/en-US/docs/Web/JavaScript/Data_structures

Declaration and assignment

```
// declaring without assigning value  
// (value will be undefined)  
let myVar;  
  
// assigning a value  
myVar = 'yo!';  
  
// declaring AND assigning value  
let anotherVar = 'hey!';
```

Dynamic typing

Variables can change **data type**, but it's not recommended for code clarity.

```
// this variable is a number
let score = 100;

// NOT RECOMMENDED, BUT ALLOWED:
score = 'no longer a number';
```

Rules for naming variables

1. Can start with a letter or the underscore sign: _
2. Can contain letters, numbers or the underscore sign
3. Cannot be called like reserved keywords (e.g. can't create a variable named "let")