

JavaScript Basics

N

N



FRONT END

BACK END

THE
PURPLE CSS - adjectives
DINO HTML - nouns
DANCED JS - verbs



1

LEARN JS ON
ITS OWN. NO
HTML/CSS.

2

USE JS TO
MANIPULATE
HTML/CSS

Primitive Types

THE BASIC BUILDING BLOCKS

Number

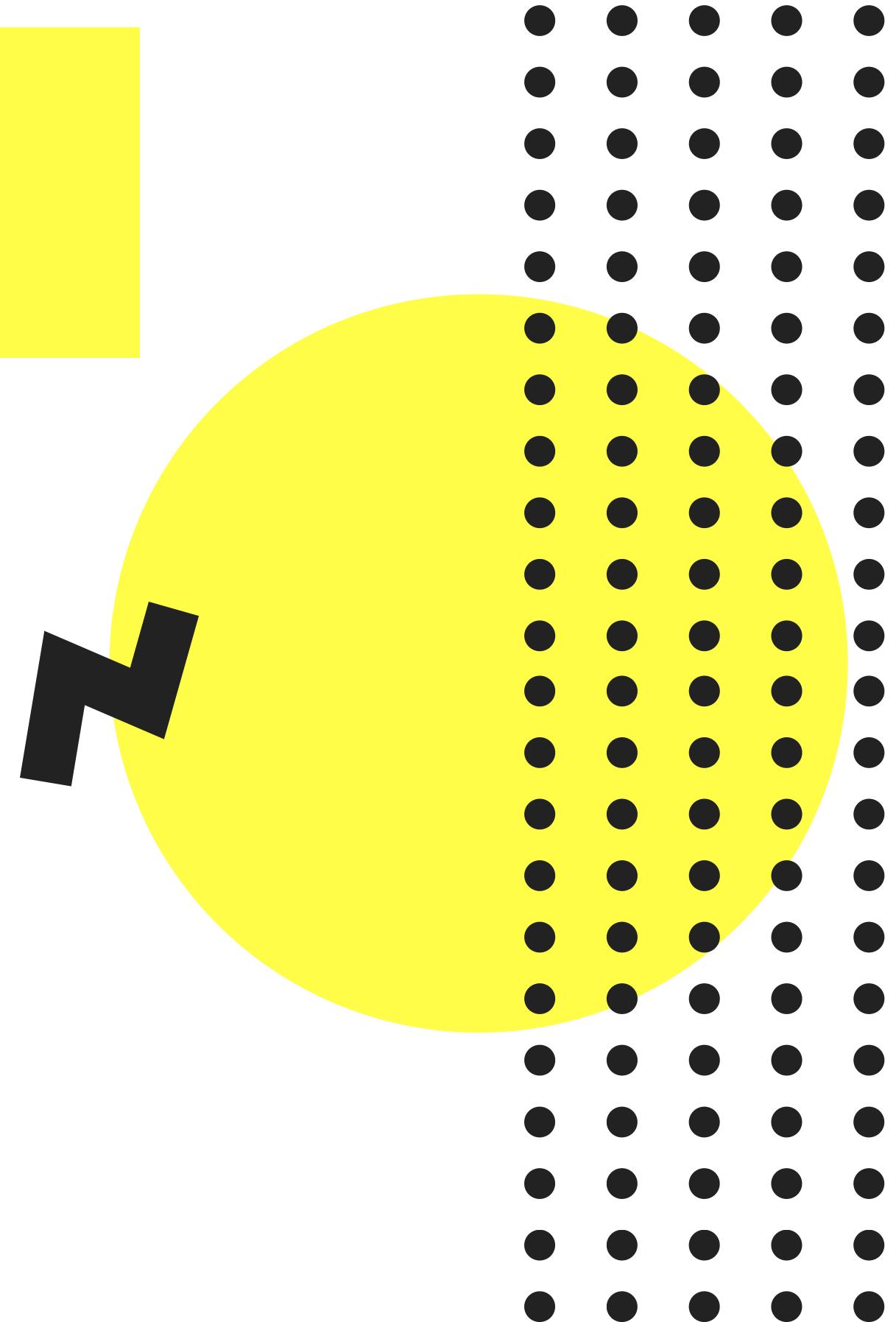
String

Boolean

Null

Undefined

* Technically there are two others: Symbol and BigInt



DIFFERENT DATA TYPES

Hall & Oates - When The Morning Comes

426,334 views • Apr 2, 2011

1.7K

88

SHARE

SAVE

...

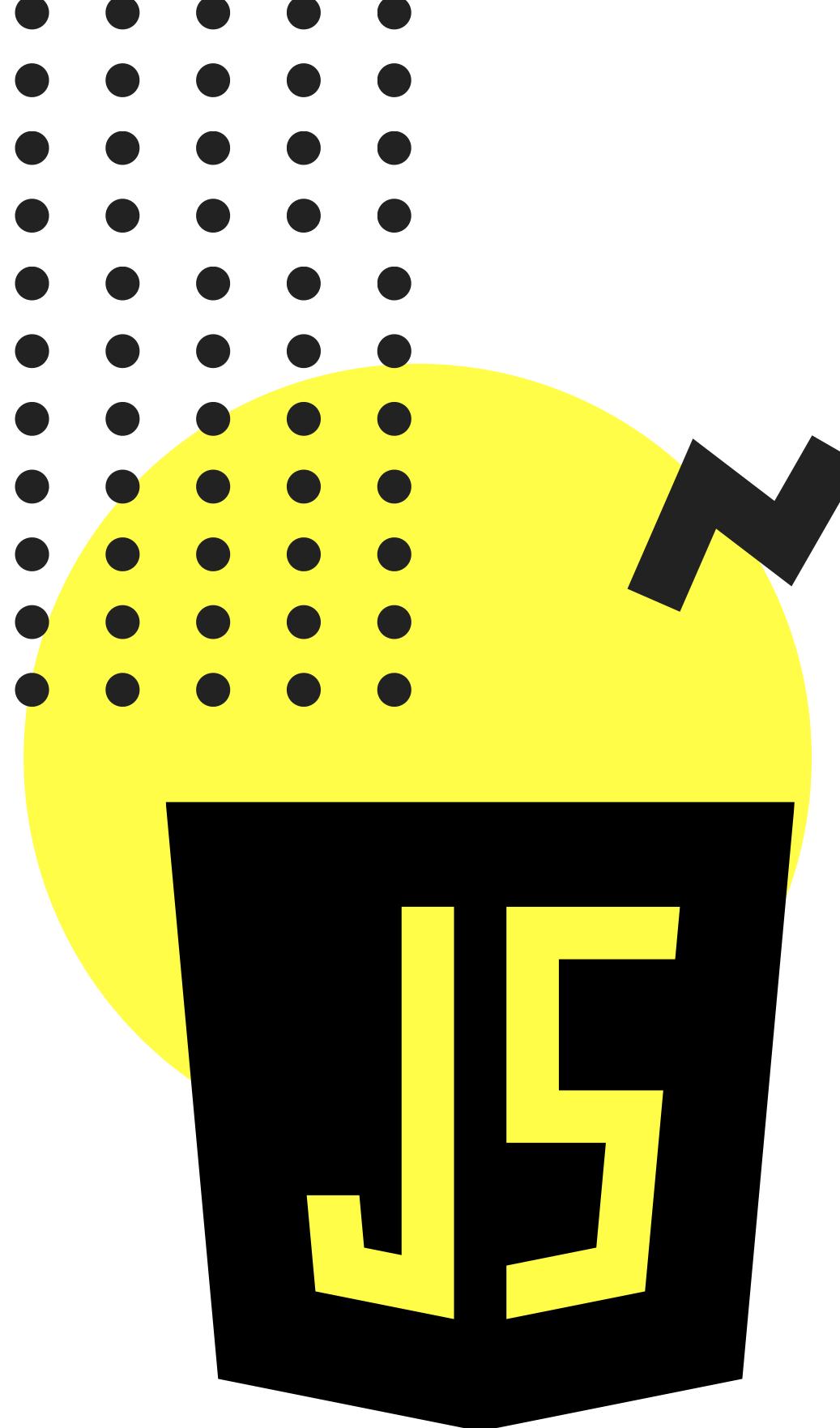


mickey castle
1.61K subscribers

SUBSCRIBE

Best Songs From 1970's Hall & Oates

SHOW MORE



JS Display Possibilities

JavaScript can "display" data in different ways:

- `console.log()`
- `document.write()`
- `window.alert()`
- `innerHTML`



Variables

VARIABLES ARE LIKE
LABELS FOR VALUES

- Variables are containers for storing data (storing data values).
- 4 Ways to Declare a JavaScript Variable:
 1. Using **var**
 2. Using **let**
 3. Using **const**
 4. Using nothing

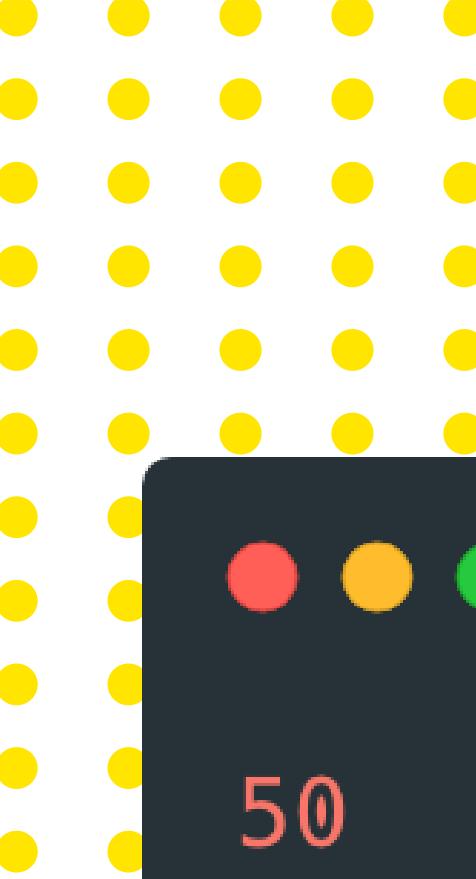
BASIC SYNTAX

```
let someName = value;
```

BASIC SYNTAX

```
let year = 1985;
```

Make me a variable called "year" and give it the value of 1985



50

7

3.874

0.99

-45

-777.23444

Numbers

IN JAVASCRIPT

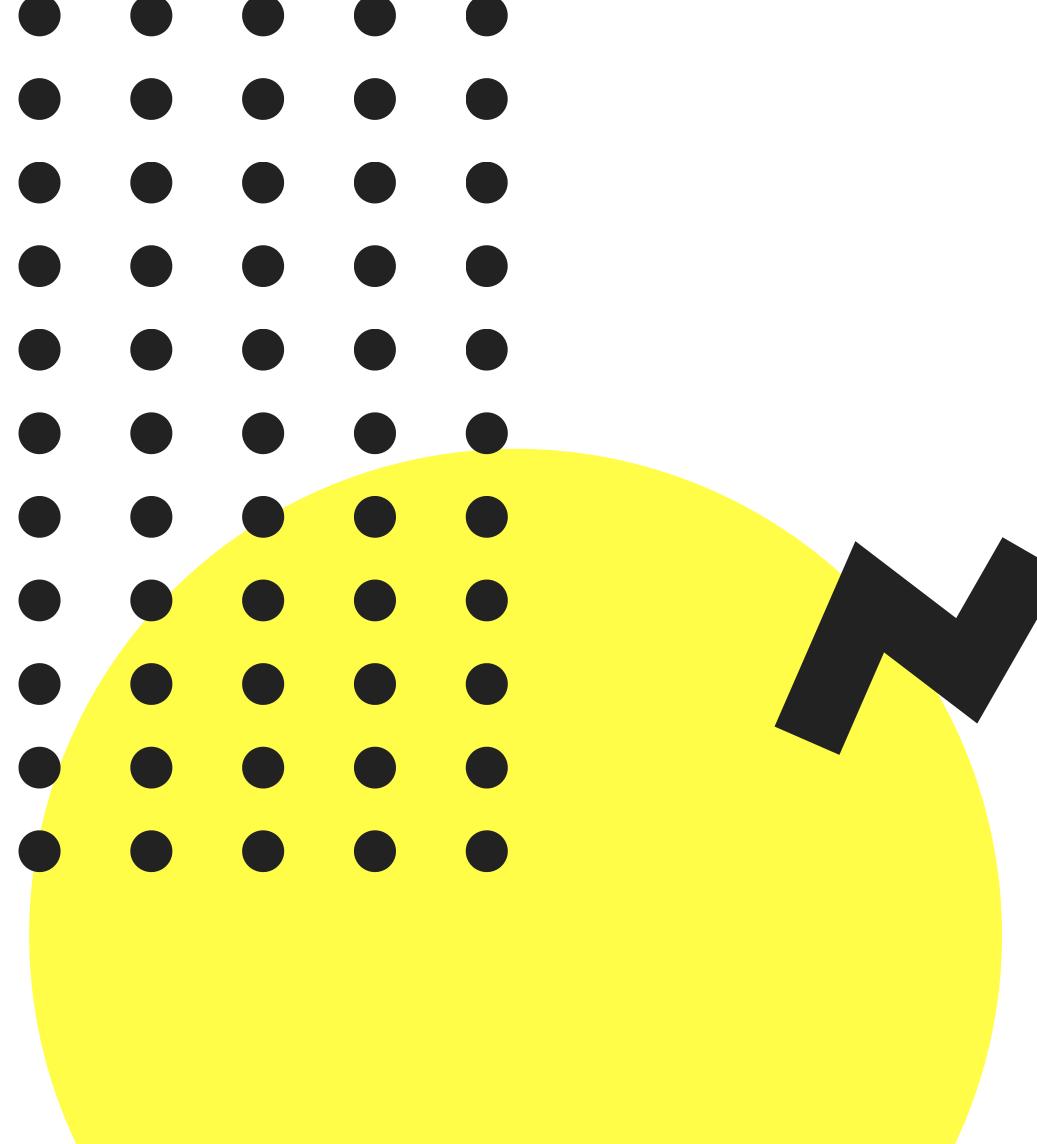
- JS has one number type
- Positive numbers
- Negatives numbers
- Whole numbers (integers)
- Decimal numbers

BOOLEANS

TRUE

or

FALSE



Booleans

TRUE OR FALSE



```
let isLoggedIn = true;  
let gameOver = false;  
const isWaterWet = true;
```

Booleans are very simple.
You have two possible options: true
or false. That's it!



Strings

"STRINGS OF CHARACTERS"

Strings are another primitive type in JavaScript. They represent text, and must be wrapped in quotes.

STRINGS



```
let firstName = "Ziggy";           Double quotes work
```

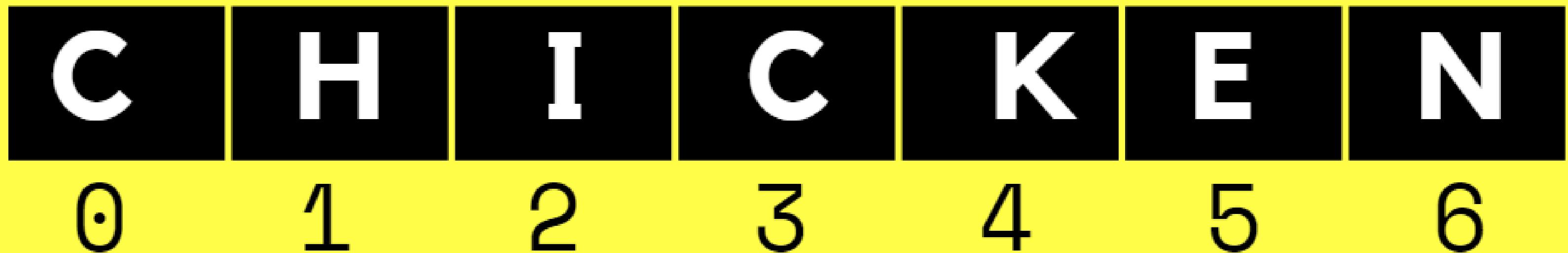
```
let msg = "Please do not feed the chimps!";
```

```
let animal = 'Dumbo Octopus';    So do single quotes
```

```
let bad = "this is wrong";       This DOES NOT work
```

It's fine to use either single or double quotes, just be consistent in your codebase.

STRINGS ARE INDEXED



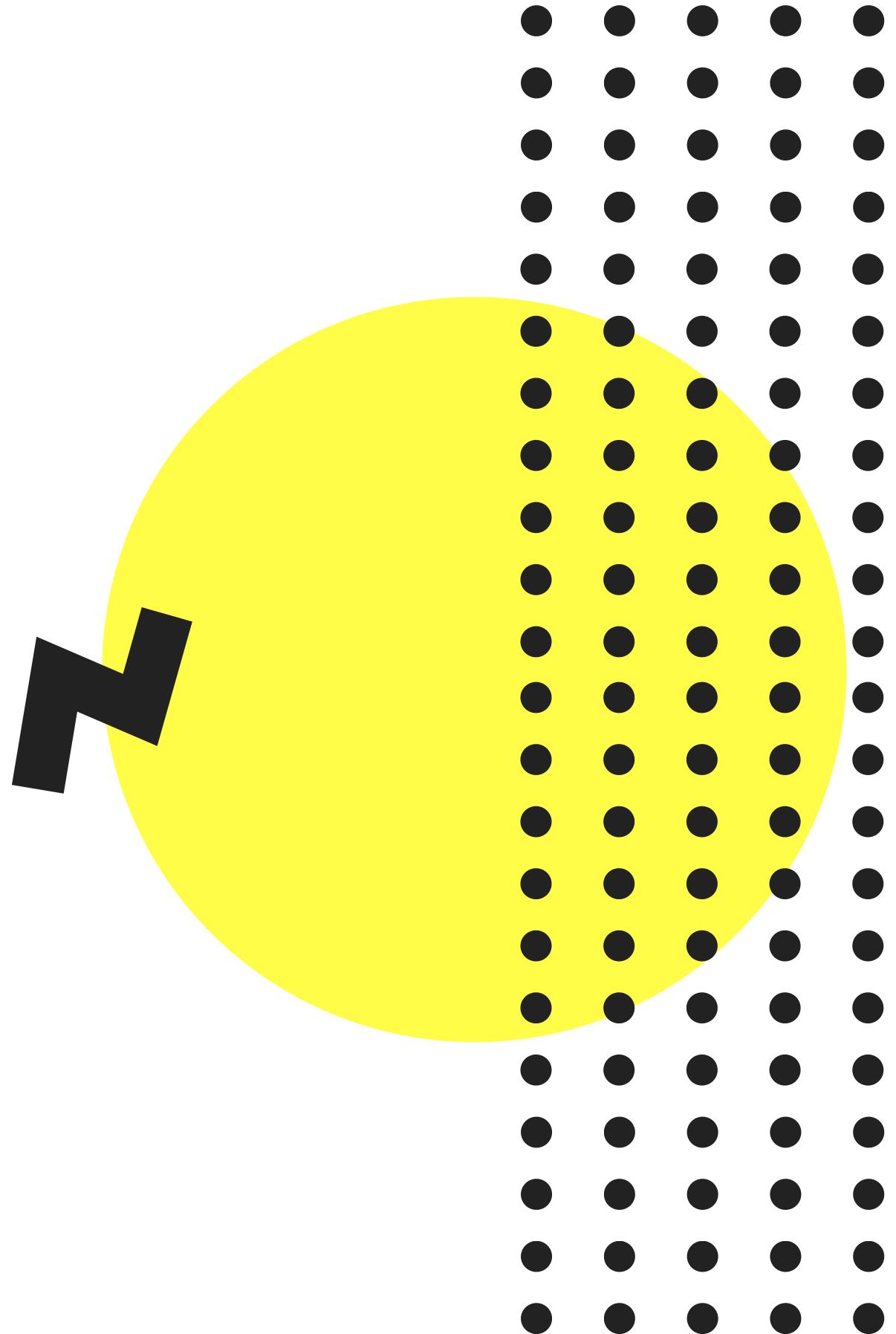
Each character has a corresponding index
(a positional number)

String Methods

METHODS ARE BUILT-IN
ACTIONS WE CAN PERFORM
WITH INDIVIDUAL STRINGS

They help us do things like:

- Searching within a string
- Replacing part of a string
- Changing the casing of a string



NULL & UNDEFINED

- Null
 - "Intentional absence of any value"
 - Must be assigned
- Undefined
 - Variables that do not have an assigned value are undefined

NULL

```
1 // No one is logged in yet...
2 let loggedInUser = null; //value is explicitly nothing
3
4 // A user logs in...
5 loggedInUser = 'Alan Rickman';
```

Undefined

```
1 let pickles; //We didn't assign a value
2 pickles; //undefined,
3 pickles = 'are very gross'
4
5 //Undefined also comes up in other situations:
6 let food = 'tacos';
7 food[7]; //undefined
```