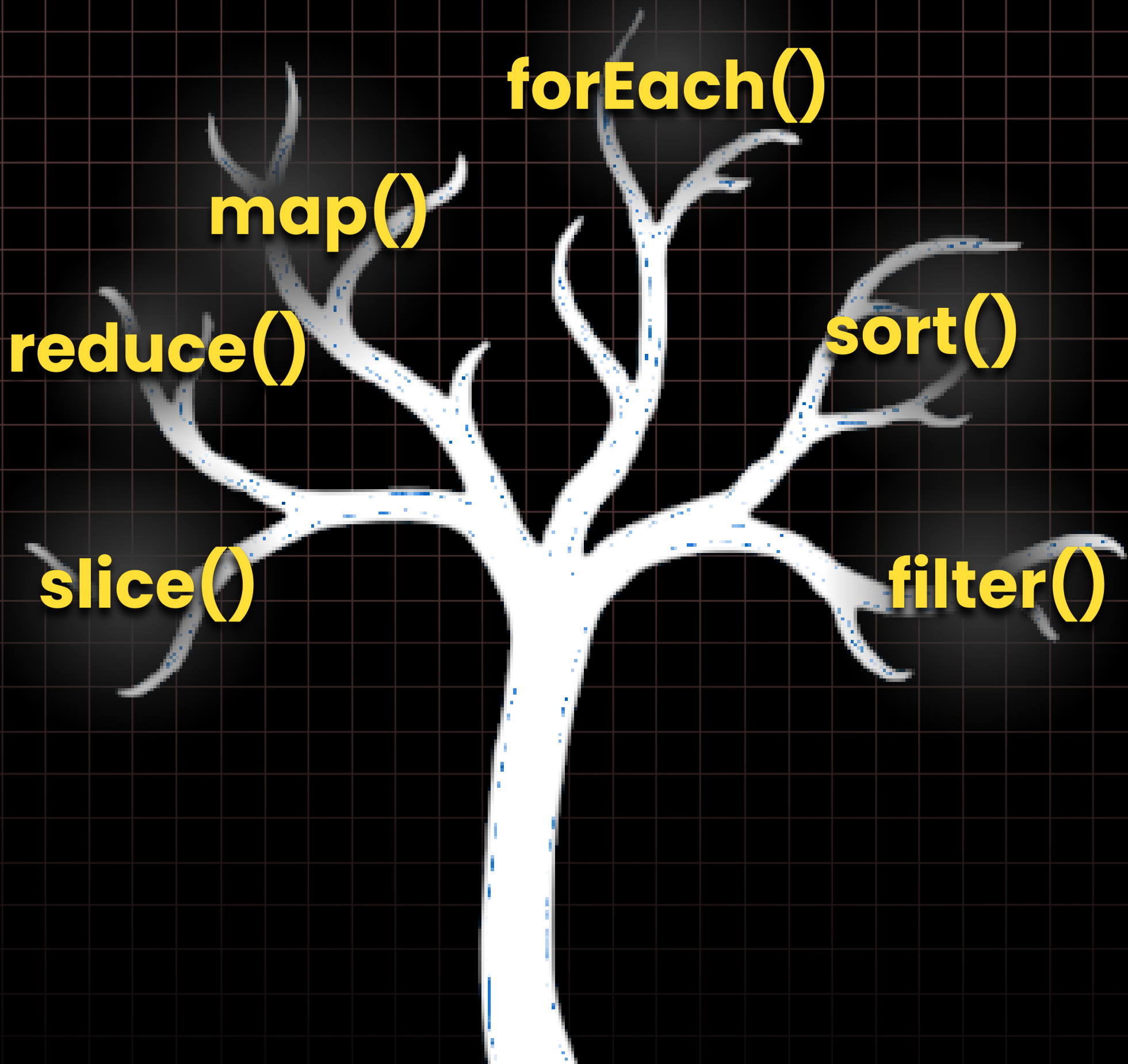


# JAVASCRIPT **ARRAY**

## METHODS (Part 2)



# 1. slice

The slice() method **slices** out a **piece** of an array into a new **array**

The slice() method **selects** from **start** position to **end** position

The slice() method does **not** **change** the original **array**.

```
array.slice(start, end)
```



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## 2. map

The `map()` method **creates** a new **array** by performing a **function** on each array **element**.

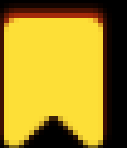
`map()` does **not execute** the function for **empty** elements.

The `map()` method does **not change** the original **array**.

```
arr.map(function(val, ind, arr), thisVal)
```



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# 3. reduce

The `reduce()` method **runs** a **function** on each **array** element to produce a **single** value.

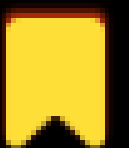
The `reduce()` method **works** from **left-to-right** in the array

The `reduce()` method does **not** **change** the original **array**.

```
arr.reduce(fun(total, val, ind, arr), initval)
```



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# 4. forEach

The `forEach()` method **calls** a **function** for each **element** in an **array**.

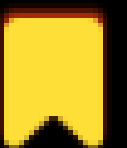
The `forEach()` method is **not executed** for **empty** elements

The `forEach()` method does **not change** the original **array**.

```
arr.forEach(fun(val, ind, arr), thisVal)
```



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# 5. sort

The `sort()` method **sorts** the **elements** of an array.

The `sort()` method **sorts** the elements **as strings** in **alphabetical** and ascending **order**.

The `sort()` method **overwrites** the **original** array.

```
array.sort(compareFunction)
```



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# 6. filter

The filter() method **creates** a new **array** with array **elements** that **pass** a test

The filter() method does **not execute** the function **for empty** elements.

The filter() method does **not change** the **original** array.

```
arr.filter(function(val, ind, arr), thisVal)
```



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