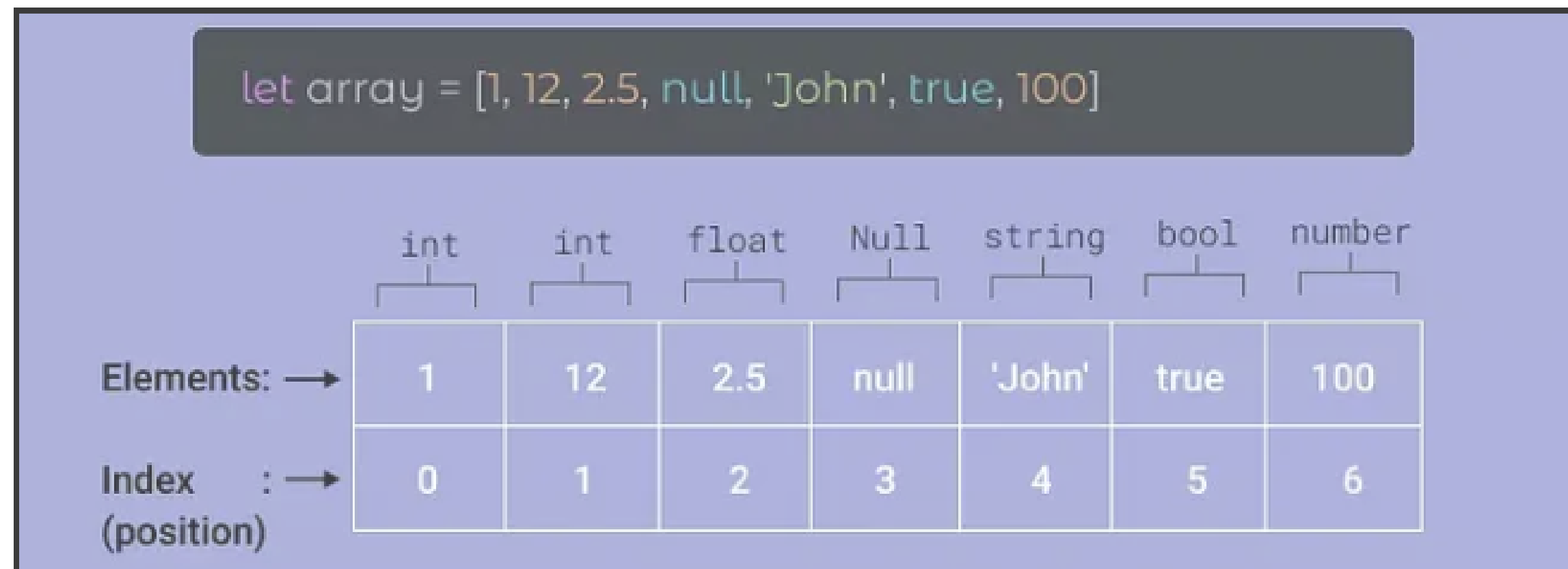# Arrays

- **Arrays are used to store multiple values in a single variable.**

- **They are a special type of object and can hold various data types, including numbers, strings, and even other arrays.**

Operations With Array.

push() and pop():

```javascript
let animals = ["Dog", "Cat", "Horse"];
animals.push("Elephant"); // Add an element to the end
animals.pop(); // Remove the last element
```

concat():

```javascript
let arr2 = [4, 5, 6];
let combinedArray = arr1.concat(arr2);
console.log(combinedArray); // Output: [1, 2, 3, 4, 5, 6]
```

Shift() and Unshift():

```javascript
let fruit = ["Apple", "Banana", "Orange"];
let firstFruit = fruit.shift();
let firstFruiT = fruit.unshift("Grapes");
console.log(firstFruit); // Output: "Apple"
console.log(fruit); // Output: ["Banana", "Orange"]
console.log(firstFruiT); // Output: ["Grapes", "Banana", "Orange"]
```

slice():

```javascript
let fruits = ["Apple", "Banana", "Orange", "Mango"];
let citrusFruits = fruits.slice(1, 3);
console.log(citrusFruits); // Output: ["Banana", "Orange"]
```

splice():

```javascript
 fruits = ["Apple", "Banana", "Orange", "Mango"];
its.splice(2, 1, "Lemon", "Kiwi");
sole.log(fruits); // Output: ["Apple", "Banana", "Lemon", "Kiwi", "Mango"]
```

filter():

```javascript
let numbers = [1, 2, 3, 4, 5];
let evenNumbers = numbers.filter(function (num) {
  return num % 2 === 0;
});
console.log(evenNumbers); // Output: [2, 4]
```