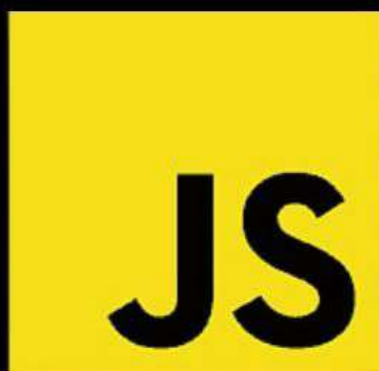


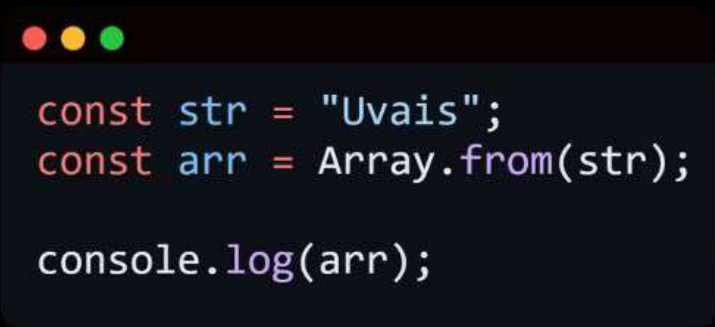
# 8 JavaScript Tricks

*for clean and efficient code*



# Array.from()

The **Array.from()** method can be used to convert any iterable objects into arrays.



```
const str = "Uvais";  
const arr = Array.from(str);  
  
console.log(arr);
```

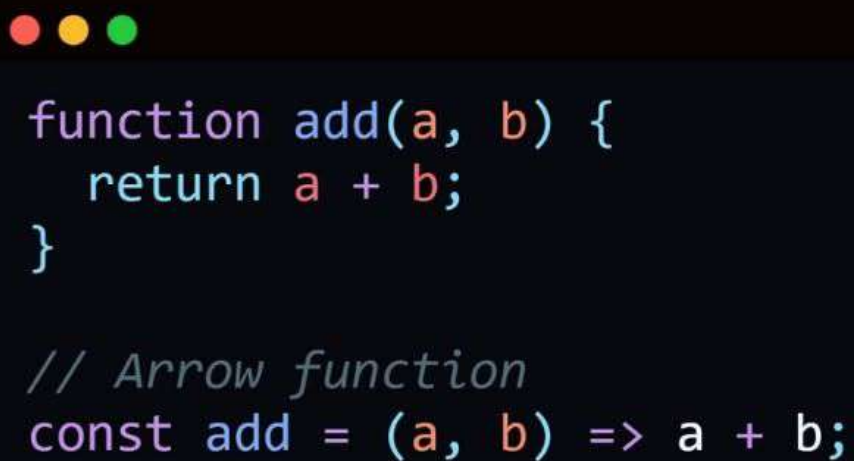


Console ×

► (5) ["U", "v", "a", "i", "s"]

# Arrow Function

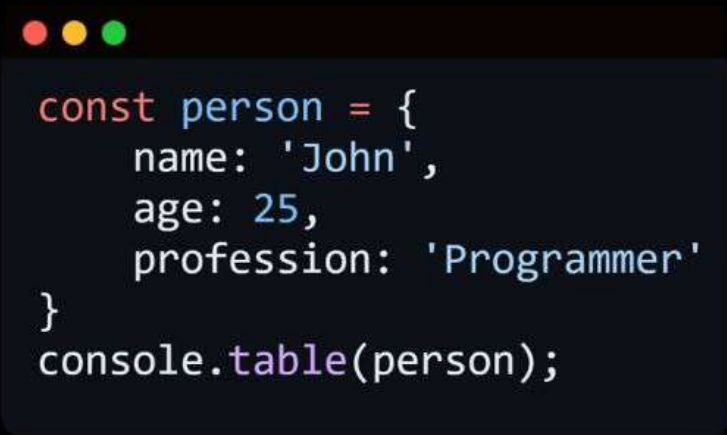
You can use arrow functions to simplify function declarations.



```
function add(a, b) {  
  return a + b;  
}  
  
// Arrow function  
const add = (a, b) => a + b;
```

## Display Data with `console.table()`

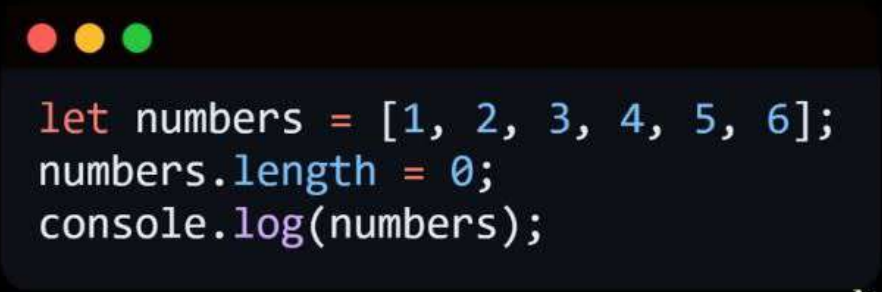
If you want your data organized or in tabular format in the console, then you can use **`console.table()`**.



```
const person = {  
  name: 'John',  
  age: 25,  
  profession: 'Programmer'  
}  
console.table(person);
```

# Empty an Array

You can empty an array easily by using the **length** property.



```
let numbers = [1, 2, 3, 4, 5, 6];  
numbers.length = 0;  
console.log(numbers);
```



Console ×

▶ []

# JSON.parse()

Use **JSON.parse()** to convert a JSON string into JavaScript object, this ensures seamless data manipulation.



```
const jsonStr = '{"name": "John", "age": 25}';  
const person = JSON.parse(jsonStr);  
console.log(person);
```



Console ×

▶ (2) {name: "Ram", age: 25}

# Map() Function

Use the **map()** function to transform elements in a new array without modifying the original array.



```
const numbers = [1, 2, 3, 4];  
const doubled = numbers.map(num => num * 2);  
console.log(numbers);  
console.log(doubled);
```



Console ×

▶ (4) [1, 2, 3, 4]

▶ (4) [2, 4, 6, 8]



# Remove Array Duplicates

You can remove duplicate elements from an array using **Set**.



```
const arrayDupli = [1, 12, 2, 13, 4, 4, 13, 12, 11];  
const mainarr = [...new Set(arrayDupli)];  
console.log(mainarr);
```



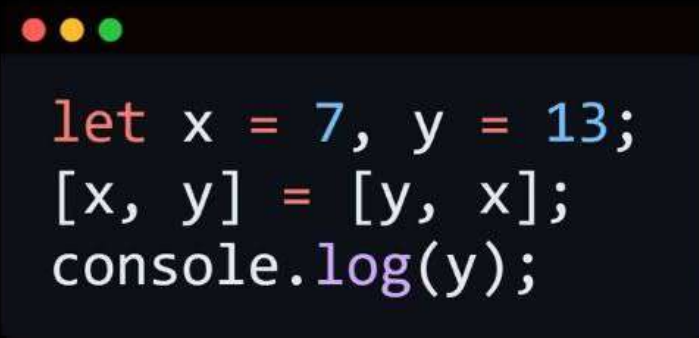
Console ×

► (6) [1, 12, 2, 13, 4, 11]




## Swap values using Destructuring

You can swap two variables easily using destructuring.



```
let x = 7, y = 13;  
[x, y] = [y, x];  
console.log(y);
```



Console ×

7