

```

function characterCount(str) {
    let count = {}
    for (let i = 0; i < str.length; i++) {
        let char = str[i]
        count[char] = (count[char] || 0) + 1
    }
    return count
}

// Example usage
let str = "hello world"
let count = characterCount(str)
console.log(count)
// Output: {h: 1, e: 1, l: 4, o: 2, w: 1, r: 1, d: 1}

```

Array of numbers

Array

→ Index

arr = [10, 20, 30, 40, 50, 60, 70]

arr[2] = 30

7

Array of string

arr = ["abc", "def", "ijk"]

arr[1] = "def"

Array of Array of number

2D

arr = [[1, 2, 3], [4, 5, 6], [7, 8, 9], [10, 11, 12]]

arr[2] = [7, 8, 9]

Array

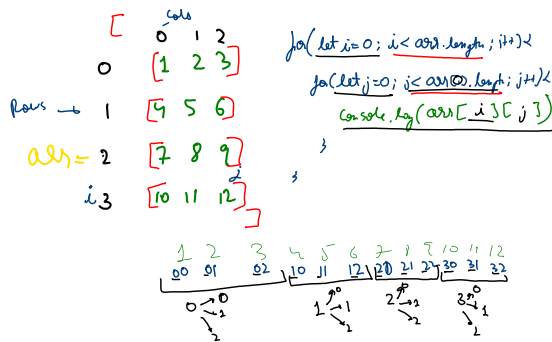
arr = [0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]

[arr.length] = 13

[arr[2].length] = 3

arr = [1, 2, 3, 4, 5]

arr.length = 5



0 1 2 3 4 5 length = 6

arr[6] ?

i = 0 ; i < 6

i <= 5

0 1 2 3 4 5 6

i = 0 ; i < 7

7

1 → <= n

10 → <= n-1