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# JAVA SCRIPT

**Manipular Arrays**

# Criação

```
const numbers = [1, 2, 4, 7];
console.log(numbers); //=> [ 1, 2, 4, 7 ]
```

# Criação

```
const numbers = [];
```

```
numbers[0] = 10;
```

```
numbers[1] = 20;
```

```
numbers[10] = 100;
```

```
console.log(numbers); //=> [ 10, 20, , , , , , 100 ]
```

# Acesso e Alteração

```
const numbers = [1, 2, 4, 7];
```

```
console.log(numbers[0]); //=> 1
```

```
console.log(numbers[3]); //=> 7
```

```
console.log(numbers[4]); //=> undefined
```

```
console.log(numbers); //=> [ 1, 2, 4, 7 ]
```

# Acesso e Alteração

```
const numbers = [1, 2, 4, 7];  
  
// change value  
numbers[2] = 5;  
  
// add value  
numbers[4] = 10;  
console.log(numbers); //=> [ 1, 2, 5, 7, 10 ]  
  
// delete value  
delete numbers[4];  
console.log(numbers); //=> [ 1, 2, 5, 7, ]
```

# Tipos Múltiplos

```
const values = [1, 'John', true, null, [1, 2]];
console.log(values[1]); //=> "John"
console.log(values[4]); //=> [1, 2]
console.log(values[4][1]); //=> 2
```

# Iteração

```
const numbers = [1, 2, 4];
let result = "";
for (let flag = 0; flag < numbers.length; flag++) {
  result += numbers[flag] + ' ';
}
console.log(result); //=> "1 2 4 "
```

# for..in

```
const numbers = [1, 2, 4];
let result = "";
for (const index in numbers) {
  result += numbers[index] + '';
}
console.log(result); //=> "1 2 4 "
```

# for..of

```
const numbers = [1, 2, 4];
let result = "";
for (const value of numbers) {
  result += value + '';
}
```

# Obrigada!

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