

JS

Tip

# Array Search

*A JavaScript reference of array search methods* 😊

- a. find*
- b. findIndex*
- c. indexOf*
- d. some*
- e. every*
- f. includes*



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Tip

# *find*

*find* - returns the *value of first element* in array, fulfilling callback function

```
const data = [1, 5, 12, 14, 5, 1];  
const value = data.find(element => element === 5);  
  
// value = 5
```

*find* { [1, 5, 12, 14, 5, 1]



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Tip

# *findIndex*

*findIndex* - returns the *index of first matching element* in array, fulfilling callback function

```
const data = [1, 5, 12, 14, 5, 1];  
const index = data.findIndex(element => element === 5);  
  
// index = 1
```

*findIndex* { [1, 5, 12, 14, 5, 1]  
                  0   1   2   3   4   5



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Tip

# *indexOf*

*indexOf* - returns the *index of first provided matching element* in array.

*indexOf* vs *findIndex*: element is passed instead of callback function


```
const data = [1, 5, 12, 14, 5, 1];  
const index = data.indexOf(5);  
  
// index = 1
```

*indexOf* { [1, 5, 12, 14, 5, 1]  
          0 1 2 3 4 5



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*some*

***some*** - returns *true* if one of the value, fulfils the callback function

```
const data = [1, 5, 12, 14, 5, 1];  
  
const some = data.some(element => element === 5);  
  
// some = true
```

*some* { [1, 5, 12, 14, 5, 1]

5  
true



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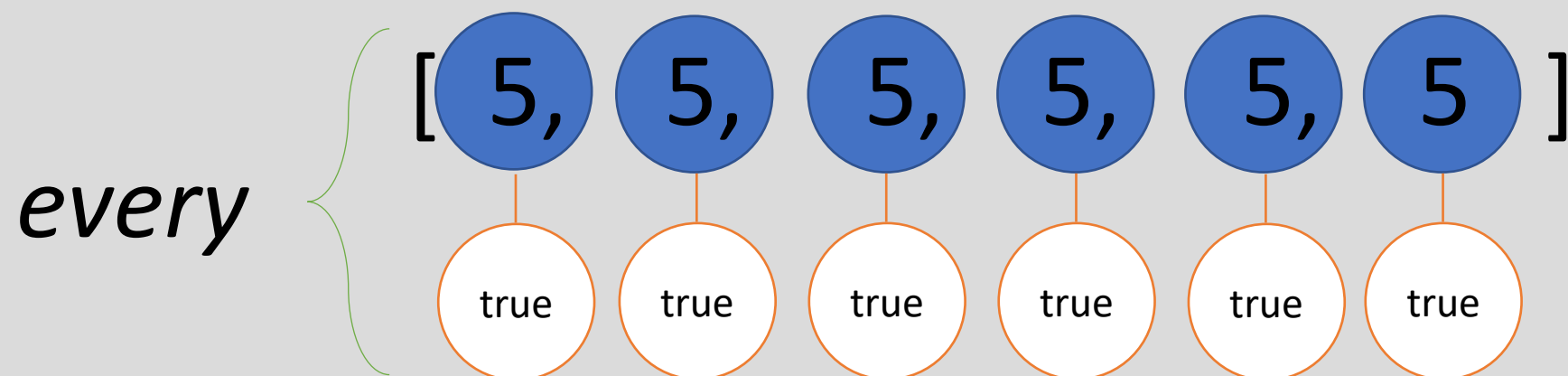
JS

Tip

# *every*

***every*** – returns *true* if all element, fulfils the callback function

```
const data = [5, 5, 5, 5, 5, 5];  
const every = data.every(element => element === 5);  
  
// every = true
```



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Tip

# *includes*

*includes* - returns *true* if provided value exists at least once in array

*includes vs some*: element is passed instead of callback function

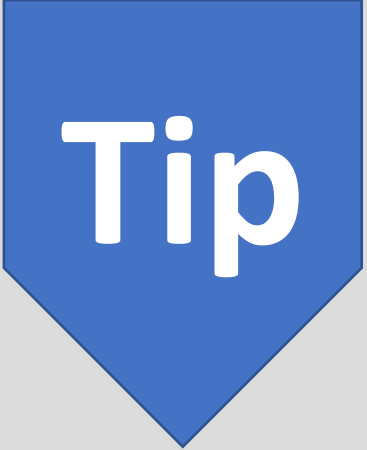
```
const data = [1, 5, 12, 14, 5, 1];  
const includes = data.includes(5);  
  
// includes = true
```

*includes* { [1, 5, 12, 14, 5, 1]  
true



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