How to search an element in Array ?

035

5 Different Ways

indexOf()

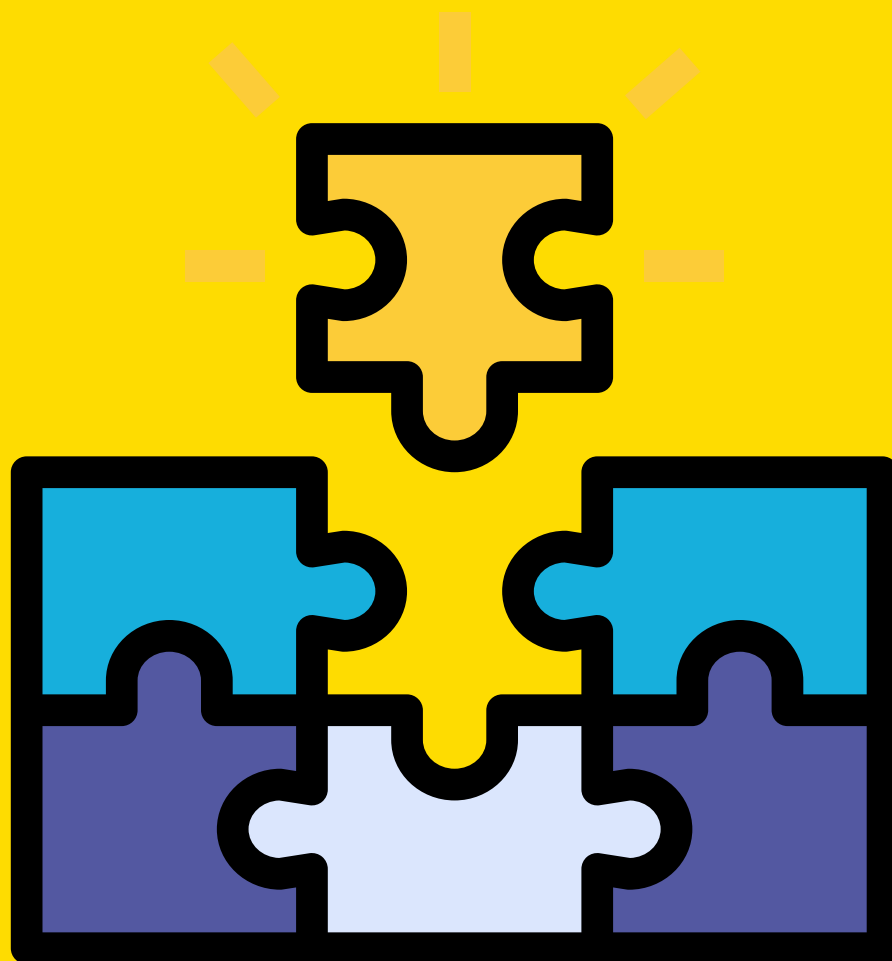- Finds the first occurrence of a value and returns its index.

- Returns -1 if not found.

```js
const fruits = ['apple', 'banana', 'mango'];
const index = fruits.indexOf('banana');
// Outputs: 1
```

	1	2	3	4	5	6	7	8	9	10
1	1	2	3	4	5	6	7	8	9	10
2	2	4	6	8	10	12	14	16	18	20
3	3	6	9	12	15	18	21	24	27	30
4	4	8	12	16	20	24	28	32	36	40
5	5	10	15	20	25	30	35	40	45	50
6	6	12	18	24	30	36	42	48	54	60
7	7	14	21	28	35	42	49	56	63	70
8	8	16	24	32	40	48	56	64	72	80
9	9	18	27	36	45	54	63	72	81	90
10	10	20	30	40	50	60	70	80	90	100

includes()

- Checks if an array contains a specific value.

- Returns true or false.

```js
const fruits = ['apple', 'banana', 'mango'];
const hasBanana = fruits.includes('banana');
// Outputs: true
```

find()

- Returns the first element that satisfies the provided testing function.

- Returns undefined if no match is found.

```js
const numbers = [1, 2, 3, 4, 5];
const found = numbers.find(num ⇒ num > 3);
// Outputs: 4
```

findIndex()

- Returns the index of the first element that satisfies the provided testing function.

- Returns -1 if no match is found.

```js
const numbers = [1, 2, 3, 4, 5];
const index = numbers.findIndex(num ⇒ num > 3);
// Outputs: 3
```

filter()

- Returns a new array with all elements that satisfy the provided testing function.

```js
const numbers = [1, 2, 3, 4, 5];
const filtered = numbers.filter(num => num > 3);
// Outputs: [4, 5]
```

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