

Explain `findIndex` method



explain `findIndex`

Here is **the simplest, beginner-friendly explanation** of `findIndex()` in JavaScript.

✓ What is `findIndex()`?

`findIndex()` is an **array method** that helps you **find the index (position)** of the **first element** in an array that matches a condition.

✓ Syntax

```
js

array.findIndex((element, index, array) => {
  // return true when you find the element you want
});
```

✓ Easy explanation

Think of an array like a list of items:

```
csharp

[10, 20, 30, 40]
```

You want to find **where 30 is**.

`findIndex` checks every element one by one:

- Is 10 the value you want? ✗ No
- Is 20 the value you want? ✗ No
- Is 30 the value you want? ✓ YES → returns **index 2**

👉 Remember: array indexes start from **0**.

✓ Example 1: Find the index of a number

```
js

const arr = [10, 20, 30, 40];
```

```
const index = arr.findIndex(item => item === 30);
console.log(index); // 2
```

✓ Example 2: If not found → returns -1

```
js

const arr = [10, 20, 30, 40];
const index = arr.findIndex(item => item === 100);
console.log(index); // -1
```

Because 100 does not exist in the array.

✓ Example 3 (Beginner Friendly): Find first even number

```
js

const arr = [1, 3, 5, 4, 6];
const result = arr.findIndex(num => num % 2 === 0);
console.log(result); // 3
```

Because **4** is the first even number, and its index is **3**.

Very important points

✓ Returns index, not value

If you want the value, use **find()**.

✓ Stops searching after first match

Only the **first matching element** is returned.

✓ Returns -1 if not found

✓ Example 4: Using all parameters

```
js

const arr = [5, 10, 15];
arr.findIndex((element, index, array) => {
  console.log(element, index, array);
  return element > 8;
});
```

element → current value

index → current index

array → the whole array

🎯 Final Summary (In One Line)

👉 **findIndex()** searches the array and returns the index of the FIRST element that satisfies your condition; if none found, returns -1.

If you want, I can also explain:

- ✓ **find()** vs **findIndex()**
- ✓ **filter()** vs **findIndex()**
- ✓ 20 practice questions for **findIndex()**

Just tell me 