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Track: Open Source – Alexandria

Intake: 44

Course: Javascript

Javascript Report

1) find method:

- The find method is used to search for the first element in an array that satisfies a given condition.
- It takes a callback function as an argument, and this callback function is applied to each element in the array until an element is found that meets the specified condition.
- If the element is found, find returns the first matching element; otherwise, it returns undefined.

Example:

```
var numbers = [1, 2, 3, 4, 5];
```

```
var found = numbers.find(function(element) {  
  return element > 2;  
});
```

```
console.log(found); // Output: 3
```

2) **forEach** method:

- The `forEach` method is used to iterate over each element in an array and execute a provided function for each element.
- It does not create a new array and is primarily used for side effects (such as modifying elements within the array or performing some action for each element).

Example:

```
var numbers = [1, 2, 3, 4, 5];
```

```
numbers.forEach(function(element) {  
    console.log(element);  
});
```

```
// Output:
```

```
// 1
```

```
// 2
```

```
// 3
```

```
// 4
```

```
// 5
```

3) map method:

- The map method is used to create a new array by applying a provided function to each element in the original array.
- It returns a new array with the results of applying the provided function to each element in the original array, without modifying the original array.

Example:

```
var numbers = [1, 2, 3, 4, 5];
```

```
var squared = numbers.map(function(element) {  
    return element * element;  
});
```

```
console.log(squared); // Output: [1, 4, 9, 16, 25]
```