JavaScript Map Methods

Balakrishna S

In JavaScript, the **Map** object is a collection of **key-value** pairs where the keys can be of any type (including objects and functions).

1. The new Map() Method

You can create a map by passing an array to the new Map() constructor:

```
1   let map = new Map();
```

Balakrishna S

2. Map.set()

Adds or updates an element with the specified key and value to the Map.

```javascript
map.set("name", "Balakrishna");
map.set(1, "one");
```

Balakrishna S

3. Map.get()

Returns the value associated with the specified key. If the key doesn't exist, it returns undefined.

```
1  console.log(map.get('name'));
2  // Output: 'Balakrishna'
```
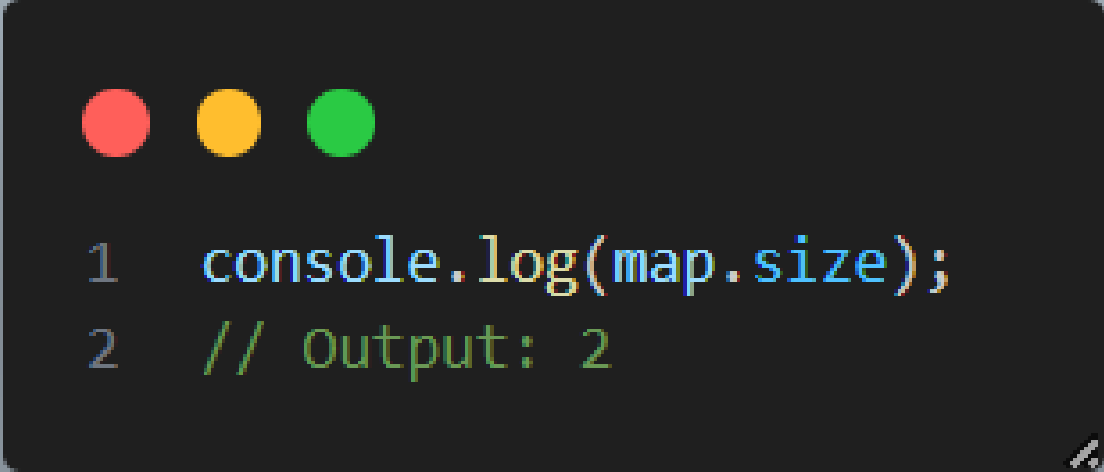
Balakrishna S

→

4. Map.size

Returns the number of key-value pairs in the Map.

```
1  console.log(map.size);
2  // Output: 2
```

Balakrishna S

5. Map.delete()

Removes the element with the specified key from the Map. It returns true if the element existed and was removed, or false if it did not exist.

```
1  console.log(map.delete(1));
2  // Output: true
```
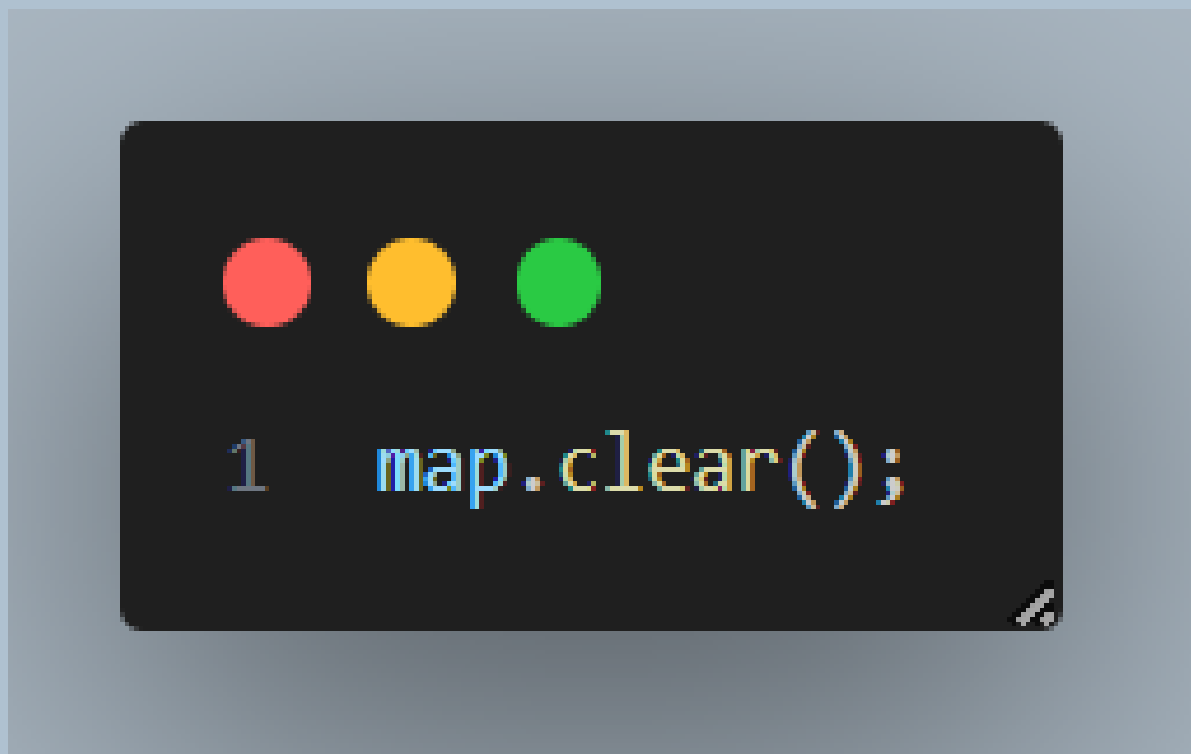
Balakrishna S

6. Map.clear()

Removes all elements from the Map.

```
1    map.clear();
```

Balakrishna S

7. keys()

Returns an iterator object that contains the keys for each element in the Map.

```
1  let keys = map.keys();
2  for (let key of keys) {
3      console.log(key);
4  }
```

Balakrishna S

7.values()

Returns an iterator object that contains the values for each element in the Map.

```javascript
let values = map.values();
for (let value of values) {
    console.log(value);
}
```

Balakrishna S

→