JavaScript Map Reference

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Map Properties

The complete `Map` object reference:

Property	Description
`size`	Number of entries in the Map
`constructor`	The Map constructor function

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Map Reference</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Map Properties</h4>
<p id="demo"></p>

<script>
const fruits = new Map([
  ["apple", 500],
  ["banana", 300],
  ["orange", 200]
]);

document.getElementById("demo").innerHTML =
  "Map: " + [...fruits] + "<br>" +
  "size: " + fruits.size + "<br>" +
  "constructor: " + fruits.constructor;
</script>

</body>
</html>
```

Example 1

Result View Example

Map Add/Remove Methods

Methods for adding and removing entries:

Method	Description
`set(key, value)`	Add or update an entry
`get(key)`	Get the value of a key
`delete(key)`	Remove an entry
`has(key)`	Check if a key exists
`clear()`	Remove all entries

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Map Reference</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Map Add/Remove Methods</h4>
<p id="demo"></p>

<script>
const fruits = new Map();

// set() adds entries
fruits.set("apple", 500);
fruits.set("banana", 300);

// get() retrieves values
let text = "get('apple'): " + fruits.get("apple") + "<br>";
text += "has('banana'): " + fruits.has("banana") + "<br><br>";

// delete() removes one entry
fruits.delete("banana");
text += "After delete('banana'): " + [...fruits] + "<br><br>";

// clear() removes all
fruits.clear();
text += "After clear(): size = " + fruits.size;

document.getElementById("demo").innerHTML = text;
</script>

</body>
</html>
```

Example 2

Result View Example

Map Iteration Methods

Methods for iterating over Map entries:

Method	Description
`forEach(fn)`	Call function for each entry
`keys()`	Iterator of all keys
`values()`	Iterator of all values
`entries()`	Iterator of [key, value] pairs

```
<!DOCTYPE html>
<html>
<body>

<h2>JavaScript Map Reference</h2>
<p>From w3schools.com, Experiment by Teeratus_R</p>

<h4>Map Iteration Methods</h4>
<p id="demo"></p>

<script>
const fruits = new Map([
  ["apple", 500],
  ["banana", 300]
]);

let text = "<b>forEach():</b><br>";
fruits.forEach((value, key) => text += key + " = " + value + "<br>");
text += "<br>";

text += "<b>keys():</b> ";
for (let k of fruits.keys()) text += k + " ";
text += "<br><br>";

text += "<b>values():</b> ";
for (let v of fruits.values()) text += v + " ";
text += "<br><br>";

text += "<b>entries():</b> ";
for (let e of fruits.entries()) text += "[" + e[0] + "," + e[1] + "] ";

document.getElementById("demo").innerHTML = text;
</script>

</body>
</html>
```

Example 3

Result View Example

Document

Document in project

You can Download PDF file.

Reference

- W3Schools JavaScript Map Reference