

Day 26, Today's Topic

# Maps

DAILY  
JS



```
/* ===== */  
/* ===== Daily JS - Day 26 ===== */  
/* ===== */
```

## # Day 26: Maps

Welcome back to the day 26th of DailyJS, I know I was a little inconsistent in putting up the content from past few days, I will try to be more consistent from now :D

Today's topic is map, which is, again, a very simple topic.

If you come from some other language you must have heard about some data structures that are capable of holding key value pairs. For example, python has `dictionary`.

Similarly, Map is a collection of elements where each element is stored as a Key, value pair.

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```

## ## Syntax

The syntax is very simple, we can provide an iterable object in the constructor. We can even use the `get` and `set` methods to retrieve and set the key values.

```
```js
new Map([itr])

var myMap = new Map([['a', 1], ['b', 2], ['c', 3]]);
```
```

Some important methods -

1. `Map.prototype.set ()` - ``myMap.set (key, val)``
2. `Map.prototype.get ()` - ``myMap.get (key)``
3. `Map.prototype.has ()` - ``myMap.has (key)``
4. `Map.prototype.delete ()` - ``myMap.delete (key)``
5. `Map.prototype.clear ()` - ``myMap.clear ()``
6. `Map.prototype.keys ()` - ``myMap.keys ()``
7. `Map.prototype.values ()` - ``myMap.values ()``

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```
/* ===== */
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/* ===== */

var myMap = new Map([[ 'a', 1], [ 'b', 2] ,[ 'c', 3]]);
console.log (myMap);
console.log ( " 'a' → ", myMap.get ( 'a' ));

// Delete all key value pairs
myMap.clear ();
console.log (myMap);

// Adding new pairs
myMap.set ( 'name', 'Madhav');
myMap.set ( 'age', 21);
myMap.set ( 'profession', 'Student');
myMap.set ( 'remarks', 'Good Boi');
console.log (myMap);

// Get the value from key
const name = myMap.get ( 'name' );
console.log (name);

// Check a key
const hasAge = myMap.has ( 'age' );
console.log ( 'myMap has age: ', hasAge);

// Delete a pair
myMap.delete ( 'remarks' );
console.log (myMap);

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```

# Thank you!

**Feel free to reach out...**

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