

HTML CSS JAVASCRIPT SQL PYTHON JAVA PHP HOW TO W3.CSS C C++ C# BOOTSTRAP REACT MYSQL JQUERY EXCEL

actrise

JS If Conditions

JS Loops

JS Strings

JS Numbers

JS Functions

JS Objects

JS Scope

JS Dates

JS Arrays

JS Sets

JS Sets

JS Set Methods

JS Set Logic

JS Set WeakSet

JS Set Reference

JS Maps

JS Iterations

JS Math

JS RegExp

JS Data Types

JS Errors

JS Events

JS Conventions

JS References

JS Versions

JavaScript Set Logic

[◀ Previous](#)[Next ▶](#)

Logic Methods

In JavaScript 2025, 7 new logical methods were added to the Set object:

`union()`
`difference()`
`intersection()`
`isDisjointFrom()`
`isSubsetOf()`
`isSupersetOf()`
`symmetricDifference()`

Browser Support

`Set Logic` is an ES2025 feature.

JavaScript 2025 is fully supported in all modern browsers since May 2025:

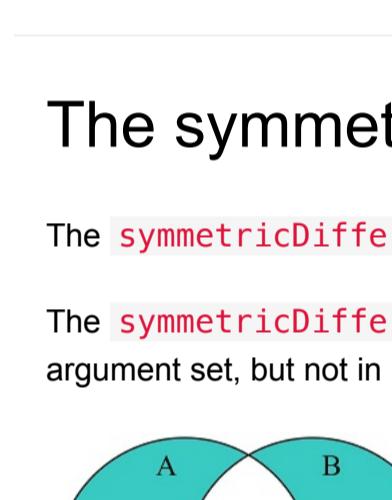
Chrome	Edge	Firefox	Safari	Opera
136	136	129	18.2	120
Apr 2025	Apr 2025	Aug 2024	Des 2024	May 2025



The union() Method

The `union()` method returns the union of two sets.

The `union()` method returns a new set containing the elements which are in this set, or in the argument set, or in both:



Example

```
const A = new Set(['a','b','c']);
const B = new Set(['b','c','d']);

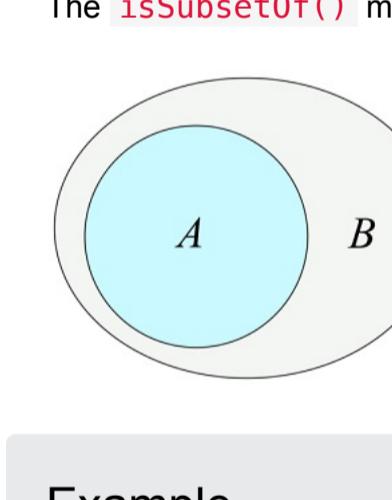
const C = A.union(B);
```

[Try it Yourself >](#)

The intersection() Method

The `intersection()` method returns the intersection of two sets.

The `intersection()` method returns a new set containing the elements which are in this set and in the argument set:



Example

```
const A = new Set(['a','b','c']);
const B = new Set(['b','c','d']);

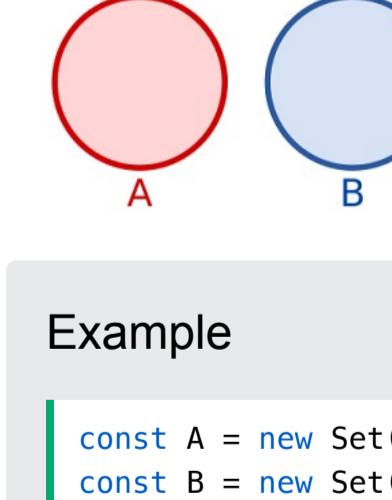
const C = A.intersection(B);
```

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The difference() Method

The `difference()` method returns the difference between two sets.

The `difference()` method returns a new set containing elements which are in this set but not in the argument set:



Example

```
const A = new Set(['a','b','c']);
const B = new Set(['b','c','d']);

const C = A.difference(B);
```

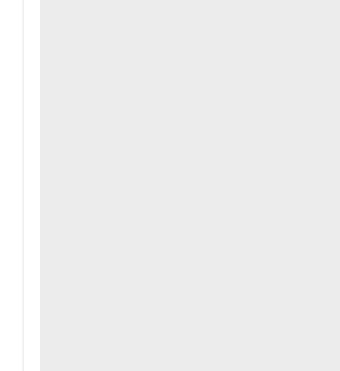
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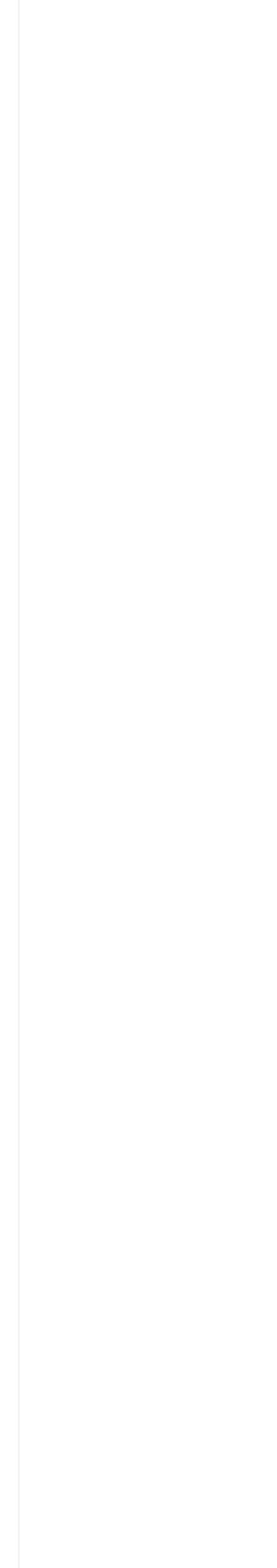
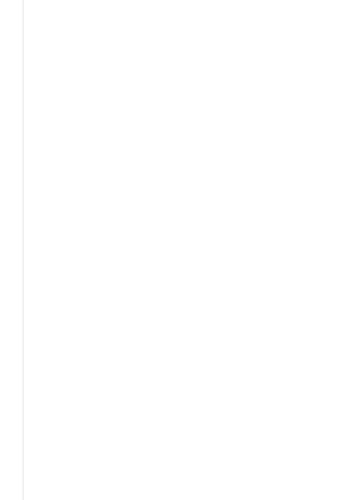
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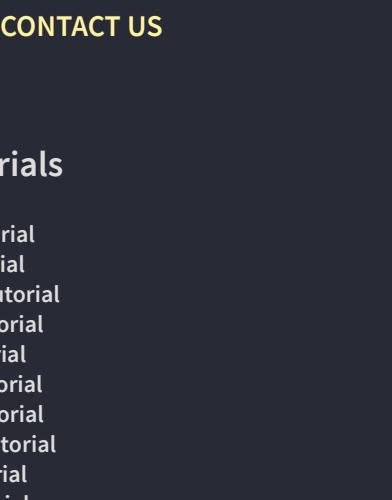


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The isSubsetOf() Method

The `isSubsetOf()` method returns `true` if all elements in this set is also elements in the argument set:



Example

```
const A = new Set(['a','b','c']);
const B = new Set(['b','c','d']);

let answer = A.isSubsetOf(B);
```

[Try it Yourself >](#)

The isSupersetOf() Method

The `isSupersetOf()` method returns `true` if all elements in the argument set are also in this set:

Example

```
const A = new Set(['a','b','c']);
const B = new Set(['b','c','d']);

let answer = A.isSupersetOf(B);
```

[Try it Yourself >](#)

The isDisjointFrom() Method

The `isDisjointFrom()` method returns `true` if this set has no elements in common with the argument set:

Example

```
const A = new Set(['a','b','c']);
const B = new Set(['b','c','d']);

let answer = A.isDisjointFrom(B);
```

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