

| JavaScript Array Methods — Quick Notes

Method	Definition	Syntax	Example	Output
<code>filter()</code>	Returns a new array with elements that pass a test	<code>array.filter(callback)</code>	<code>[1,2,3,4].filter(x => x%2==0)</code>	<code>[2,4]</code>
<code>map()</code>	Creates a new array by modifying each element	<code>array.map(callback)</code>	<code>[1,2,3].map(x => x*2)</code>	<code>[2,4,6]</code>
<code>slice()</code>	Returns part of an array (no change in original)	<code>array.slice(start, end)</code>	<code>[10,20,30].slice(1,2)</code>	<code>[20]</code>
<code>splice()</code>	Changes array by adding/removing items	<code>array.splice(start, deleteCount, item...)</code>	<code>arr = [1,2,3]; arr.splice(1,1,10)</code>	<code>[1,10,3]</code>
<code>reduce()</code>	Reduces array to a single value	<code>array.reduce(callback, init)</code>	<code>[1,2,3].reduce((a,b) => a+b)</code>	<code>6</code>
<code>some()</code>	Returns <code>true</code> if any element passes test	<code>array.some(callback)</code>	<code>[1,3,5].some(x => x%2==0)</code>	<code>false</code>
<code>find()</code>	Returns first element that passes test	<code>array.find(callback)</code>	<code>[4,5,6].find(x => x > 4)</code>	<code>5</code>
<code>indexOf()</code>	Returns index of element, or -1	<code>array.indexOf(value)</code>	<code>[10,20].indexOf(20)</code>	<code>1</code>

Method	Definition	Syntax	Example	Output
<code>includes()</code>	Checks if value exists in array	<code>array.includes(value)</code>	<code>[1,2,3].includes(2)</code>	<code>true</code>
<code>concat()</code>	Merges two arrays	<code>array1.concat(array2)</code>	<code>[1,2].concat([3,4])</code>	<code>[1,2,3,4]</code>
<code>sort()</code>	Sorts elements (as strings by default)	<code>array.sort()</code>	<code>[3,1,2].sort()</code>	<code>[1,2,3]</code> (use <code>sort((a,b)⇒a-b)</code> for numbers)

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