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🔷 JavaScript Array Methods — One-Liners

➕ Add / ➖ Remove

Method	One-liner	Example
push()	Adds element(s) to end	arr.push(5)
pop()	Removes last element	arr.pop()
unshift()	Adds element(s) to start	arr.unshift(1)
shift()	Removes first element	arr.shift()
splice()	Adds/removes elements at any index	arr.splice(1,1,9)

🔁 Iteration / Transformation

Method	One-liner	Example
forEach()	Executes function on each element (no return)	arr.forEach(x⇒x)
map()	Returns new array after transforming elements	arr.map(x⇒x*2)
filter()	Returns elements that satisfy condition	arr.filter(x⇒x>5)
reduce()	Reduces array to single value	arr.reduce((a,b)⇒a+b)
reduceRight()	Reduce from right to left	arr.reduceRight(...)
some()	Checks if **any** element matches condition	arr.some(x⇒x>10)
every()	Checks if **all** elements match condition	arr.every(x⇒x>0)

🔍 Searching

Method	One-liner	Example
includes()	Checks if value exists	arr.includes(3)
indexOf()	Returns first index of value	arr.indexOf(3)
lastIndexOf()	Returns last index of value	arr.lastIndexOf(3)
find()	Returns first matching element	arr.find(x⇒x>5)
findIndex()	Returns index of first match	arr.findIndex(x⇒x>5)

Method	One-liner	Example
findLast()	Finds from end	arr.findLast(x⇒x>5)
findLastIndex()	Index from end	arr.findLastIndex(x⇒x>5)

📋 Copy / Extract / Combine

Method	One-liner	Example
slice()	Returns portion of array	arr.slice(1,3)
concat()	Merges arrays	arr1.concat(arr2)
copyWithin()	Copies part of array internally	arr.copyWithin(0,1)
with()	Returns new array with replaced value	arr.with(1,99)

🔃 Ordering

Method	One-liner	Example
sort()	Sorts array in place	arr.sort()
reverse()	Reverses array in place	arr.reverse()
toSorted()	Returns sorted copy	arr.toSorted()
toReversed()	Returns reversed copy	arr.toReversed()
toSpliced()	Immutable splice	arr.toSpliced(1,1)

🔄 Convert / Flatten

Method	One-liner	Example
join()	Converts array to string	arr.join("-")
toString()	Converts to comma string	arr.toString()
flat()	Flattens nested arrays	[1,[2]].flat()
flatMap()	Map + flatten	arr.flatMap(x⇒[x,x])

🧭 Iterators

Method	One-liner
keys()	Returns array indices iterator
values()	Returns values iterator

Method	One-liner
entries()	Returns [index,value] pairs

Access Helpers

Method	One-liner
at()	Access element using positive/negative index
length	Returns array size

🔷 JavaScript Object Methods — One-Liners

📌 Access / Inspection

Method	One-liner
Object.keys()	Returns array of property names
Object.values()	Returns array of values
Object.entries()	Returns [key,value] pairs
hasOwnProperty()	Checks if property exists

✏️ Modification

Method	One-liner
Object.assign()	Copies properties to target
Spread {...obj}	Creates shallow copy
delete	Removes property

🔒 Protection

Method	One-liner
Object.freeze()	Prevents all modifications
Object.seal()	Allows updates, prevents add/delete

🔁 Looping

Method	One-liner
for...in	Iterates over object keys