JavaScript Functional Array Methods - Cheat Sheet

Method	Syntax	Purpose	Use Case	
map	arr.map(cb)	Create new array by transforming each element	Change values (e.g., square)	[1,2,3].map(
filter	arr.filter(cb)	Keep elements that pass condition	Filter even numbers	[1,2,3].filter(
reduce	arr.reduce(cb, init)	Reduce array to single value	Sum values	[1,2,3].reduc
forEach	arr.forEach(cb)	Run function for each item (no return)	Logging each item	[1,2].forEach
find	arr.find(cb)	Return first match	Find first > 3	[1,4,5].find(x
findIndex	arr.findIndex(cb)	Index of first match	Find index of 5	[4,5].findInd
some	arr.some(cb)	Check if any match	Any > 5?	[1,6].some(x
every	arr.every(cb)	Check if all match	All > 0?	[1,2].every(x
flat	arr.flat(depth)	Flatten nested arrays	Flatten 1 level	[1,[2]].flat() -
flatMap	arr.flatMap(cb)	Map + Flatten	Duplicate values	["a","b"].flatM
sort	arr.sort(cb)	Sort elements (in-place)	Numeric sort	[4,2].sort((a,