JavaScript Spread, Rest, and Destructuring

Feature	Description	Example
Spread Syntax ()	Expands an array or object into individual elements	s[['a', 'b']] // ['a', 'b']
Spread in Objects	Copies properties of one object into another	let obj1 = {a:1}, obj2 = {obj1} // {a:1}
Spread in Arrays	Combines arrays or clones arrays	[1, 2,[3, 4]] // [1, 2, 3, 4]
Rest Parameters	Collects remaining elements into an array	function sum(args) { return args.red
Rest in Destructuring	Collects remaining properties	let [a,rest] = [1,2,3]; // rest = [2,3]
Array Destructuring	Assigns variables from array elements	let [a, b] = [1, 2]; // a = 1, b = 2
Skipping Elements	Skip unwanted elements in array destructuring	let [a, , b] = [1, 2, 3]; // a = 1, b = 3
Swapping Values	Easily swap variable values	[a, b] = [b, a]
Default Values	Set default values in destructuring	let [a = 5] = []; // a = 5
Object Destructuring	Extract properties into variables	let $\{x, y\} = \{x:1, y:2\};$
Renaming Variables	Assign properties to new variable names	let {x: a} = {x:1}; // a = 1
Nested Destructuring	Destructure nested properties	let {a: {b}} = {a: {b: 2}}; // b = 2
Destructure in Function Params	Extract values from arguments	function greet({name}) { console.log(r
Rest in Objects	Group remaining properties	let {a,rest} = {a:1, b:2}; // rest = {b:2