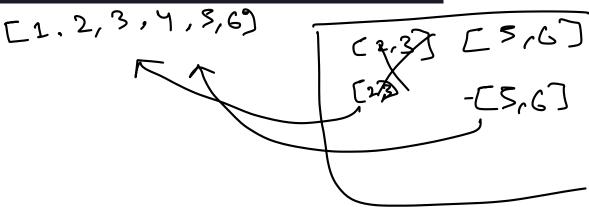
- > Polyfills for HOF (map, filter, suduce)
 → Interview questions

```
const nestedArr = [1, [2, 3], [4, [5, 6]]];
function flattenArr(arr) {
 return arr.reduce((resultArr, item) => {
    if (Array.isArray(item)) {
     const subFlattenedArray = flattenArr(item); // Recursively flattening the nested array.
      for (let i = 0; i < subFlattenedArray.length; i++) {</pre>
        resultArr.push(subFlattenedArray[i]);
   } else {
      resultArr.push(item); // Directly push it to the result array.
    return resultArr;
const result = flattenArr(nestedArr); // [1, 2, 3, 4, 5, 6]
console.log(result);
```



/ Key Differences:

Aspect	Rest Operator	Spread Operator
Purpose	Gathers elements into an array	Spreads elements out individually
Usage Context	Function parameters, Destructuring	Array/Object literals, Function calls
Example Syntax	<pre>function(a,args)</pre>	const arr = [array]
Data Flow	Collapses elements	Expands elements

✓ Summary:

- Rest (...): Gathers elements into a collection.
- Spread (...): Spreads elements out of a collection.