Here’s a categorized breakdown of the **JavaScript array assignments** based on complexity:

**🟢 Beginner Level (Basic Operations & Loops)**

✅ **Basic Array Access & Looping**

1. Print all array values using a for loop.
2. Print all numbers in an array except the first element.
3. Print all elements in an array except the last element.
4. Print all the numbers from the last index to the first index.
5. Print all the numbers from the last index to the first index except the first element.
6. Print all the numbers from the last index to the first index except the last element.
7. Print only the last 4 elements of an array.

✅ **Finding Values in an Array**  
8. Print the **minimum number** in an array.  
9. Print the **maximum number** in an array.  
10. Find the **sum** of all numbers in an array.  
11. Find the **average** of all numbers in an array.  
12. Print values that are greater than a given number.  
13. Print all **even numbers** in an array.  
14. Print all **odd numbers** in an array.  
15. Print all **positive numbers** in an array.  
16. Search if a given number is in an array (includes).

✅ **Working with Duplicates & Basic Sorting**  
17. Count the number of times an element appears in an array.  
18. Print the index of a given element in an array.  
19. Remove duplicate elements from an array.  
20. Store an array into another array.  
21. Sort an array in **ascending order**.

**🟡 Intermediate Level (Array Transformations & Advanced Searching)**

✅ **Array Modifications & Filtering**  
22. Reduce each element of the array by **25%** and store it in another array.  
23. Store only **even numbers** in another array.  
24. Create a **duplicate** array for a given array.  
25. Remove **duplicates** from an array.  
26. Print only **perfect squares** from an array.  
27. Print only **two-digit numbers** from an array.  
28. Print only numbers that are **multiples of 5**.  
29. Print only numbers that are **multiples of 2 AND 3**.  
30. Print only numbers that are **multiples of 3 OR 5**.

✅ **Salary-Based Calculations**  
31. Increment all salaries in an array by **5%**.  
32. For each basic salary:

* Add **40% HRA**, **92% DA**, **10% Tax** and display the result.

1. Deduct tax:

* **10% for salaries < 50000**, **12% for salaries > 50000**.

✅ **Complex Searching & Filtering**  
34. Print **odd numbers** divisible by 3.  
35. Insert the **first 10 odd numbers** into an empty array.  
36. Print elements in the **second half** of the array.  
37. Find the **greatest two-digit number** in an array.

✅ **Sorting & Ordering**  
38. Remove elements that are **not in ascending order**.  
39. Sort an array **based on the number of occurrences of elements**.

✅ **Array Merging & Manipulation**  
40. **Merge two arrays** with values of the first array appearing first.  
41. **Merge two arrays** with values of the second array appearing first.  
42. Merge two **sorted arrays** into one.

✅ **Insert & Remove Elements**  
43. Insert an element at a **specific position** in an array.  
44. Remove an element from a **specific position**.

✅ **String & Recursion-Based Operations**  
45. Check if a **string is a palindrome** using a loop.  
46. Convert all **input strings into asterisks (\*)**.  
47. Read and print elements of an array using **recursion**.  
48. Print all **negative elements** in an array.  
49. Find the **sum** of all elements using **recursion**.  
50. Find the **minimum and maximum** elements using **recursion**.

**🔴 Advanced Level (Complex Operations & Recursion)**

✅ **Advanced Searching & Sorting**  
51. Find the **second-largest** element in an array.  
52. Count the **total even and odd elements** in an array.  
53. Count the **total negative numbers** in an array.  
54. Count the **frequency of each element** in an array.  
55. Print all **unique elements** in an array.  
56. Count the **total duplicate elements** in an array.  
57. Delete all **duplicate elements** from an array.

✅ **Array Merging & Transformations**  
58. Merge two arrays into a **third array**.  
59. Find the **reverse** of an array.  
60. Separate **even and odd elements** into two different arrays.

✅ **Complex Manipulations**  
61. Search for an **element in an array**.  
62. Sort elements in **ascending/descending order**.  
63. Sort **even and odd elements separately**.  
64. **Right rotate** an array.

**💡 How to Use This List?**

* If you're a **beginner**, start with the **Beginner Level** tasks to build confidence.
* If you’re **comfortable with basic operations**, move to **Intermediate Level** tasks.
* If you want to **master arrays**, try **Advanced Level** assignments.

Would you like a script that implements these assignments step by step? 😊