1️⃣ Add & Remove From End

```
let fruits = ["apple", "banana"];
```

- Add `"orange"` to the end.
- Remove the last element.
- What is the final array?

2️⃣ Add & Remove From Beginning

```
let numbers = [2, 3, 4];
```

- Add `1` to the beginning.
- Remove the first element.
- What is the final array?

3️⃣ Find Position

```
let colors = ["red", "blue", "green", "yellow"];
```

- Find the index of `"green"`.
- Find the index of `"purple"` (what will it return?)

🟡 Intermediate Level

4️⃣ Shopping Cart Simulation

```
let cart = ["milk", "bread"];
```

- Add `"eggs"` to the cart.
- Add `"butter"` to the beginning.
- Remove the last item.
- Find the index of `"milk"`.

👉 What does the cart look like at the end?

5️⃣ Undo Feature (Stack Concept)

```
let actions = [];
```

- User performs: `"login"`, `"view page"`, `"logout"`
- Add them properly.
- User clicks undo → remove last action.
- What remains in the array?

6️⃣ Queue Simulation (Line System)

```
let queue = ["Person1", "Person2"];
```

- New person joins at the end.
- First person leaves.
- Another person joins at the beginning (VIP).
- What is the final queue?

🔵 Challenge Level

7️⃣ Remove Specific Element Using indexOf

```
let animals = ["cat", "dog", "lion", "dog"];
```

- Remove the first `"dog"` using `indexOf()` and another array method.
- What does the array become?

8️⃣ Check & Add If Not Exists

```
let users = ["Alice", "Bob"];
```

Write logic:

- If `"Charlie"` is NOT in the array, add it.
- If `"Alice"` is in the array, remove the last user.

What is the final array?

9️⃣ Predict the Output

```
let arr = [10, 20, 30];
arr.push(40);
arr.shift();
arr.unshift(5);
arr.pop();
console.log(arr);
```

Write a program to merge two arrays into a single array.
[1, 2, 3] and [4, 5, 6]

Write a program to remove a specified element from an array.
[5, 3, 8, 9, 4]

Write a program to convert an array of strings into a single string.
["apple", "banana", "cherry"]

Write a program to reverse an array without using reverse function
[1, 2, 3, 4, 5]

Given an array of numbers, remove elements from index 2 to index 4 using the splice() method.
[10, 20, 30, 40, 50]

Given an array of numbers, extract a portion of the array from index 1 to index 4 (inclusive) using the slice() method.
[10, 20, 30, 40, 50]

Given an array of strings, extract the last three elements using the slice() method.
['apple', 'banana', 'cherry', 'date', 'fig', 'hello', 'hi']

split an array into chunks of a specified size.
[1, 2, 3, 4, 5, 6, 7, 8, 9]
answer:[[1, 2, 3], [4, 5, 6], [7, 8, 9]]