```
// ✅ 1. length - Get total number of items in the array
let fruits = ["Apple", "Banana", "Orange"];
console.log(fruits.length); // Output: 3

// ✅ 2. push() - Add item(s) at the end
fruits.push("Mango");
console.log(fruits); // ["Apple", "Banana", "Orange", "Mango"]

// ✅ 3. pop() - Remove last item
fruits.pop();
console.log(fruits); // ["Apple", "Banana", "Orange"]

// ✅ 4. unshift() - Add item(s) at the beginning
fruits.unshift("Grapes");
console.log(fruits); // ["Grapes", "Apple", "Banana", "Orange"]

// ✅ 5. shift() - Remove first item
fruits.shift();
console.log(fruits); // ["Apple", "Banana", "Orange"]

// ✅ 6. indexOf() - Get index of an item
console.log(fruits.indexOf("Banana")); // Output: 1

// ✅ 7. includes() - Check if item exists
console.log(fruits.includes("Orange")); // true

// ✅ 8. join() - Join all items into a string
console.log(fruits.join(", ")); // "Apple, Banana, Orange"
```

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// ✅ 9. slice() - Get part of the array
console.log(fruits.slice(0, 2)); // ["Apple", "Banana"]

// ✅ 10. splice() - Add/Remove items
fruits.splice(1, 1, "Kiwi"); // Remove 1 item at index 1 and insert "Kiwi"
console.log(fruits); // ["Apple", "Kiwi", "Orange"]

// ✅ 11. sort() - Sort array alphabetically
fruits.sort();
console.log(fruits); // ["Apple", "Kiwi", "Orange"]

// ✅ 12. reverse() - Reverse the array
fruits.reverse();
console.log(fruits); // ["Orange", "Kiwi", "Apple"]

// ✅ 13. forEach() - Loop through array
fruits.forEach((fruit, index) => {
  console.log(index + ": " + fruit);
});

// ✅ 14. map() - Create new array by modifying items
let upperFruits = fruits.map(fruit => fruit.toUpperCase());
console.log(upperFruits); // ["ORANGE", "KIWI", "APPLE"]

// ✅ 15. filter() - Create new array with matching condition
let shortNames = fruits.filter(fruit => fruit.length <= 5);
console.log(shortNames); // ["Kiwi", "Apple"]
```

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// ✅ 16. find() - Return first match
let found = fruits.find(fruit => fruit.includes("i"));
console.log(found); // "Kiwi"

// ✅ 17. reduce() - Reduce to a single value
let numbers = [1, 2, 3, 4];
let total = numbers.reduce((sum, num) => sum + num, 0);
console.log(total); // 10

// ✅ 18. concat() - Merge arrays
let moreFruits = ["Pineapple", "Strawberry"];
let allFruits = fruits.concat(moreFruits);
console.log(allFruits); // ["Orange", "Kiwi", "Apple", "Pineapple", "Strawberry"]

// ✅ 19. flat() - Flatten nested arrays
let nested = [1, 2, [3, 4], [5, [6]]];
console.log(nested.flat(2)); // [1, 2, 3, 4, 5, 6]

// ✅ 20. findIndex() - Index of first match
let index = fruits.findIndex(fruit => fruit.startsWith("K"));
console.log(index); // 1

// ✅ 21. every() - Check if all match condition
console.log(numbers.every(num => num > 0)); // true

// ✅ 22. some() - Check if at least one matches
console.log(numbers.some(num => num > 3)); // true
```

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// ✅ 23. fill() - Fill all/part of array with value
let filled = new Array(5).fill("X");
console.log(filled); // ["X", "X", "X", "X", "X"]

// ✅ 24. toString() - Convert array to string
console.log(fruits.toString()); // "Orange,Kiwi,Apple"
```