### Basic Data Structures

Data can be stored and accessed in many ways. You already know some common JavaScript data structures — arrays and objects.

In this Basic Data Structures course, you'll learn more about the differences between arrays and objects, and which to use in different situations. You'll also learn how to use helpful JS methods like splice() and Object.keys() to access and manipulate data.

Collapse course

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1. [Use an Array to Store a Collection of Data](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/use-an-array-to-store-a-collection-of-data)
2. [Access an Array's Contents Using Bracket Notation](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/access-an-arrays-contents-using-bracket-notation)
3. [Add Items to an Array with push() and unshift()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/add-items-to-an-array-with-push-and-unshift)
4. [Remove Items from an Array with pop() and shift()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/remove-items-from-an-array-with-pop-and-shift)
5. [Remove Items Using splice()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/remove-items-using-splice)
6. [Add Items Using splice()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/add-items-using-splice)
7. [Copy Array Items Using slice()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/copy-array-items-using-slice)
8. [Copy an Array with the Spread Operator](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/copy-an-array-with-the-spread-operator)
9. [Combine Arrays with the Spread Operator](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/combine-arrays-with-the-spread-operator)
10. [Check For The Presence of an Element With indexOf()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/check-for-the-presence-of-an-element-with-indexof)
11. [Iterate Through All an Array's Items Using For Loops](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/iterate-through-all-an-arrays-items-using-for-loops)
12. [Create complex multi-dimensional arrays](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/create-complex-multi-dimensional-arrays)
13. [Add Key-Value Pairs to JavaScript Objects](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/add-key-value-pairs-to-javascript-objects)
14. [Modify an Object Nested Within an Object](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/modify-an-object-nested-within-an-object)
15. [Access Property Names with Bracket Notation](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/access-property-names-with-bracket-notation)
16. [Use the delete Keyword to Remove Object Properties](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/use-the-delete-keyword-to-remove-object-properties)
17. [Check if an Object has a Property](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/check-if-an-object-has-a-property)
18. [Iterate Through the Keys of an Object with a for...in Statement](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/iterate-through-the-keys-of-an-object-with-a-for---in-statement)
19. [Generate an Array of All Object Keys with Object.keys()](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/generate-an-array-of-all-object-keys-with-object-keys)
20. [Modify an Array Stored in an Object](https://www.freecodecamp.org/learn/javascript-algorithms-and-data-structures/basic-data-structures/modify-an-array-stored-in-an-object)

80% PASSED