

JavaScript Test Reference Sheet

This is a quick guide to common JavaScript methods. It's not exhaustive, but it covers functions that are often used with arrays, strings, and objects.

Array Methods

- `push()`: Adds one or more elements to the **end** of an array and returns the new length.
- `pop()`: Removes the **last** element from an array and returns that element.
- `shift()`: Removes the **first** element from an array and returns that element.
- `unshift()`: Adds one or more elements to the **beginning** of an array and returns the new length.
- `length`: A property (not a method) that returns the number of elements in an array.
- `[index]`: The syntax used to access an element at a specific position (e.g., `myArray[0]` for the first element).

String Methods

- `length`: A property that returns the number of characters in a string.
- `[index]`: The syntax used to access a character at a specific position (e.g., `myString[0]` for the first character).
- `split()`: Divides a string into an array of substrings. It takes a **separator** as an argument (e.g., `myString.split(',')` will split the string at every comma).
- `join()`: Joins all elements of an array into a single string. It takes a **separator** as an argument (e.g., `myArray.join('-')` will join the elements with a hyphen).
- `charAt(index)`: Returns the character at the specified index.
- `includes()`: Determines whether a string contains the characters of a specified string. Returns `true` or `false`.
- `toLowerCase()` / `toUpperCase()`: Converts a string to all lowercase or uppercase letters.

Object & General Methods

- `Object.keys()`: Returns an array of a given object's own **property names**.
- `Object.values()`: Returns an array of a given object's own **property values**.