JavaScript Array Methods Notes

Overview

• Array Methods: Manipulate arrays by adding, removing, or copying elements.

Methods

- shift(): Removes the first element.
 - Example: pets.shift(); removes "dog" from ["dog", "cat", "bird"],
 leaving ["cat", "bird"].
- unshift(): Adds elements to the beginning.
 - Example: pets.unshift("fish", "ferret"); adds "fish", "ferret" to start.
- splice(): Inserts and/or removes elements at a specific index.
 - Syntax: array.splice(start, deleteCount, item1, item2, ...)
 - Example: pets.splice(2, 2, "pig", "duck", "emu"); (from ["dog", "cat",
 "fly", "bug", "ox"], removes "fly", "bug", adds "pig", "duck", "emu",
 results in ["dog", "cat", "pig", "duck", "emu", "ox"]).
 - Add without removing: pets.splice(2, 0, "pig", "duck");.
 - Remove without adding: pets.splice(3, 2); removes "bug", "ox".
- slice(): Copies elements to a new array, leaving original unchanged.
 - Syntax: array.slice(start, end) (copies from start to end-1).

Key Points

- splice: First number is start index; second is number of elements to remove.
- slice: Second number is index after the last element to copy.
- Assign slice results to a new array; original array remains unchanged.