

Summary of JavaScript Do...While Loops

This document compares `do...while` and `while` loops in JavaScript, focusing on their structure and behavior:

1. **While Loop Structure:** A `while` loop starts with a counter declaration (e.g., `var i = 0`), followed by a condition in parentheses (`i < 3`), the loop body with executable statements, and a counter update (`i++`) inside the body. If the condition is false initially, the body may not execute.
2. **Do...While Loop Structure:** A `do...while` loop begins with the `do` keyword, followed by the loop body (including counter update), and ends with the `while` condition and a semicolon. The body executes before the condition is checked.
3. **Key Differences:**
 - `do...while` uses `do` to start and places the `while` condition after the loop body, ending with a semicolon.
 - A `do...while` loop guarantees at least one execution, even if the condition is false, unlike a `while` loop, which may skip execution.
4. **Example:** A `while` loop with `i < 0` and `i = 0` never executes, but a `do...while` loop with the same condition runs once before checking the condition.