JavaScript Number Variables Notes

Overview

- Number Variables: Assign numbers to variables: var weight = 150;
- No quotes for numbers; quotes make it a string (e.g., "150" is not a number).
- Math Operations: Use variables in calculations: weight + 25 evaluates to 175 if weight = 150;.

Key Rules

- Numbers without quotes are not variables; numbers cant start variable names (e.g., var 1st = 150; is invalid).
- Strings (quoted numbers) cant be used for math (e.g., "23" + 7 doesnt equal 30).
- Variables can hold numbers or strings, and their type can change: var num = 23; num = "text";

Calculations

- Use variables in expressions: var newNum = originalNum + numToBeAdded;
- Update a variable using itself: originalNum = originalNum + 10;
- Mix variables and literal numbers: var newNumber = originalNumber + 2;

Variable Naming

- Numbers allowed in names if not first: var prezWhoCame 1st = "Washington";
- Variable names dont denote type (number or string).

Alerts

- Numbers or number variables in alert() are auto-converted to strings for display:
- Example: alert(144); or var caseQty = 144; alert(caseQty);