

JavaScript if Statements Notes

Overview

- **if Statements:** Execute code if a condition is true.
- Example: `if (x === "Vatican") { alert("Correct!"); } (displays alert if x is "Vatican").`

Syntax

- Start with `if`, space, condition in parentheses: `if (condition)`.
- Use `===` for equality (not `=` for assignment).
- Code block in curly brackets `{}`; no semicolon after closing bracket.

Key Points

- **Style:** Space after `if` (unlike `alert`); always use `{}`; prefer `===` over `==`.
- Test variables or strings: `var correctAnswer = "Vatican"; if (x === correctAnswer) { alert("Correct!"); }.`
- Multiple statements: `if (x === correctAnswer) { score++; alert("Correct!"); }.`
- Use with `prompt`: `var x = prompt("Where does the Pope live?");.`

Style

- Always use curly brackets for consistency.
- Use `===` for equality to avoid technical differences with `==`.