

Lesson

Weekend

Introduction to Programming

(/introduction-to-programming)

/ JavaScript and Web Browsers

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/ Assignment, Comparison, and Equality Operators

Text

Cheat sheet

Terminology

- **Boolean:** `true` and `false` are booleans. They are not strings — they simply represent being true or false.
- **Assignment operator:** Changes the value of the variable on the left of the operator.
- **Comparison/relational operator:** Does not change any values, but returns a boolean (`true` or `false`) depending on whether the statement evaluates as true or false.

Commonly-Used Operators

Be aware of the difference between the `=` assignment operator and the `===` comparison operator.

Assignment Operators

- `=` assign variable on left of operator value on right of operator
- `+=` increase value of variable on left of operator by value on right of operator
- `-=` decrease value of variable on left of operator by value on right of operator
- `*=` multiply value of variable on left of operator by value on right of operator
- `/=` divide value of variable on left of operator by value on right of operator

Comparison Operators

- `===` is equal to
- `!==` is *not* equal to
- `>` is greater than
- `>=` is greater than or equal to
- `<` is less than
- `<=` is less than or equal to

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