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9 Clean Code Principles To Keep In Mind

- 1 - Meaningful Names: Name variables and functions to reveal their purpose, not just their value.
- 2 - One Function, One Responsibility: Functions should do one thing.
- 3 - Avoid Magic Numbers: Replace hard-code values with named constants to give them meaning.
- 4 - Use Descriptive Booleans: Boolean names should state a condition, not just its value.
- 5 - Keep Code DRY: Duplicate code means duplicate bugs. Try and reuse logic where it makes sense.
- 6 - Avoid Deep Nesting: Flatten your code flow to improve clarity and reduce cognitive load.
- 7 - Comment Why, Not What: Explain the intention behind your code, not the obvious mechanics.
- 8 - Limit Function Arguments: Too many parameters confuse. Group related data into objects.
- 9 - Code Should Be Self-Explanatory: Well-written code needs fewer comments because it reads like a story.

Over to you: Which other clean code principle will you add to the list?

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9 Clean Code Tips To Keep In Mind

Meaningful Names

✗ BAD

✓ GOOD

Names should reveal intent

One Function One Responsibility

Functions should do one thing

Avoid Magic Numbers

✗ BAD

✓ GOOD

Make constants explicit

Use Descriptive Booleans

Code should read like language

Keep Code DRY

Duplicate logic = duplicated bugs

Avoid Deep Nesting

✗ BAD

✓ GOOD

Flatten logic for clarity

Comment Why, Not What

✗ BAD

✓ GOOD

Focus on intent, not mechanics

Limit Function Arguments

✗ BAD

✓ GOOD

Group related data into objects

Self-explanatory Code

✗ BAD

✓ GOOD

If you need a comment to explain it, rename it