Clean Code in OOP

Clean Code Principles

Writing clean code is essential for maintaining and scaling software projects. This guide covers best practices for writing clean, maintainable object-oriented code.

Naming Conventions

1. Use intention-revealing names

2. Make meaningful distinctions

3. Use pronounceable names

4. Use searchable names

5. Avoid encodings

Class Design

1. Single Responsibility Principle

2. Keep classes small and focused

3. Maintain high cohesion

4. Use proper encapsulation

5. Favor composition over inheritance

Method Design

1. Keep methods small

2. Do one thing

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3. Use descriptive names

4. Minimize parameters

5. Avoid side effects