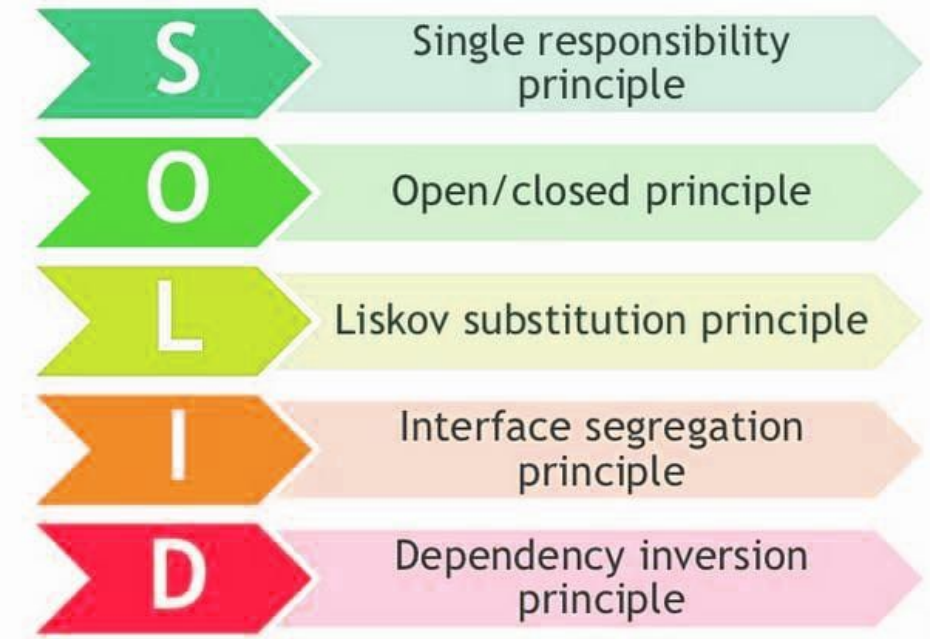
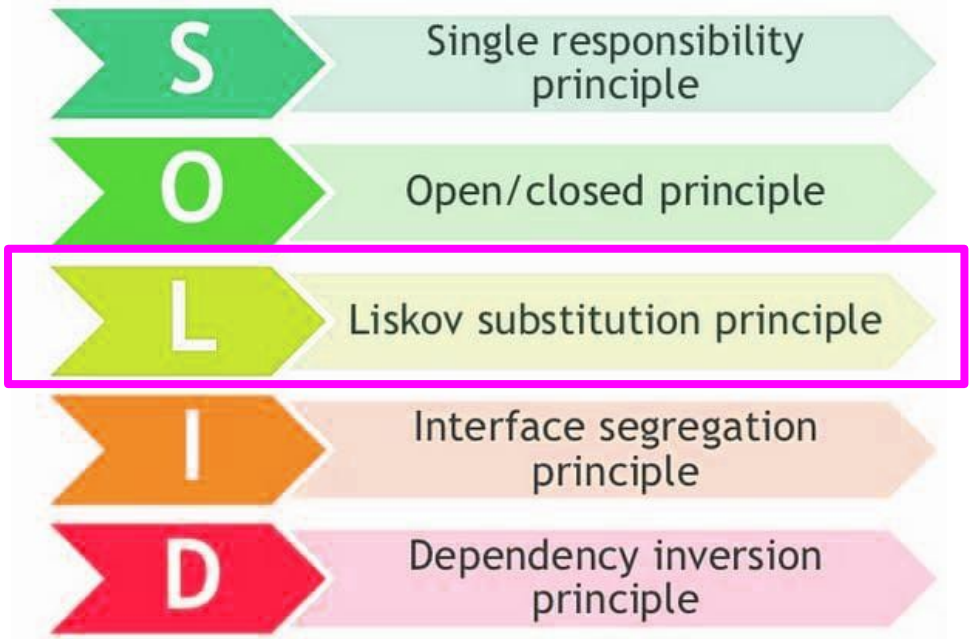
SOLID principles



SOLID principles



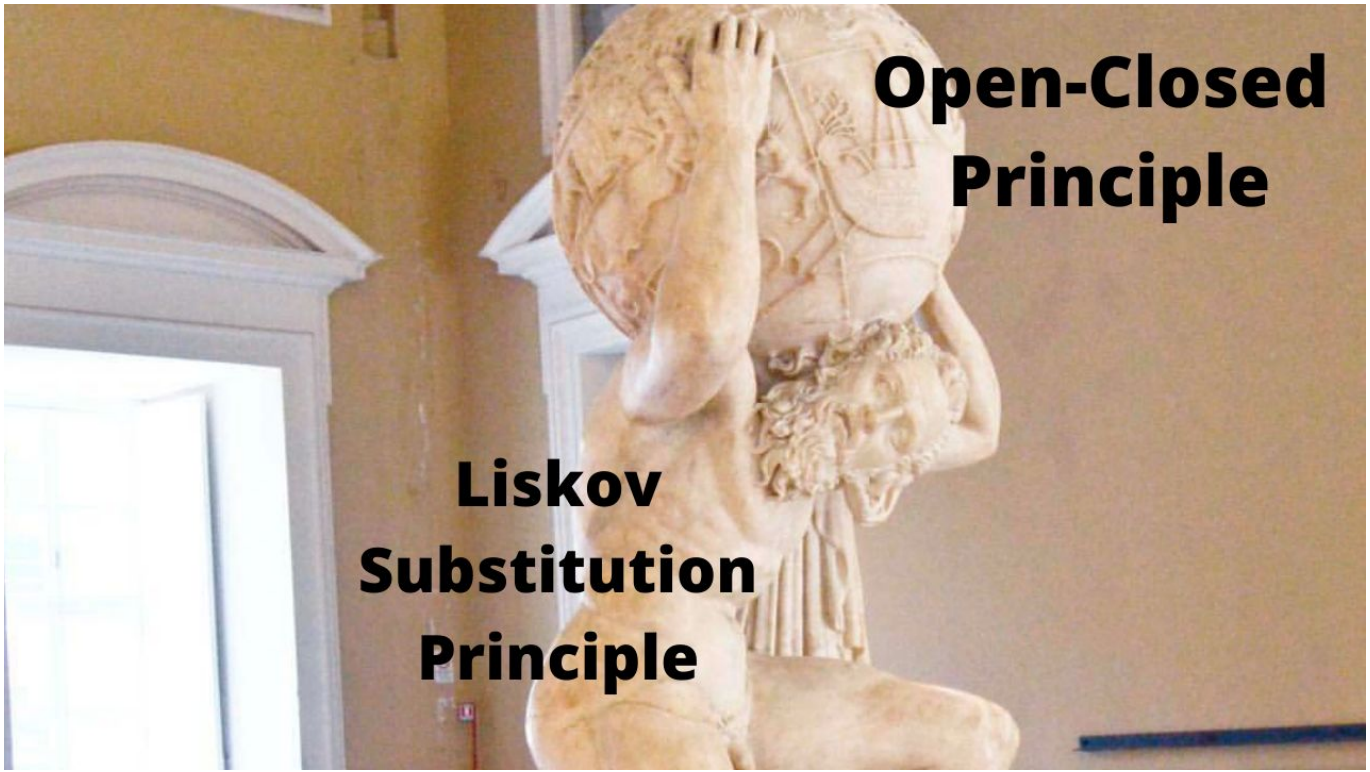
If S is a subtype of T, then objects of type T may be replaced by objects of type S, without disrupting the program

LSP benefits

- Client code can use any subtypes of a class interchangeably
- Client is isolated from the class hierarchy of the objects it uses

LSP violation problems

- Client depends on concrete implementations
- If a subtype changes, client must be changed


Open-Closed
Principle
Liskov
Substitution
Principle

Spotting LSP violations

- Do subtypes’ methods have different signatures?
- Do subtypes’ methods have different argument types?