



Cohesion

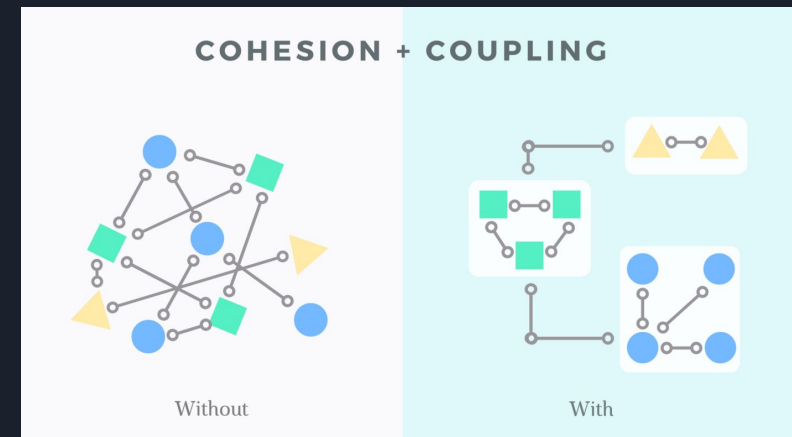
By Tower Defense

Agenda

- Definition
- High and Low Cohesion
- Measuring
- Live Demonstration
- Software

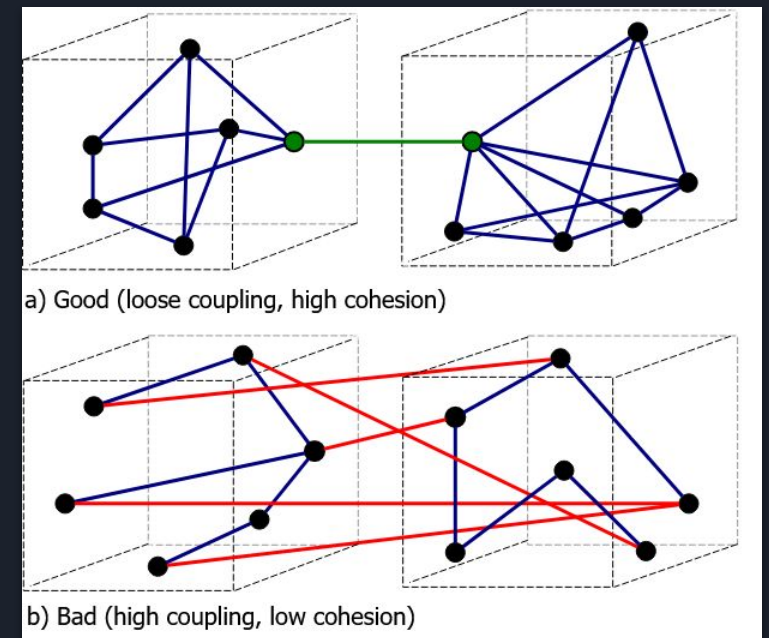
Definition

- Cohesion refers to the degree to which elements within a module work together to fulfill a single, well-defined purpose.
- High cohesion means that elements are closely related and focused on a single purpose, while low cohesion means that elements are loosely related and serve multiple purposes.



High and Low Cohesion

- High cohesion is preferable, because it is associated with several desirable traits of software including robustness, reliability, reusability, and understandability.
- In contrast, low cohesion is associated with undesirable traits such as being difficult to maintain, test, reuse, or even understand.



Measuring

- Logical Flow
- Consistency
- Clarity and Understanding
- Connection and Relevance
- Contextual Appropriateness



Software

- Tools like SonarQube, ESLint, and Pylint analyze source code
- Identify potential issues and enforce coding standards
- They can flag potential code, like duplicated code or inconsistent naming conventions

Thanks for listening