

Static Code Analysis





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Static Code Analysis

Static code (or program) analysis is the analysis of computer software that is performed without actually executing programs.

- Identification of coding errors
- Individuation of duplicated code
- Computation of software metrics
- Formal methods (e.g., Hoare logic, Model Checking)



Automated Tools

Automated tools that perform static code analysis can identify issues that reduce code readability, maintainability, quality.

- IDE code inspection functionalities (e.g., IntelliJ Idea)
- SonarQube



