

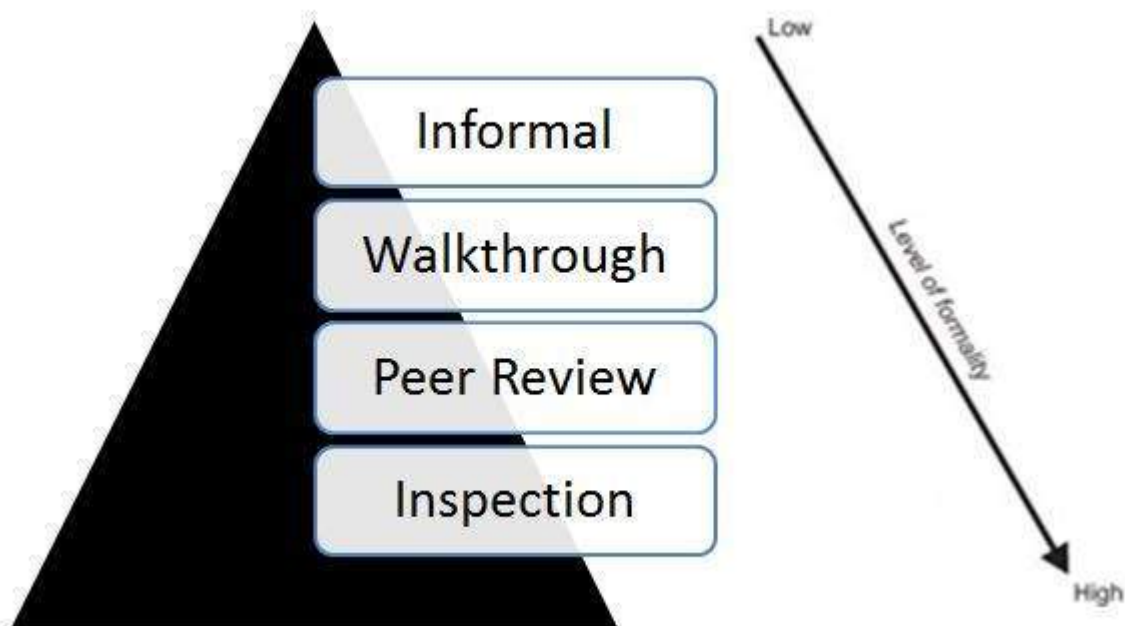
What is Static Testing?

Static Testing, a software testing technique in which the software is tested without executing the code. It has two parts as listed below:

- Review - Typically used to find and eliminate errors or ambiguities in documents such as requirements, design, test cases, etc.
- Static analysis - The code written by developers are analysed *usually by tools* for structural defects that may lead to defects.

Types of Reviews:

The types of reviews can be given by a simple diagram:



Static Analysis - By Tools:

Following are the types of defects found by the tools during static analysis:

- A variable with an undefined value
- Inconsistent interface between modules and components
- Variables that are declared but never used
- Unreachable code *or* Dead Code
- Programming standards violations
- Security vulnerabilities
- Syntax violations