

# Introduction

Static analysis, also called static code analysis, is a method of computer program [debugging](#) that is done by examining the [code](#) without [executing](#) the program.

The process provides an understanding of the code structure and can help ensure that the code adheres to industry standards.

<https://www.techtarget.com/whatis/definition/static-analysis-static-code-analysis>

Static analysis is generally good at finding coding issues such as:

- Programming errors
- Coding standard violations
- Undefined values
- syntax violations
- Security vulnerabilities

<https://blog.codacy.com/java-static-code-analysis-tools>

<https://www.baeldung.com/checkstyle-java>