SonarQube

What is testing?

Testing is a method to determine and find out issues in the code. It could be logical or syntactical or coding standard errors.

Types of testing:

* Black box testing
* White box testing
* Grey box testing
* Unit testing
* Integration testing
* System testing
* Acceptance testing
* Static testing
* Dynamic testing

Static Testing:

* Usually done to find out errors in the development stage itself.
* Detects overcomplexity in code
* Finds security errors
* Enforces best coding practices
* Automated & integrates in Jenkins
* Can create project specific rules

What is SonarQube?

It’s a static testing analysis tool. It is used to manage code quality and consistency.

Some of the quality checks are:

* Potential bugs
* Code defects to design inefficiencies
* Code duplication
* Lack of test coverage
* Excess complexity

SonarQube Installation

