

Semester: V Name of StudentSoham Dalvi Academic Year: 2022-23 Student ID: 21104010

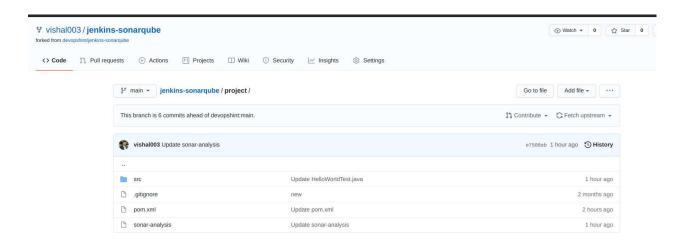
Class / Branch: TE IT

Subject: Advanced Devops Lab (ADL) Name of Instructor: Prof. Manjusha K.

### **EXPERIMENT NO. 08**

Aim: Create a Jenkins CICD Pipeline with SonarQube / GitLab Integration to perform a static analysis of the code to detect bugs, code smells, and security vulnerabilities on a sample Java application.

### **Screenshots:**



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₽º m	ain ▼ jenkins-sonarqube / project / sr	c/
This branch is 6 commits ahead of devopshint:main.		
vishal003 Update HelloWorldTest.java		
Dia t	main/java	Update HelloWorld.java
b t	est/java	Update HelloWorldTest.java

### Enter an item name

SonarQube.

» Required field



#### Freestyle project

This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.



#### Pipeline

Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.



### Multi-configuration project

Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.



### Bitbucket Team/Project

Scans a Bitbucket Cloud Team (or Bitbucket Server Project) for all repositories matching some defined markers.

Folder

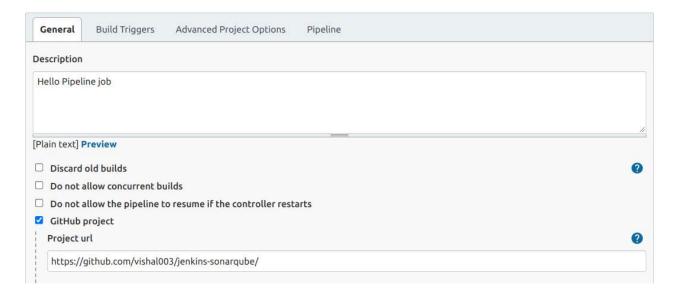
container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder separate namespace, so you can have multiple things of the same name as long as they are in different folders.



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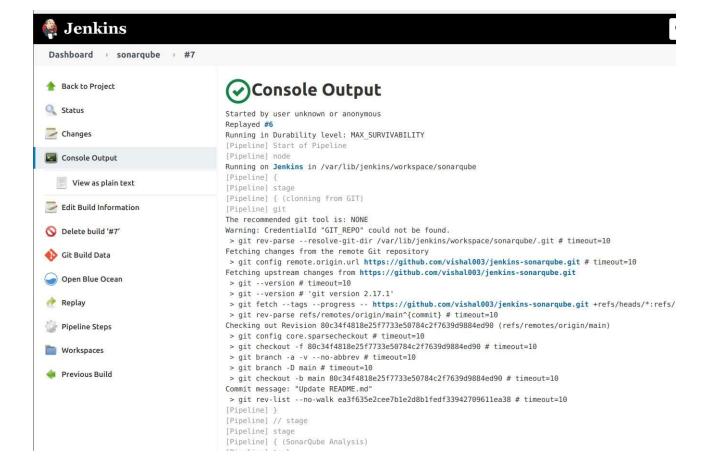


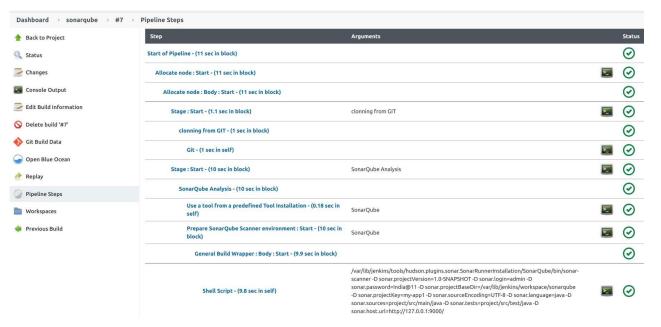


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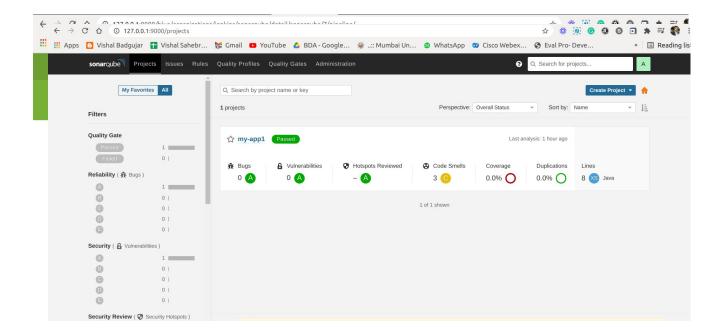


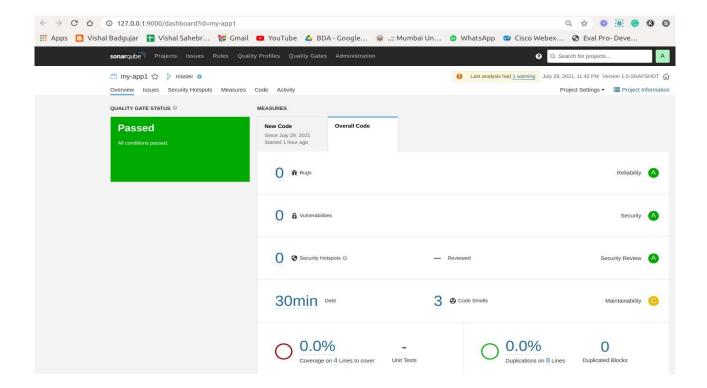


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Conclusion: Hence we have studied about who create a Jenkins CICD Pipeline with SonarQube / GitLab Integration to perform a static analysis of the code to detect bugs, code smells, and security vulnerabilities on a sample Java application.



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