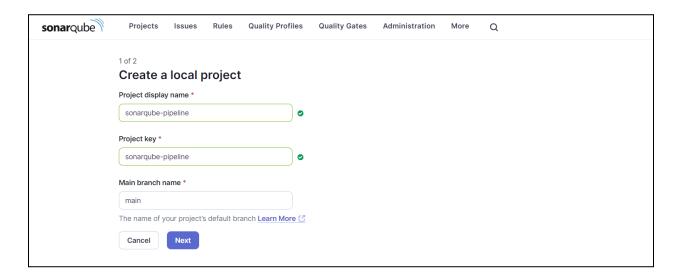
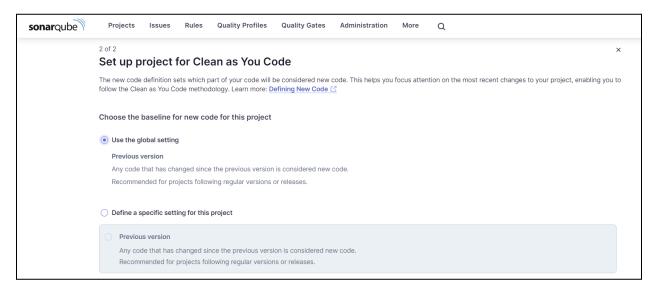
Experiment 8

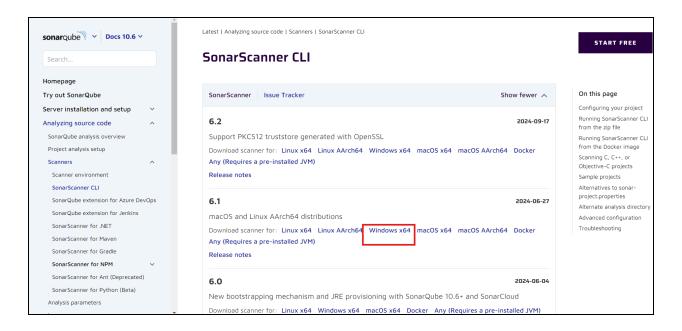
Aim: Create a Jenkins CICD Pipeline with SonarQube / GitLab Integration to perform a static analysis of the code to detect bugs, code smells, and security vulnerabilities on a sample Web / Java / Python application.

Step 1: Log in to sonarqube portal and create a local project.

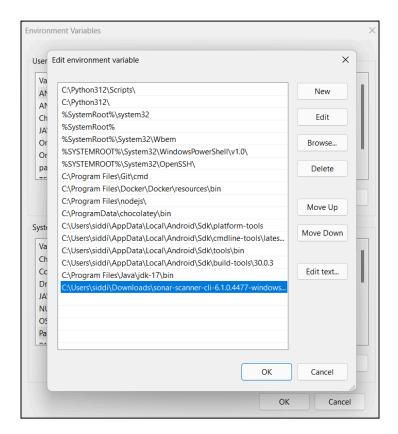




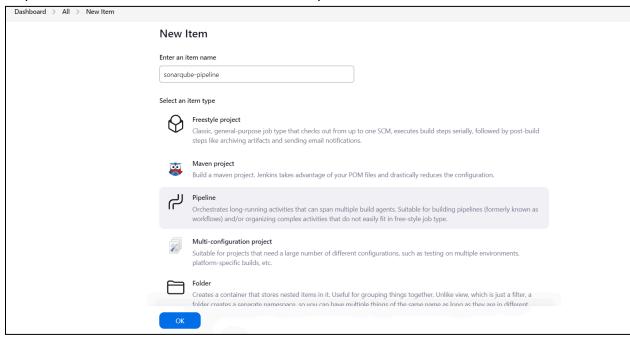
Step 2: Go to download sonar scanner to download sonar scanner

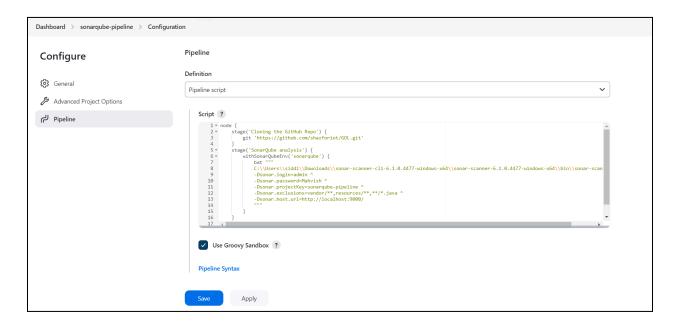


After the download is complete, extract the file and copy the path to bin folder Go to environment variables, system variables and click on path Add a new path, paste the path copied earlier.

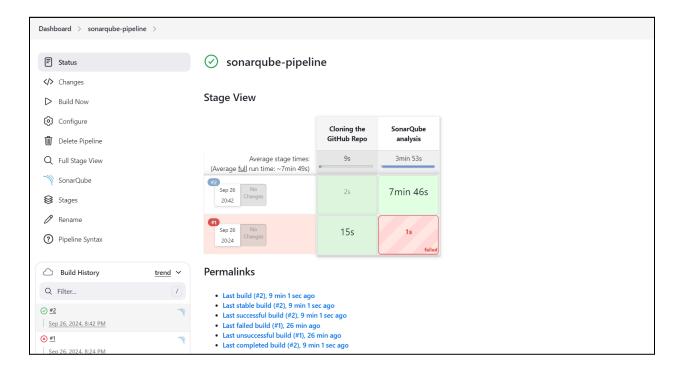


Step 3: Create a New Item in Jenkins, choose Pipeline.





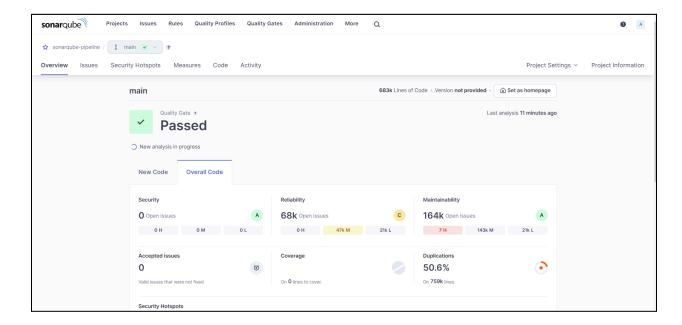
Step 4: Save the pipeline and build it.



Console output:



Step 5: After that, check the project in SonarQube



Under different tabs, check all different issues with the code.

