Aim: Installing SonarQube from the Docker Image.

$ docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000

Sonarqube:latest

```
Microsoft Windows [Version 10.0.22631.4169]
(c) Microsoft Corporation. All rights reserved.

C:\Users\chang>docker run -d --name sonarqube -e SONAR_ES_BOOTSTRAP_CHECKS_DISABLE=true -p 9000:9000 sonarqube:latest
Unable to find image 'sonarqube:latest' locally
latest: Pulling from library/sonarqube
7478e0ac0f23: Pull complete
90a925ab929a: Pull complete
7d9a34308537: Pull complete
80338217a4ab: Pull complete
1a5fd5c7e184: Pull complete
7b87d6fa783d: Pull complete
bd819c9b5ead: Pull complete
4f4fb700ef54: Pull complete
Digest: sha256:72e9feec71242af83faf65f95a40d5e3bb2822a6c3b2cda8568790f3d31aecde
Status: Downloaded newer image for sonarqube:latest
e57ee8abc6ba294857f13beb156652f5631703c15544d42ca3101a640691d496
```
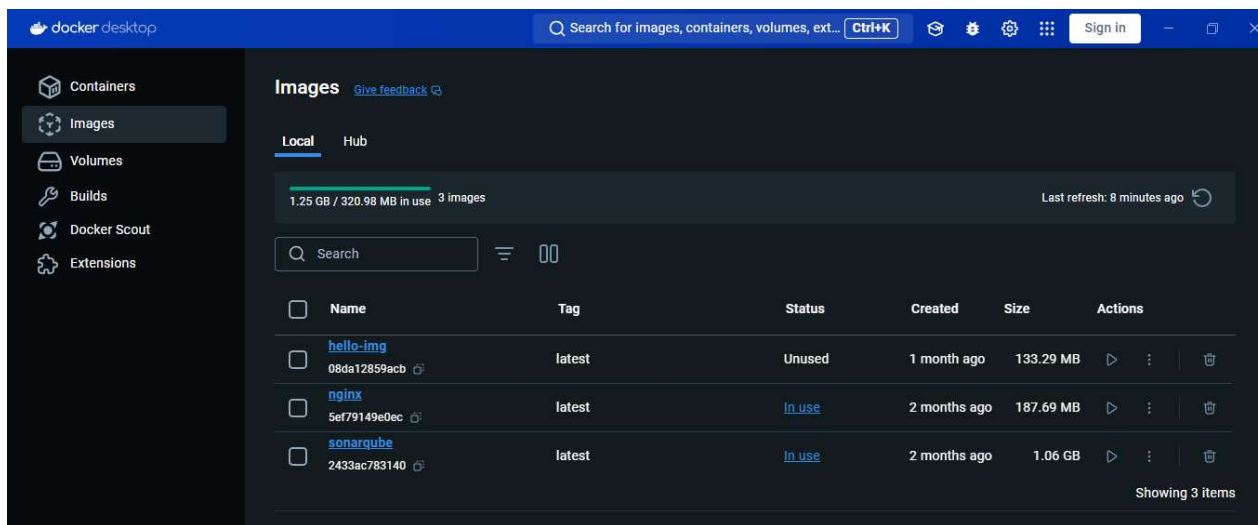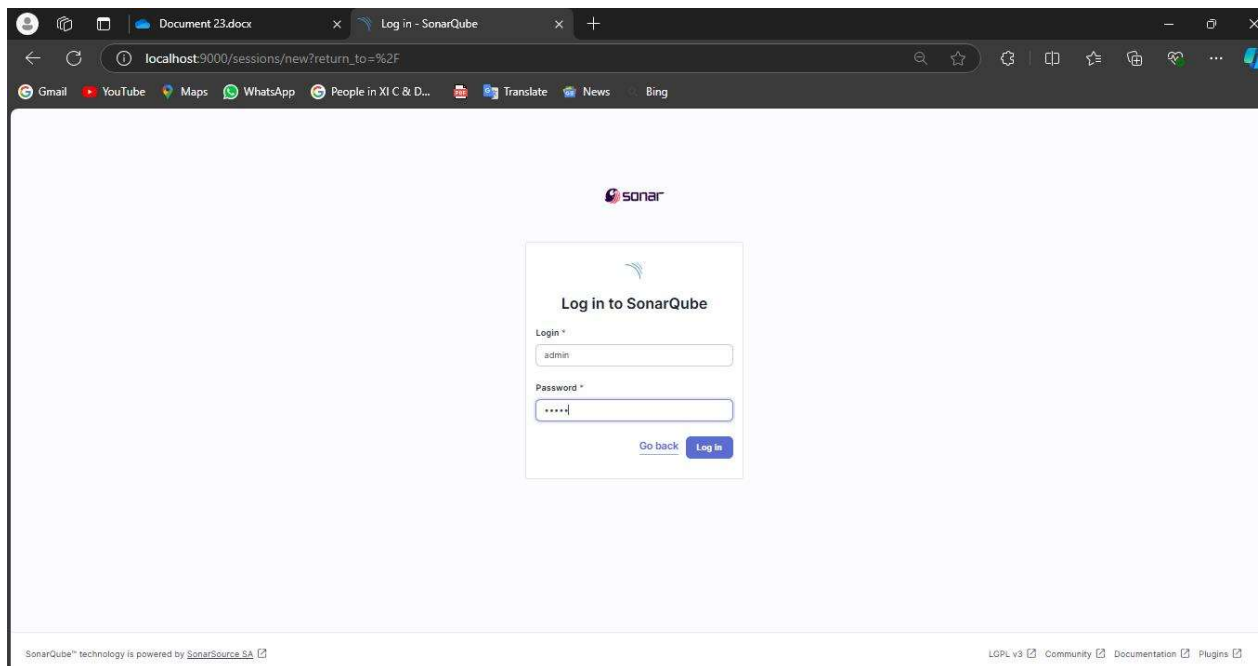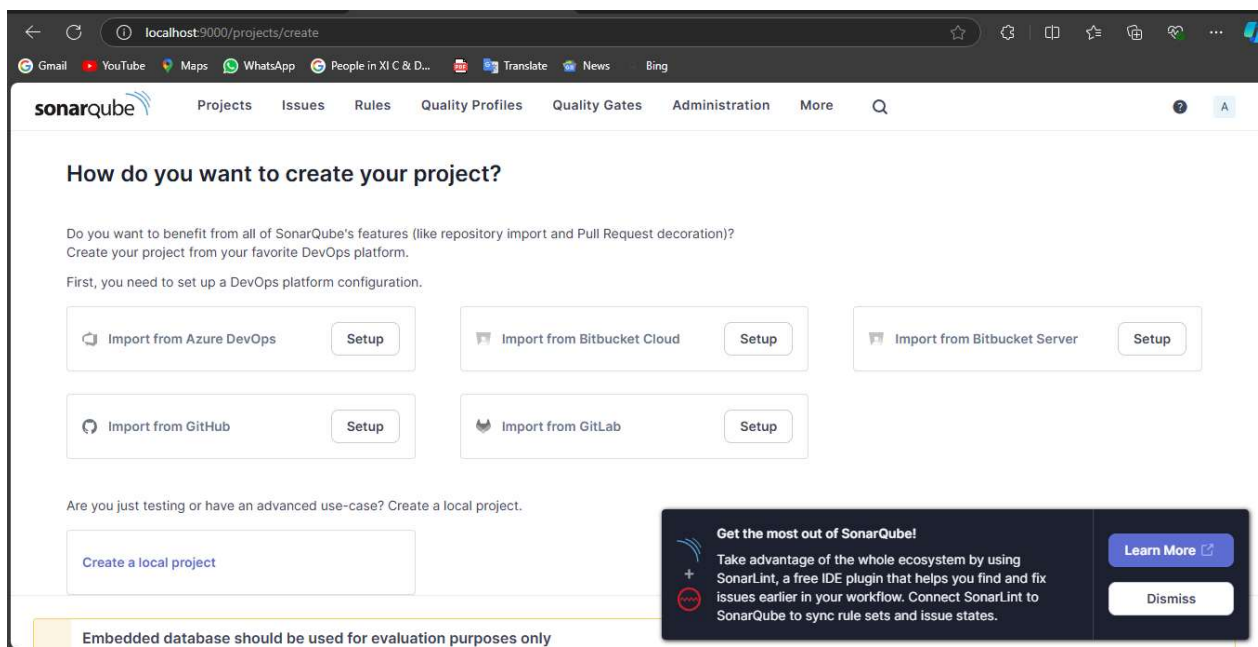

go to the SonarQube page by typing:

http://localhost:9000/ on your browser.

Installation is successful if you see this page

Update New Password

Create project manually:

open Jenkins

Go to Dashboard ->Manage Jenkins -> Plugin Manager and search for

SonarQube Scanner under Available plugins for Jenkins and install without restart
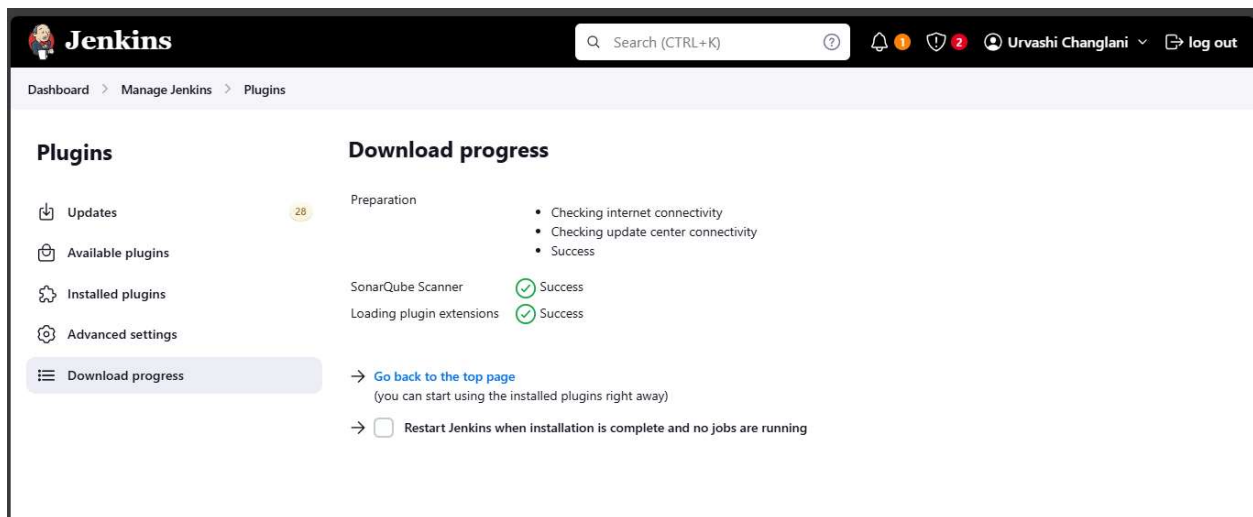
Under Jenkins ,

Dashboard -> Manage Jenkins -> Configure System ,

Look for SonarQube Servers and enter the details. Enter the Server Authentication Token if needed.
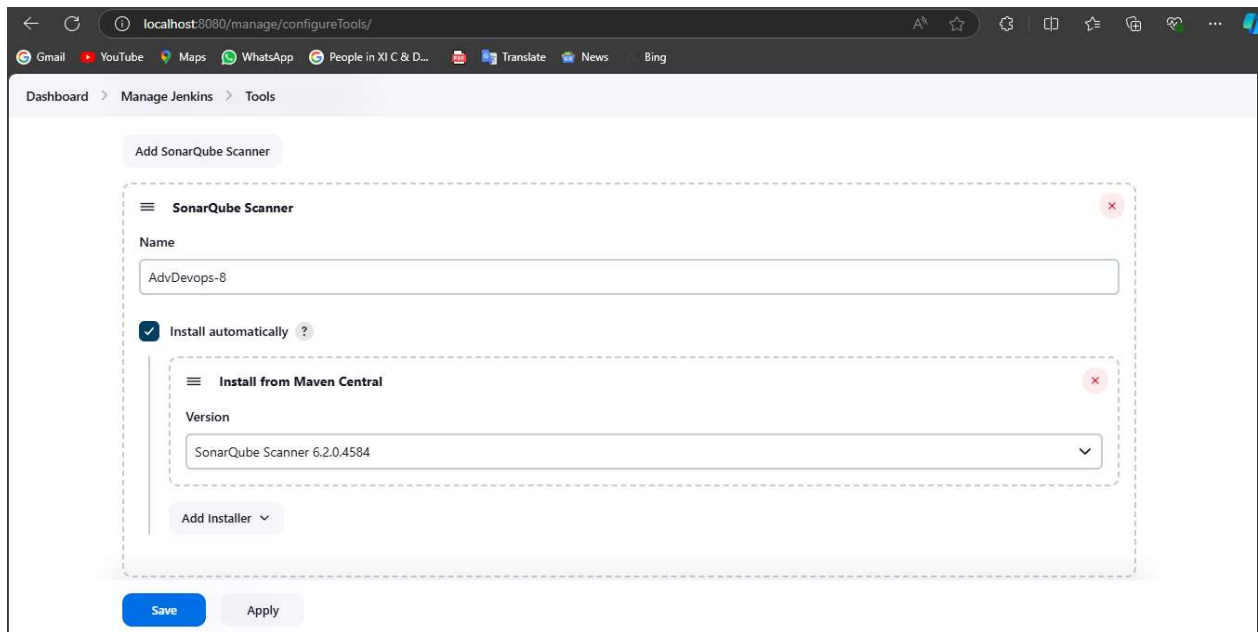
Create New Item in jenkins , choose freestyle project.
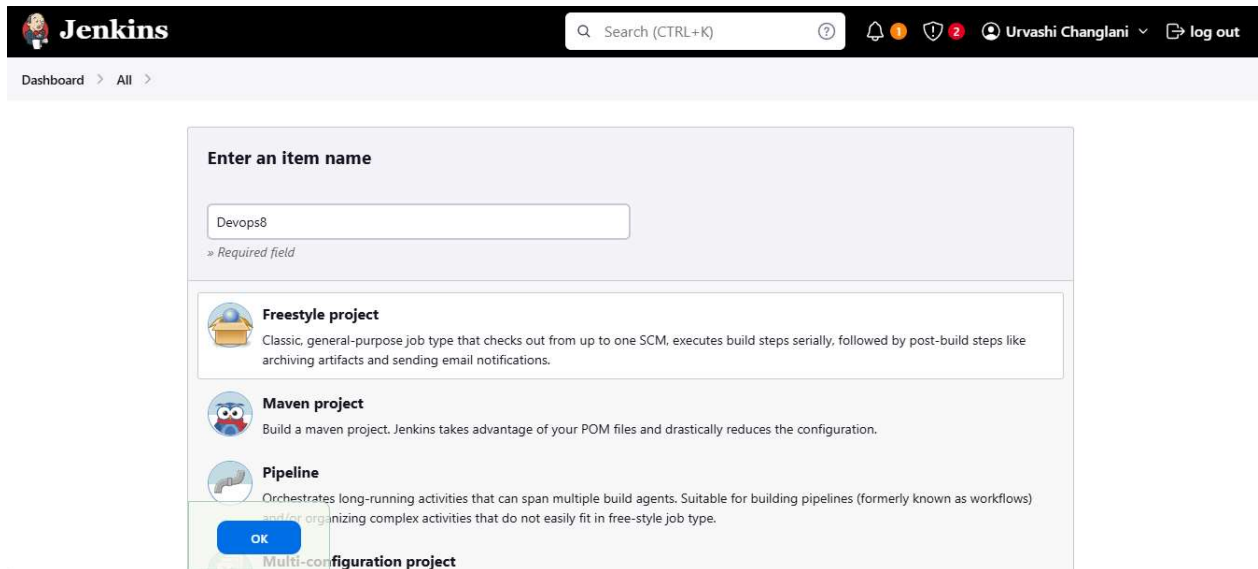
Configure

- ⚙ General
- ⑂ **Source Code Management**
- 🕘 Build Triggers
- 🌐 Build Environment
- ☰ Build Steps
- 📦 Post-build Actions

⦿ Git ?

Repositories ?

Repository URL ? ✕

https://github.com/shazforiot/MSBuild_firstproject.git

Credentials ?

- none - ⌄

+ Add ▾

Advanced ⌄

Add Repository

Branches to build ?

Save Apply

Configure

- ⚙ General
- ⑂ Source Code Management
- 🕘 Build Triggers
- 🌐 Build Environment
- ☰ **Build Steps**
- 📦 Post-build Actions

☰ **Execute SonarQube Scanner** ✕

JDK ?

JDK to be used for this SonarQube analysis

(Inherit From Job) ⌄

Path to project properties ?

Analysis properties ?

```
sonar.projectKey=AdvDevops-8
sonar.login=admin
sonar.password=uru3010
sonar.hosturl=http://localhost:9000/
```

Additional arguments ?

⌄

Save Apply

☆ AdvDevops-8 / ↕ main ⌄ ?

Overview   Issues   Security Hotspots   Measures   Code   Activity   Project Settings ⌄   Project Information

System administrators

sonar-users
Every authenticated user automatically belongs to this group   ☑   ☑   ☐   ☐

Anyone `DEPRECATED`
Anybody who browses the application belongs to this group. If authentication is not
enforced, assigned permissions also apply to non-authenticated users.   ☐   ☐   ☐   ☐

A   **Administrator** admin   ☐   ☐   ☐   ☑

4 of 4 shown

⚠ **Embedded database should be used for evaluation purposes only**
The embedded database will not scale, it will not support upgrading to newer versions of SonarQube, and there is no support for migrating your data out of it into a different database

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Dashboard > AdDevopsLab7 > #1 > Console Output

✓ **Console Output**

```
Started by user Prajakta Upadhye
Running as SYSTEM
Building on the built-in node in workspace C:\ProgramData\Jenkins\.jenkins\workspace\AdDevopsLab7
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/PrajaktaUpadhye6/MSBuild_firstproject.git
 > git.exe init C:\ProgramData\Jenkins\.jenkins\workspace\AdDevopsLab7 # timeout=10
Fetching upstream changes from https://github.com/PrajaktaUpadhye6/MSBuild_firstproject.git
 > git.exe --version # timeout=10
 > git --version # 'git version 2.39.2.windows.1'
 > git.exe fetch --tags --force --progress -- https://github.com/PrajaktaUpadhye6/MSBuild_firstproject.git +refs/heads/*:refs/remotes/origin/* # timeout=10
 > git.exe config remote.origin.url https://github.com/PrajaktaUpadhye6/MSBuild_firstproject.git # timeout=10
 > git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
 > git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
Checking out Revision f2bc042c04c6e72427c380bcaee6d6fee7b49adf (refs/remotes/origin/master)
 > git.exe config core.sparsecheckout # timeout=10
 > git.exe checkout -f f2bc042c04c6e72427c380bcaee6d6fee7b49adf # timeout=10
Commit message: "updated"
First time build. Skipping changelog.
Unpacking https://repo1.maven.org/maven2/org/sonarsource/scanner/cli/sonar-scanner-cli/5.0.1.3006/sonar-scanner-cli-5.0.1.3006.zip to
C:\ProgramData\Jenkins\.jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\AdDevops on Jenkins
[AdDevopsLab7] $ C:\ProgramData\Jenkins\.jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\AdDevops\bin\sonar-scanner.bat -Dsonar.projectKey=AdDevops -Dsonar.login=admin -
Dsonar.hosturl=http://localhost:9000/ -Dsonar.password=abc -Dsonar.projectBaseDir=C:\ProgramData\Jenkins\.jenkins\workspace\AdDevopsLab7
INFO: Scanner configuration file: C:\ProgramData\Jenkins\.jenkins\tools\hudson.plugins.sonar.SonarRunnerInstallation\AdDevops\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: SonarScanner 5.0.1.3006
INFO: Java 16.0.2.1 Oracle Corporation (64-bit)
```

Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#1'
Git Build Data

☆ AdDevops ⇳ main ✓ ∨ ?   ⚠ The last analysis has warnings. See details   Version not provided ⌂

Overview   Issues   Security Hotspots   Measures   Code   Activity   Project Settings ∨   Project Information

Quality Gate Status ?

✓ Quality Gate
Passed

Enjoy your sparkling clean code!

Measures

[New Code | Overall Code]

🛡 Reliability
0 Bugs   Ⓐ

⊕ Maintainability
0 Code Smells   Ⓐ

🔒 Security
0 Vulnerabilities   Ⓐ

🛡 Security Review
0 Security Hotspots ?   Ⓐ

Duplications
0.0% Duplications
Duplications   ●

0 Duplicated Blocks