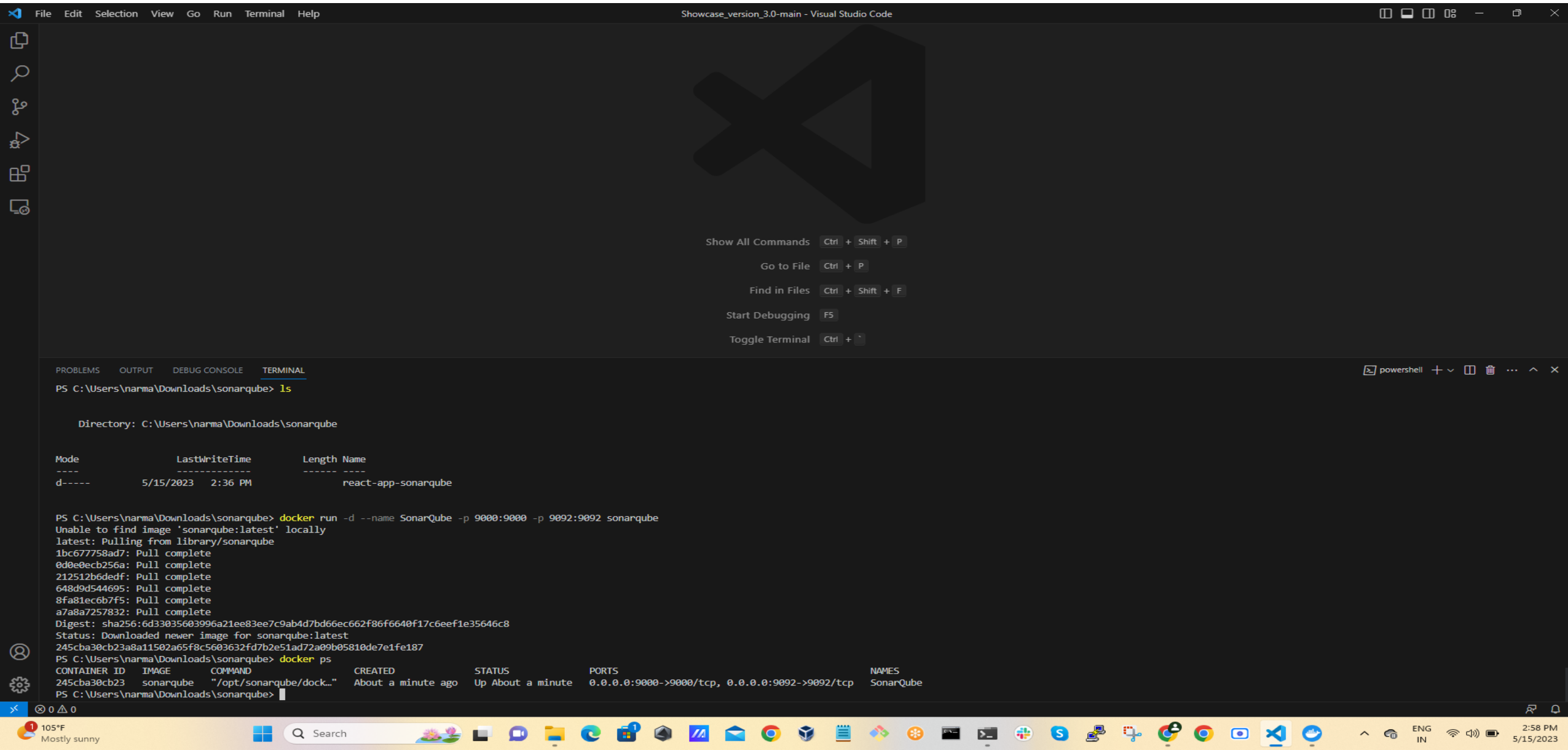


## Setup SonarQube for Javascript Application

The SonarQube logo is centered on a dark blue background. It features the word "sonarqube" in a white, lowercase, sans-serif font. To the right of the text is a stylized icon consisting of three concentric, curved lines in a light blue color, resembling a sonar wave or a signal. The background also contains faint, larger-scale patterns of similar curved lines and small, light blue circular motifs.

- 1.Clone the Code from Github or Directly upload from SonarQube
- 2.Run the SonarQube image through Docker



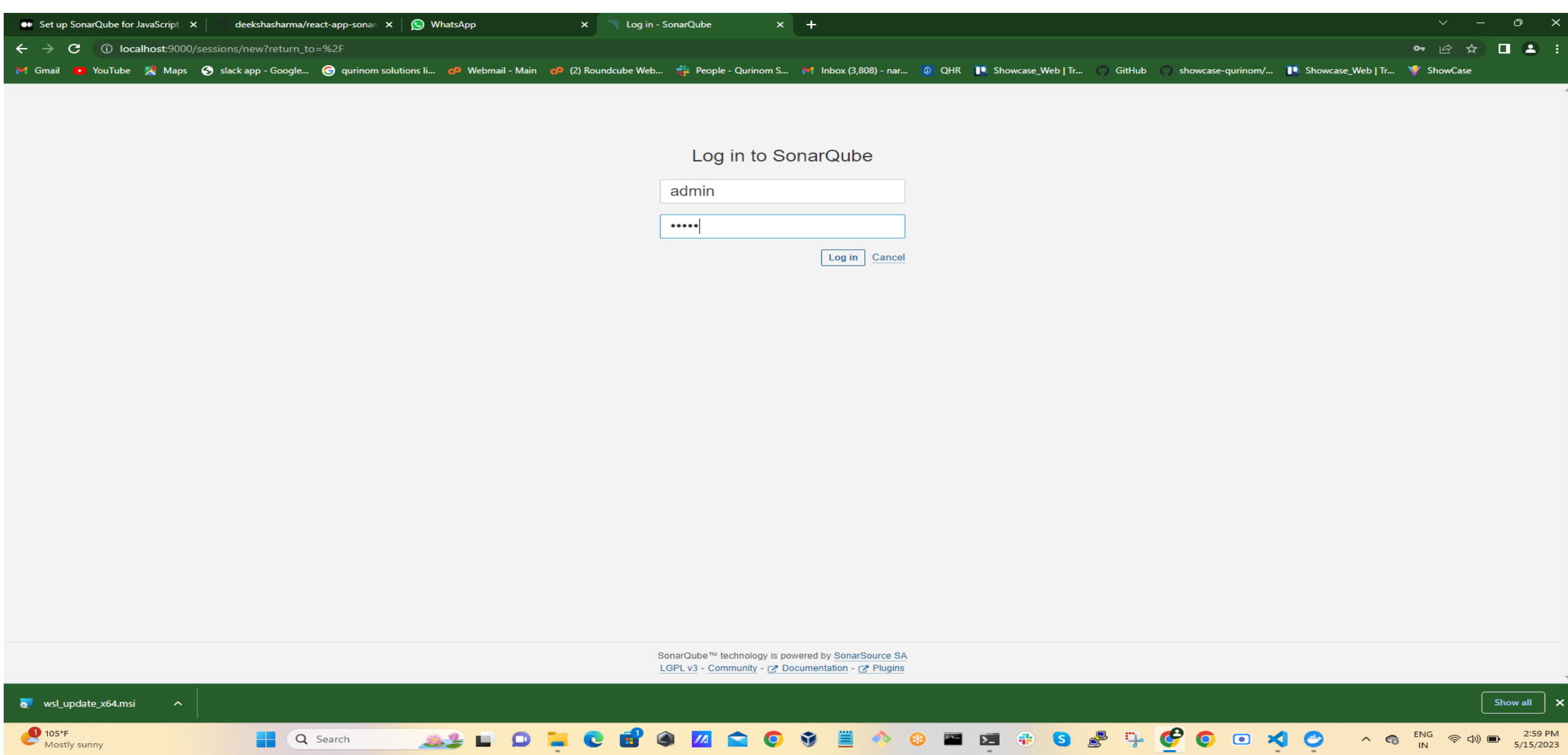
The screenshot shows the Visual Studio Code interface with the 'Showcase\_version\_3.0-main - Visual Studio Code' window. The terminal is open, showing the execution of the following command:

```
PS C:\Users\narma\Downloads\sonarqube> docker run -d --name SonarQube -p 9000:9000 -p 9092:9092 sonarqube
```

The output shows the container being pulled from the library and the status of the container. The container is named 'SonarQube' and is running on the 'sonarqube' image.

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
245cba30cb23	sonarqube	"/opt/sonarqube/dock..."	About a minute ago	Up About a minute	0.0.0.0:9000->9000/tcp, 0.0.0.0:9092->9092/tcp	SonarQube

3.To view the Admin UI for the SonarQube-server, hit this URL on the browser <http://localhost:9000>



SonarQube server is up and running. We need SonarQube scanner, an analyzer to perform static code scans on code base. At the end it sends the analysis to SonarQube server. You can download the SonarQube-Scanner for the appropriate OS

Set up SonarQube for JavaScript x | deekshasharma/react-app-sonar x | WhatsApp x | Update password - SonarQube x | +

localhost:9000/account/reset\_password

Gmail YouTube Maps slack app - Google... qurinom solutions li... Webmail - Main (2) Roundcube Web... People - Qurinom S... Inbox (3,808) - nar... QHR Showcase\_Web | Tr... GitHub showcase-qurinom/... Showcase\_Web | Tr... ShowCase

### Update your password

This account should not use the default password.

Enter a new password

All fields marked with \* are required

Old Password \*

\*\*\*\*\*

New Password \*

\*\*\*\*\*

Confirm Password \*

\*\*\*\*\*

Update

wsl\_update\_x64.msi Show all x

# Here we can upload project repo from github,gitlab,bitbucket,locally.....etc

Set up SonarQube for JavaScript | deekshasharma/react-app-sonar | WhatsApp | How do you want to create your project?

localhost:9000/projects/create

Gmail YouTube Maps slack app - Google... quirinom solutions li... Webmail - Main (2) Roundcube Web... People - Quirinom S... Inbox (3,808) - nar... QHR Showcase\_Web | Tr... GitHub showcase-quinom/... Showcase\_Web | Tr... ShowCase

sonarqube Projects Issues Rules Quality Profiles Quality Gates Administration

How do you want to create your project?

Do you want to benefit from all of SonarQube's features (like repository import and Pull Request decoration)? Create your project from your favorite DevOps platform. First, you need to set up a DevOps platform configuration.

**From Azure DevOps**  
Set up global configuration

**From Bitbucket Server**  
Set up global configuration

**From Bitbucket Cloud**  
Set up global configuration

**From GitHub**  
Set up global configuration

**From GitLab**  
Set up global configuration

Are you just testing or have an advanced use-case? Create a project manually.

**Manually**

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 another database.

SonarQube™ technology is powered by SonarSource SA  
Community Edition - Version 10.0 (build 68432) - [LGPL v3](#) - [Community](#) - [Documentation](#) - [Plugins](#) - [Web API](#)

**Get the most out of SonarQube!**  
Take advantage of the whole ecosystem by using SonarLint, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarLint to SonarQube to sync rule sets and issue states.  
[Learn More](#)  
Dismiss

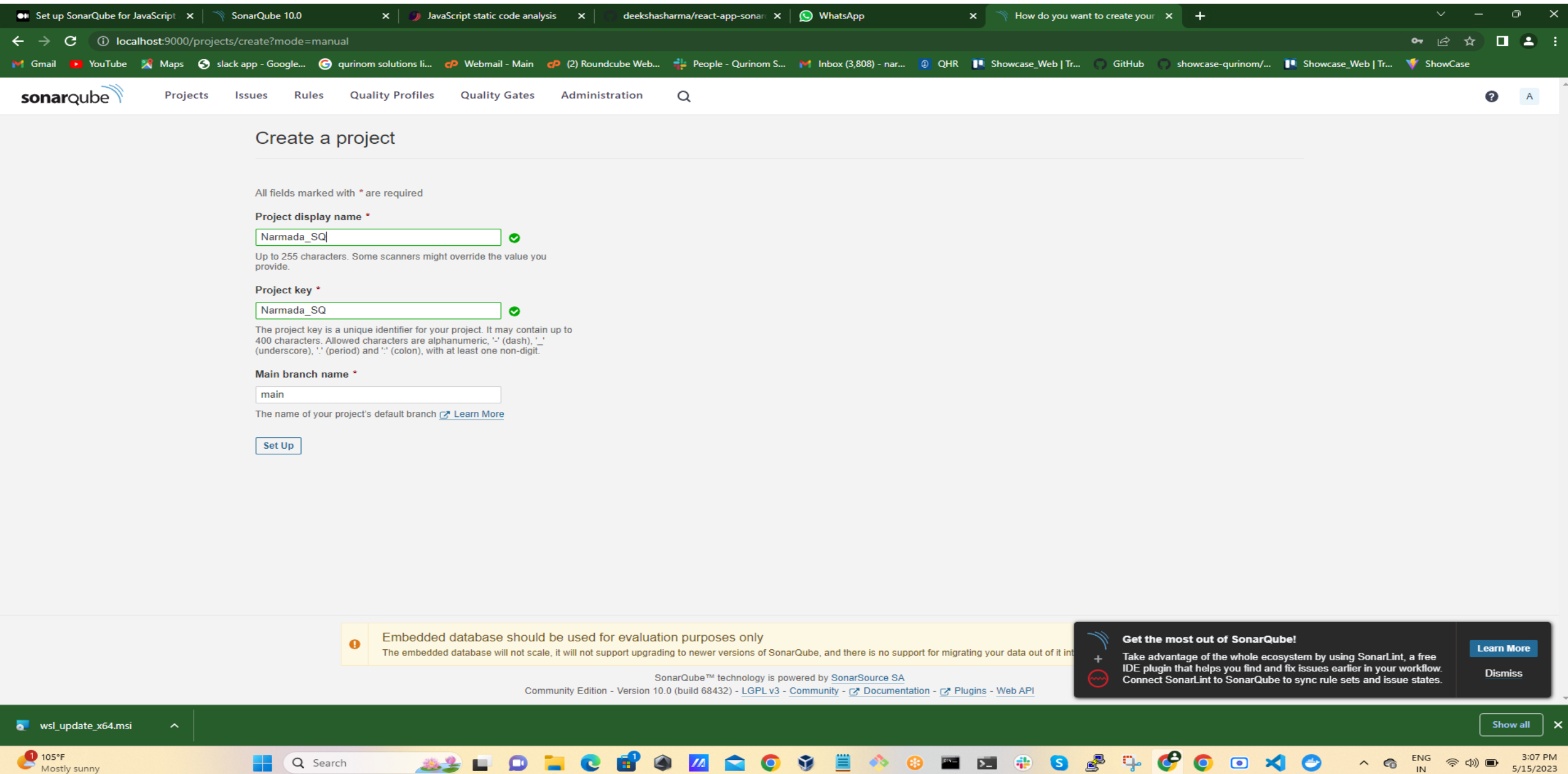
wsl\_update\_x64.msi

105°F Mostly sunny

Search

ENG IN 3:01 PM 5/15/2023

#### 4.Create new project in SonarQube Server





## Create Project: Narmada SQ

The image is a screenshot of a web browser displaying the SonarQube 10.0 dashboard. The browser's address bar shows the URL 'localhost:9000/dashboard?id=Narmada\_SQ&selectedTutorial=local'. The SonarQube interface includes a top navigation bar with links for Projects, Issues, Rules, Quality Profiles, Quality Gates, and Administration. Below this, the breadcrumb 'Narmada\_SQ / main' is visible. The main content area is titled 'Analyze your project' and contains a message: 'We initialized your project on SonarQube, now it's up to you to launch analyses!'. A step-by-step guide is shown, with the first step, '1 Provide a token', highlighted. This step displays a generated token 'Narmada\_SQ: sqp\_c822b807211fec717181fed838a5f6cae6f5e303' and a 'Continue' button. The second step, '2 Run analysis on your project', is currently inactive. At the bottom of the dashboard, a yellow warning banner states: 'Embedded database should be used for evaluation purposes only'. A dark overlay in the bottom right corner promotes 'SonarLint' as a free IDE plugin. The Windows taskbar at the very bottom shows the system clock at 3:09 PM on 5/15/2023, along with various application icons and a weather widget indicating 105°F and 'Mostly sunny'.



## 5.Download the SonaQube\_Scanner

Set up SonarQube for JavaScript

SonarQube 10.0

JavaScript static code analysis

deekshasharma/react-app-sonar

WhatsApp

Narmada\_SQ - Overview - Sonar

localhost:9000/dashboard?id=Narmada\_SQ&selectedTutorial=local

GmailYouTubeMapsslack app - Google...quinom solutions li...Webmail - Main(2) Roundcube Web...People - Quirinom S...Inbox (3,808) - nar...QHRShowcase\_Web | Tr...GitHubshowcase-quinom/...Showcase\_Web | Tr...ShowCase

sonarqube

ProjectsIssuesRulesQuality ProfilesQuality GatesAdministration

main

OverviewIssuesSecurity HotspotsMeasuresCodeActivity

Project SettingsProject Inform

2

Run analysis on your project

What option best describes your build?

MavenGradle.NETOther (for JS, TS, Go, Python, PHP, ...)

What is your OS?

LinuxWindowsmacOS

Download and unzip the Scanner for Windows

Visit the [official documentation of the Scanner](#) to download the latest version, and add the `bin` directory to the `%PATH%` environment variable

Execute the Scanner

Running a SonarQube analysis is straightforward. You just need to execute the following commands in your project's folder.

```
sonar-scanner.bat -D"sonar.projectKey=Narmada_SQ" -D"sonar.sources=." -D"sonar.host.url=http://localhost:9000" -D"sonar.token=sqp_c822b807211fec717181fed838a5f6cae6f5e303"
```

Please visit the [official documentation of the Scanner](#) for more details.

Is my analysis done? If your analysis is successful, this page will automatically refresh in a few moments.

You can set up Pull Request Decoration under the project settings. To set up analysis with your favorite CI tool, see the tutorials.

Check these useful links while you wait: [Branch Analysis](#), [Pull Request Analysis](#).

!

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 separate database.

SonarQube™ technology is powered by [SonarSource SA](#)

Community Edition - Version 10.0 (build 68432) - [LGPL v3](#) - [Community](#) - [Documentation](#) - [Plugins](#) - [Web API](#)

Get the most out of SonarQube!

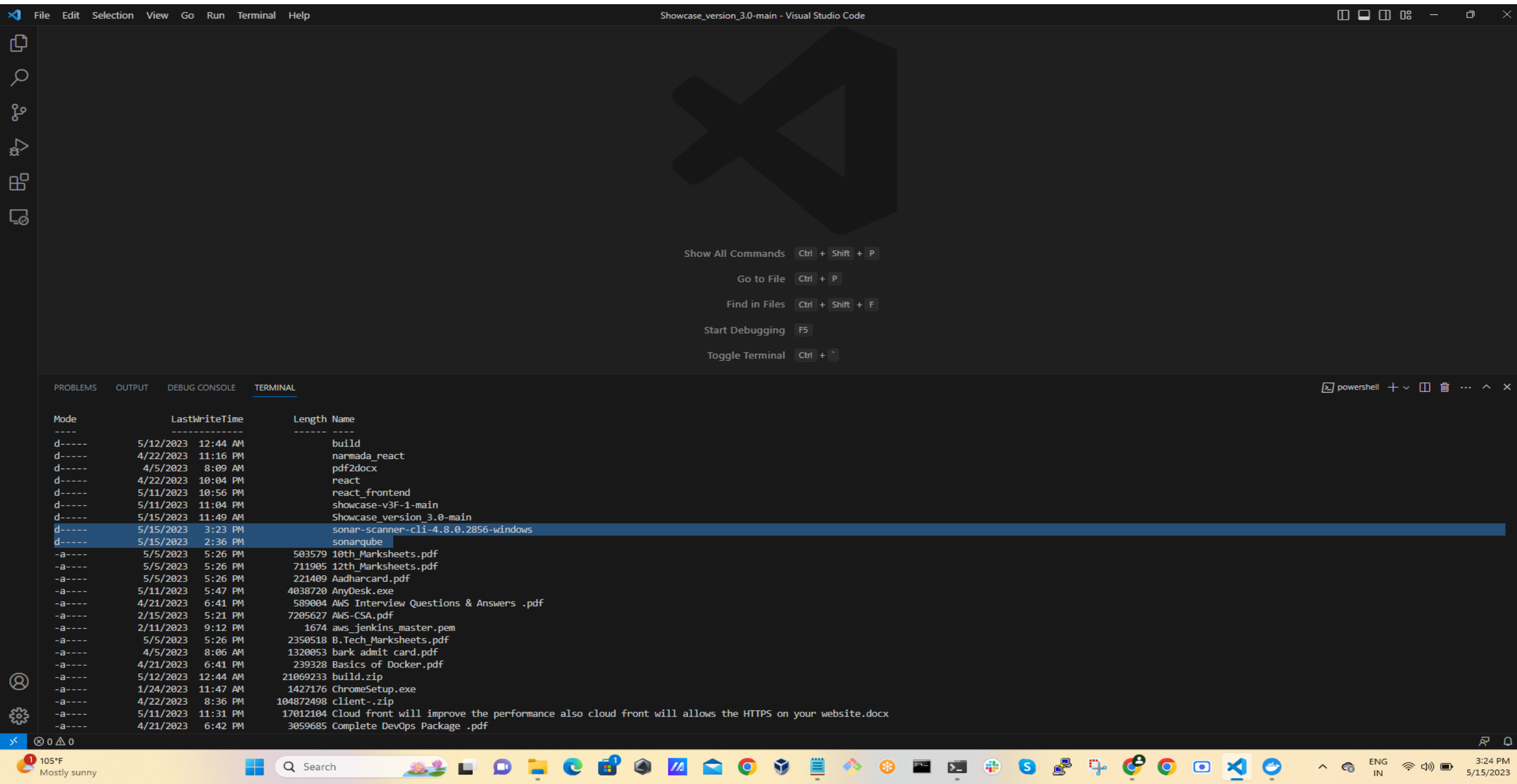
Take advantage of the whole ecosystem by using SonarLint, a free IDE plugin that helps you find and fix issues earlier in your workflow. Connect SonarLint to SonarQube to sync rule sets and issue states.

Learn

Dis

wsl\_update\_x64.msi

## 6.Extract the ScannerFile



The screenshot displays the Visual Studio Code editor interface. The Explorer sidebar on the left shows a file tree with the following items:

- Mode
- LastWriteTime
- Length
- Name
- 
- d----- 5/12/2023 12:44 AM build
- d----- 4/22/2023 11:16 PM narmada\_react
- d----- 4/5/2023 8:09 AM pdf2docx
- d----- 4/22/2023 10:04 PM react
- d----- 5/11/2023 10:56 PM react\_frontend
- d----- 5/11/2023 11:04 PM showcase-v3F-1-main
- d----- 5/15/2023 11:49 AM Showcase\_version\_3.0-main
- d----- 5/15/2023 3:23 PM sonar-scanner-cli-4.8.0.2856-windows
- d----- 5/15/2023 2:36 PM sonarqube
- a----- 5/5/2023 5:26 PM 503579 10th\_Marksheets.pdf
- a----- 5/5/2023 5:26 PM 711905 12th\_Marksheets.pdf
- a----- 5/5/2023 5:26 PM 221409 Aadharcard.pdf
- a----- 5/11/2023 5:47 PM 4038720 AnyDesk.exe
- a----- 4/21/2023 6:41 PM 589004 AWS Interview Questions & Answers .pdf
- a----- 2/15/2023 5:21 PM 7205627 AWS-CSA.pdf
- a----- 2/11/2023 9:12 PM 1674 aws\_jenkins\_master.pem
- a----- 5/5/2023 5:26 PM 2350518 B.Tech\_Marksheets.pdf
- a----- 4/5/2023 8:06 AM 1320053 bark admit card.pdf
- a----- 4/21/2023 6:41 PM 239328 Basics of Docker.pdf
- a----- 5/12/2023 12:44 AM 21069233 build.zip
- a----- 1/24/2023 11:47 AM 1427176 ChromeSetup.exe
- a----- 4/22/2023 8:36 PM 104872498 client-.zip
- a----- 5/11/2023 11:31 PM 17012104 Cloud front will improve the performance also cloud front will allows the HTTPS on your website.docx
- a----- 4/21/2023 6:42 PM 3059685 Complete DevOps Package .pdf

The Terminal panel at the bottom shows a PowerShell session with the following commands and output:

```
PS C:\> cd .\Showcase_version_3.0-main
PS C:\> ls
Mode                LastWriteTime         Length Name
-----
d-----         5/12/2023 12:44 AM             build
d-----         4/22/2023 11:16 PM          narmada_react
d-----         4/5/2023  8:09 AM             pdf2docx
d-----         4/22/2023 10:04 PM             react
d-----         5/11/2023 10:56 PM          react_frontend
d-----         5/11/2023 11:04 PM        showcase-v3F-1-main
d-----         5/15/2023 11:49 AM        Showcase_version_3.0-main
d-----         5/15/2023  3:23 PM        sonar-scanner-cli-4.8.0.2856-windows
d-----         5/15/2023  2:36 PM             sonarqube
-a-----         5/5/2023  5:26 PM          503579 10th_Marksheets.pdf
-a-----         5/5/2023  5:26 PM          711905 12th_Marksheets.pdf
-a-----         5/5/2023  5:26 PM          221409 Aadharcard.pdf
-a-----         5/11/2023  5:47 PM         4038720 AnyDesk.exe
-a-----         4/21/2023  6:41 PM          589004 AWS Interview Questions & Answers .pdf
-a-----         2/15/2023  5:21 PM          7205627 AWS-CSA.pdf
-a-----         2/11/2023  9:12 PM           1674 aws_jenkins_master.pem
-a-----         5/5/2023  5:26 PM          2350518 B.Tech_Marksheets.pdf
-a-----         4/5/2023  8:06 AM          1320053 bark admit card.pdf
-a-----         4/21/2023  6:41 PM          239328 Basics of Docker.pdf
-a-----         5/12/2023 12:44 AM         21069233 build.zip
-a-----         1/24/2023 11:47 AM          1427176 ChromeSetup.exe
-a-----         4/22/2023  8:36 PM          104872498 client-.zip
-a-----         5/11/2023 11:31 PM          17012104 Cloud front will improve the performance also cloud front will allows the HTTPS on your website.docx
-a-----         4/21/2023  6:42 PM          3059685 Complete DevOps Package .pdf
```

# conf/sonar-scanner.properties

The image shows a Visual Studio Code editor window with the following details:

- Explorer Panel:** Displays the file structure of the project. The path is `sonar-scanner-4.8.0.2856-windows > conf > sonar-scanner.properties`. The file `sonar-scanner.properties` is selected.
- Editor Panel:** Shows the content of the `sonar-scanner.properties` file. The text is as follows:

```
1  
2  
3  
4 # here u need to give the path or u can change path  
5  
6 sonar.host.url=http://localhost:9000
```
- Terminal Panel:** Currently empty.
- Bottom Panel:** Shows the status bar with the following information: `Ln 4, Col 53`, `Spaces: 4`, `UTF-8`, `CRLF`, `Properties`, and a search icon.
- Taskbar:** Shows the Windows taskbar with various application icons, including the Start button, Search, and several open applications.

# Sonar-project.properties file Set the connection between server and the scanner

The screenshot displays the Visual Studio Code interface with the `sonar-project.properties` file open in the editor. The file content is as follows:

```
1  
2 #using this cmd to u can run on terminal  
3  
4 sonar-scanner.bat -D"sonar.projectKey=Narmada_SQ" -D"sonar.sources=." -D"sonar.host.url=http://localhost:9000" -D"sonar.token=sqp_c822b807211fec717181fed838a5f6cae6f5e303"
```

The Explorer sidebar on the left shows the project structure for `SONARQUBE`, including `react-app-sonarqube` with subfolders `.scannerwork`, `public`, and `src`, and files `.gitignore`, `package.json`, `README.md`, and `sonar-project.properties`.

The TERMINAL panel at the bottom shows the output of the `sonar-scanner.bat` command:

```
INFO: CPD Executor Calculating CPD for 2 files  
INFO: CPD Executor CPD calculation finished (done) | time=10ms  
INFO: Analysis report generated in 126ms, dir size=131.5 kB  
INFO: Analysis report compressed in 232ms, zip size=24.7 kB  
INFO: Analysis report uploaded in 91ms  
INFO: ANALYSIS SUCCESSFUL, you can find the results at: http://localhost:9000/dashboard?id=Narmada_SQ  
INFO: Note that you will be able to access the updated dashboard once the server has processed the submitted analysis report  
INFO: More about the report processing at http://localhost:9000/api/ce/task?id=AYgFC2Cytzo5RByyQfQ2  
INFO: Analysis total time: 1:11.916 s  
INFO: -----  
INFO: EXECUTION SUCCESS  
INFO: -----  
INFO: Total time: 1:23.068s  
INFO: Final Memory: 18M/70M  
INFO: -----  
PS C:\Users\narma\Downloads\sonarqube\react-app-sonarqube>  
* History restored  
PS C:\Users\narma\Downloads\sonarqube>
```

The status bar at the bottom indicates the current file is `master*` with 0 errors, 0 warnings, and 0 info messages. The system tray at the very bottom shows the temperature as 105°F and the time as 4:39 PM on 5/15/2023.

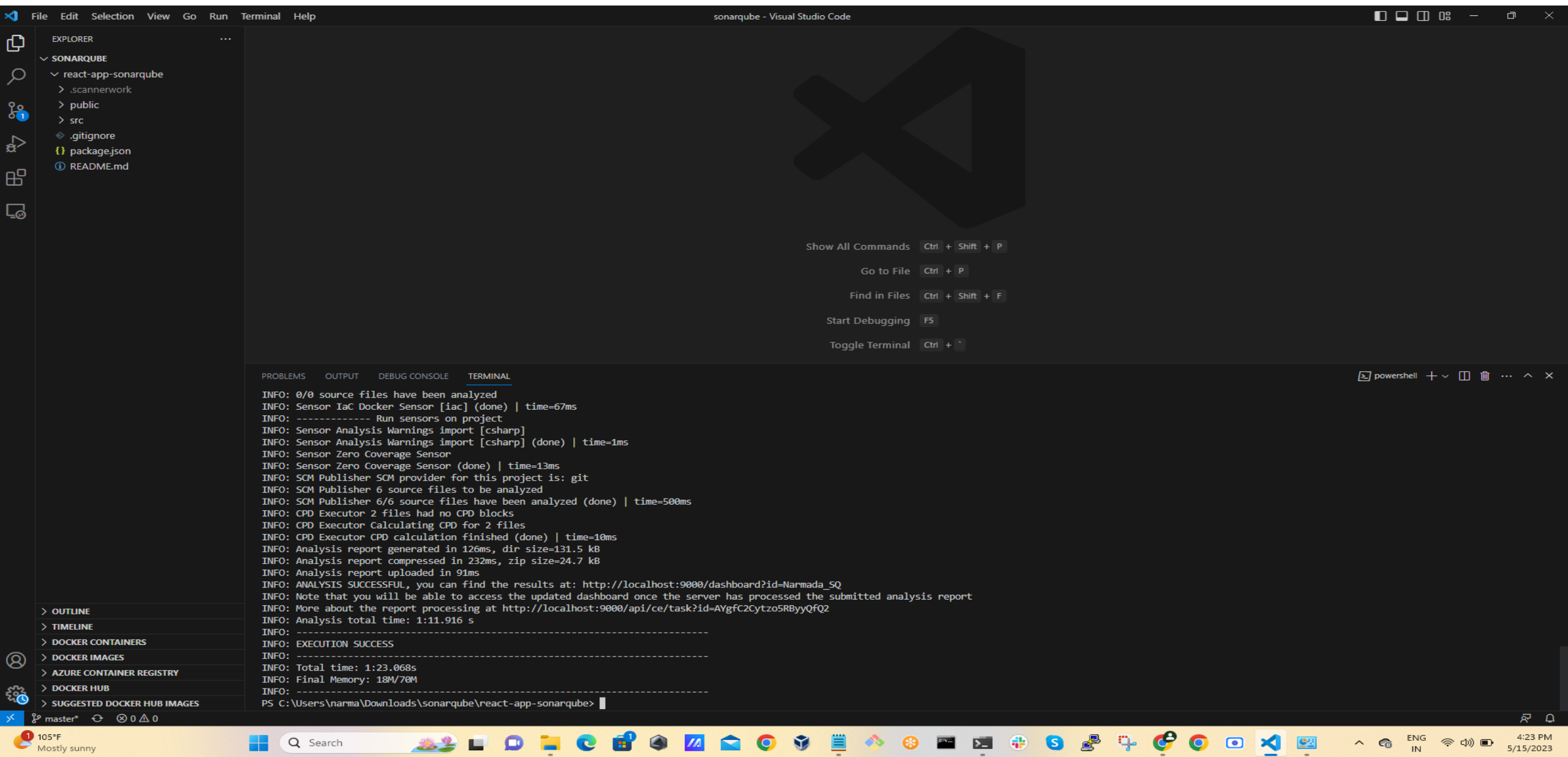
# Run the SonarQube: sonar-scanner.bat

The screenshot shows the Visual Studio Code interface with the Explorer sidebar on the left displaying the project structure for 'SONARQUBE' and 'react-app-sonarqube'. The main area shows the 'TERMINAL' tab with the following output:

```
PS C:\Users\narma\Downloads\sonarqube> cd .\react-app-sonarqube\
PS C:\Users\narma\Downloads\sonarqube\react-app-sonarqube> sonar-scanner.bat -D"sonar.projectKey=Narmada_SQ" -D"sonar.sources=." -D"sonar.host.url=http://localhost:9000" -D"sonar.token=sqp_c822b807211fec717181fed838a5f6cae6f5e303"
INFO: Scanner configuration file: C:\Users\narma\Downloads\sonar-scanner-cli-4.8.0.2856-windows\sonar-scanner-4.8.0.2856-windows\bin\..\conf\sonar-scanner.properties
INFO: Project root configuration file: NONE
INFO: SonarScanner 4.8.0.2856
INFO: Java 11.0.17 Eclipse Adoptium (64-bit)
INFO: Windows 11 10.0 amd64
INFO: User cache: C:\Users\narma\.sonar\cache
INFO: Analyzing on SonarQube server 10.0.0.68432
INFO: Default locale: "en_US", source code encoding: "windows-1252" (analysis is platform dependent)
INFO: Load global settings
INFO: Load global settings (done) | time=139ms
INFO: Server id: 147B411E-AygevM3Etzo5RByyQVWQ
INFO: User cache: C:\Users\narma\.sonar\cache
INFO: Load/download plugins
INFO: Load plugins index
INFO: Load plugins index (done) | time=106ms
INFO: Load/download plugins (done) | time=6372ms
INFO: Process project properties
INFO: Process project properties (done) | time=12ms
INFO: Execute project builders
INFO: Execute project builders (done) | time=1ms
INFO: Project key: Narmada_SQ
INFO: Base dir: C:\Users\narma\Downloads\sonarqube\react-app-sonarqube
INFO: Working dir: C:\Users\narma\Downloads\sonarqube\react-app-sonarqube\scannerwork
INFO: Load project settings for component key: 'Narmada_SQ'
INFO: Load project settings for component key: 'Narmada_SQ' (done) | time=57ms
INFO: Load quality profiles
INFO: Load quality profiles (done) | time=89ms
INFO: Load active rules
INFO: Load active rules (done) | time=2526ms
INFO: Load analysis cache
INFO: Load analysis cache (404) | time=14ms
INFO: Load project repositories
INFO: Load project repositories (done) | time=28ms
INFO: Indexing files...
INFO: Project configuration:
INFO: 11 files indexed
INFO: 0 files ignored because of scm ignore settings
INFO: Quality profile for css: Sonar way
INFO: Quality profile for js: Sonar way
INFO: Quality profile for json: Sonar way
INFO: Quality profile for web: Sonar way
INFO: ----- Run sensors on module Narmada_SQ
INFO: Load metrics repository
INFO: Load metrics repository (done) | time=32ms
INFO: Sensor JaCoCo XML Report Importer [jacoco]
INFO: 'sonar.coverage.jacoco.xmlReportPaths' is not defined. Using default locations: target/site/jacoco/jacoco.xml,target/site/jacoco-it/jacoco.xml,build/reports/jacoco/test/jacocoTestReport.xml
```

The bottom status bar shows the current branch as 'master\*' and the system tray at the bottom right displays the date and time as 5/15/2023 4:31 PM.

You should be able to see the log trace while scanner is analyzing each file. Ensure that you see “EXECUTION SUCCESS” at the end of scanning. The logs should look like below



# Report from SonarQube server-end

Set up SonarQubeSonarQube 10.0JavaScript static code analysisdeekshasharma/reWhatsAppNarmada\_SQ - OverviewSonarScannerDownloadsEnvironment VariablesHow to add a folder

localhost:9000/dashboard?id=Narmada\_SQ

GmailYouTubeMapsslack app - Google...quinom solutions li...Webmail - Main(2) Roundcube Web...People - Quinom S...Inbox (3,808) - nar...QHRShowcase\_Web | Tr...GitHubshowcase-quinom/...Showcase\_Web | Tr...ShowCase

sonarqube

ProjectsIssuesRulesQuality ProfilesQuality GatesAdministration

?

A

Narmada\_SQ / main

Version not provided

OverviewIssuesSecurity HotspotsMeasuresCodeActivity

Project SettingsProject Information

To benefit from more of SonarQube's features, set up analysis in your favorite CI.

QUALITY GATE STATUS

Passed

All conditions passed.

MEASURES

New CodeOverall Code

0BugsReliabilityA

0VulnerabilitiesSecurityA

0Security HotspotsSecurity ReviewA

0Debt0Code SmellsMaintainabilityA

0.0%Coverage on 5 Lines to coverUnit Tests

0.0%0

Duplications on 71 LinesDuplicated Blocks

ACTIVITY

105°F Mostly sunny

Search

Windows Taskbar Icons

System Tray

Thank  
You!



P.Narmada