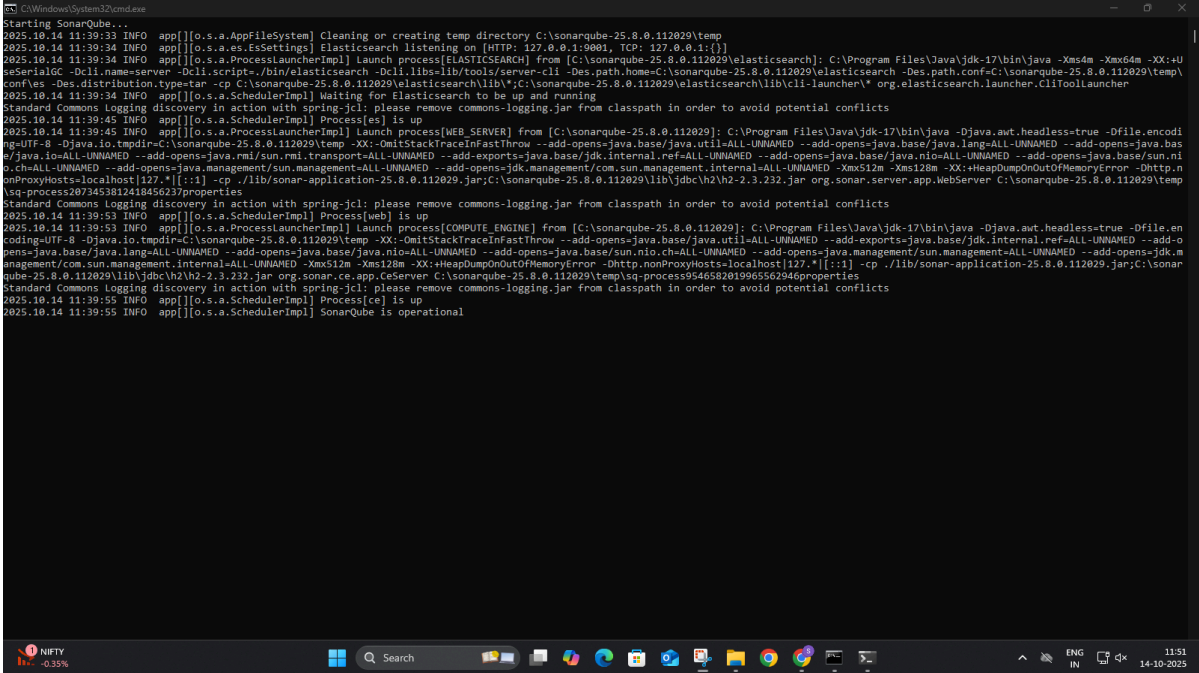
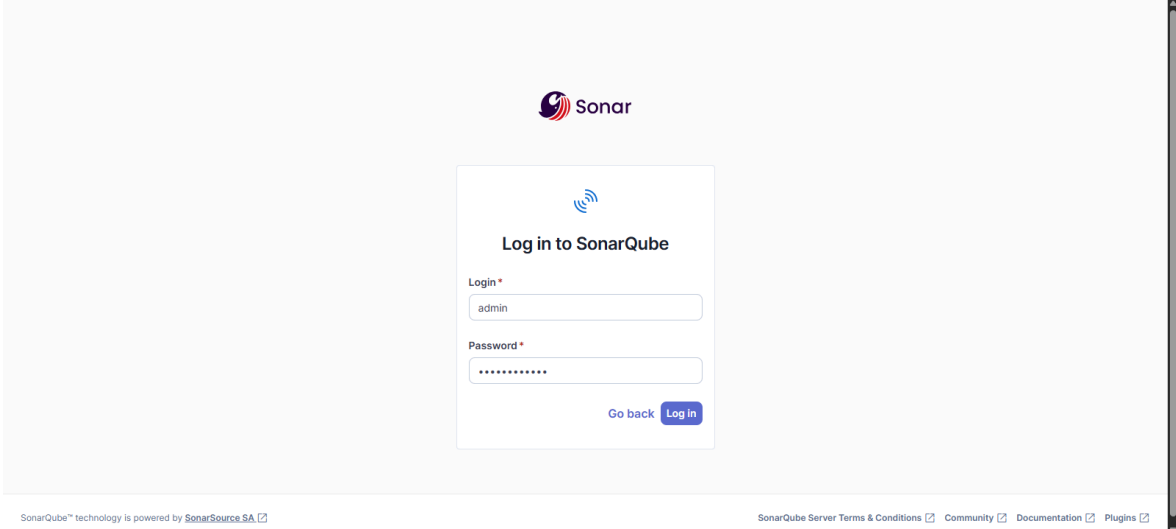


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Duration: One Hour	

Sr No	Problem Statement (Type here): Use SonarQube on Windows machine to test HTML File. Include passed and failed test scenario
1.	<p>Step 1: In C:\sonarqube-25.8.0.112029\bin\windows-x86-64, run the StartSonar.bat as administrator</p> <p>Screenshot 1:</p>  <p>Once SonarQube is operational is seen go to localhost:9000 and login to SonarQube</p> 

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2. Step 2 (internal step 1): After logging in to SonarQube, create a new local project using the global settings.

Screenshot 2:

3. Step 3: On clicking on create project, we go to Analyze project where we can generate a token, click on generate  
 Screenshot 3:

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SonarQube  
community

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Mock Bind project / main ▾ ?

OverviewIssuesSecurity HotspotsCodeMeasuresActivityProject Settings ▾Project Information

Analyze your project

We initialized your project on SonarQube Community Build, now it's up to you to launch analyses!

1 Provide a token

Generate a project tokenUse existing token

Token name \* ⓘExpires in

Analyze "Mock"30 days ▾Generate

❗ Please note that this token will only allow you to analyze the current project. If you want to use the same token to analyze multiple projects, you need to generate a global token in your [user account](#).  
[See the documentation](#) for more information.

The token is used to identify you when an analysis is performed. If it has been compromised, you can revoke it at any point in time in your [user account](#).

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Analysis Method / Locally

Analyze your project

We initialized your project on SonarQube Community Build, now it's up to you to launch analyses!

1 Provide a token

Analyze "Mock": sqp\_e8ddcc744040249a5815de50b9ccd1ebdb73632d ⓘ

The token is used to identify you when an analysis is performed. If it has been compromised, you can revoke it at any point in time in your [user account](#).

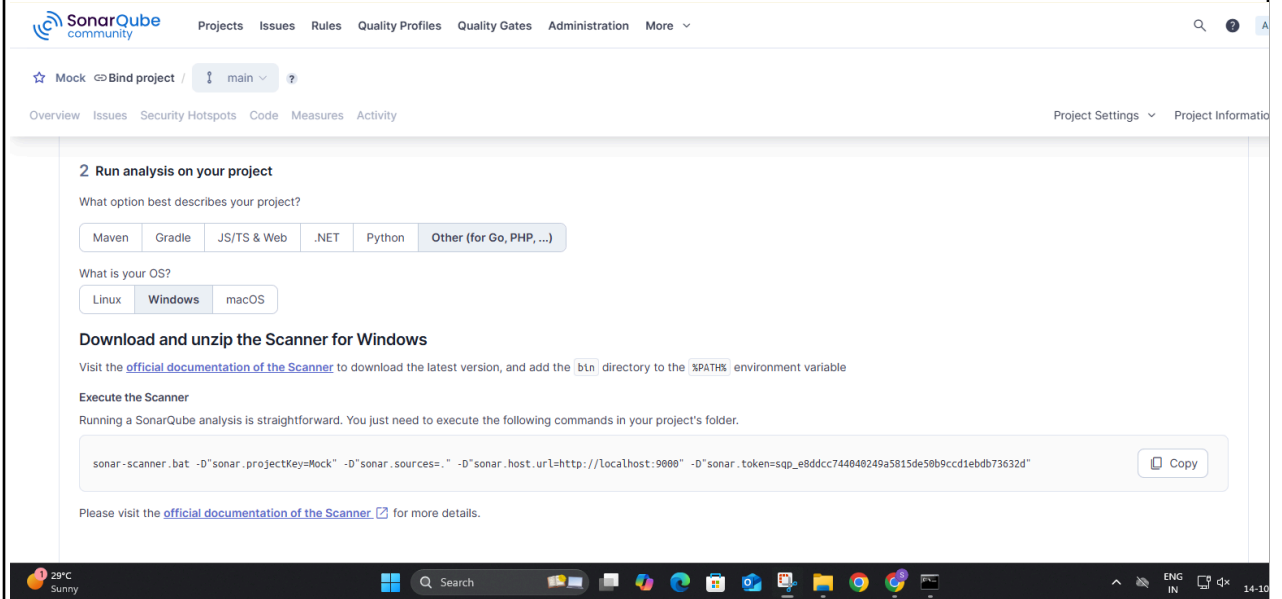
Continue

2 Run analysis on your project

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4. Step 4: After a token is generated click on continue, in run analysis click on other and then on windows and copy the command u get.  
Screenshot 4:

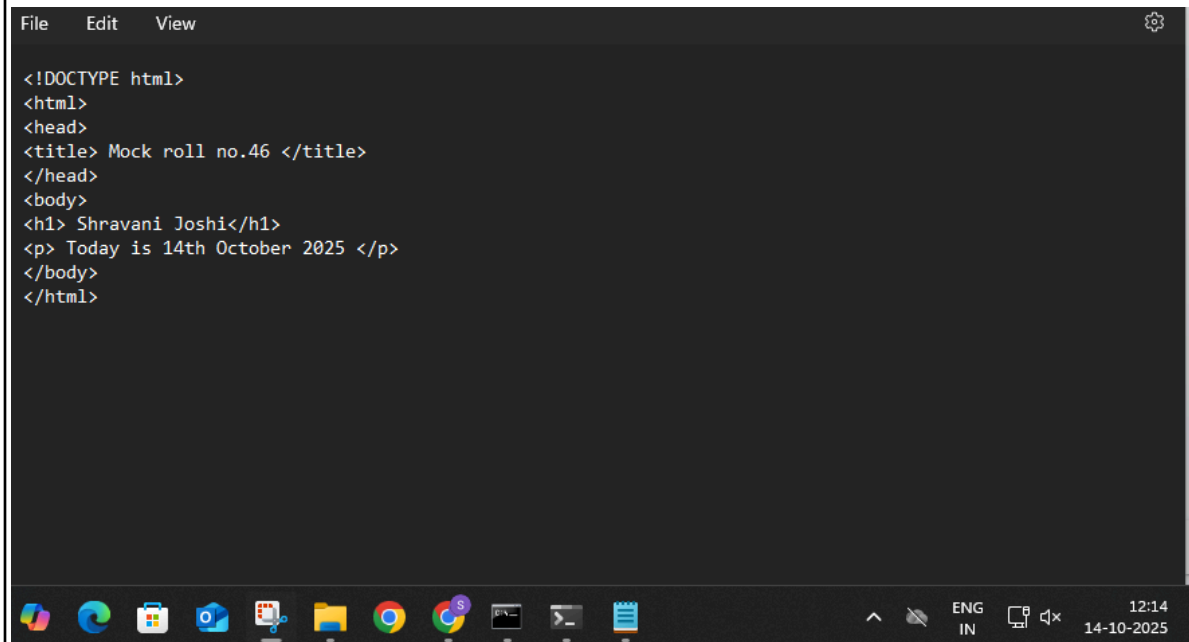


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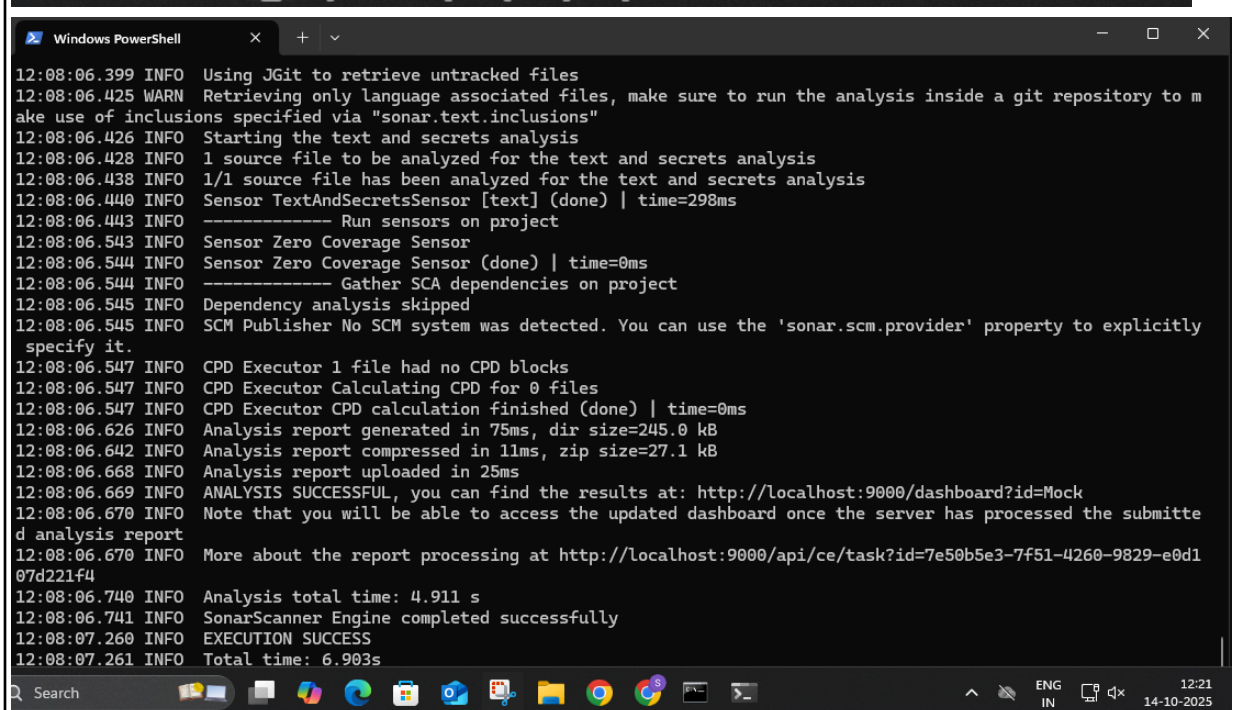
5. Step 5 : After that create a folder in C drive and add a file with html code in it, right click on the folder and open in terminal and run the command we copied.

Screenshot 5:



```
File Edit View

<!DOCTYPE html>
<html>
<head>
<title> Mock roll no.46 </title>
</head>
<body>
<h1> Shravani Joshi</h1>
<p> Today is 14th October 2025 </p>
</body>
</html>
```



```
Windows PowerShell

12:08:06.399 INFO Using JGit to retrieve untracked files
12:08:06.425 WARN Retrieving only language associated files, make sure to run the analysis inside a git repository to m
ake use of inclusions specified via "sonar.text.inclusions"
12:08:06.426 INFO Starting the text and secrets analysis
12:08:06.428 INFO 1 source file to be analyzed for the text and secrets analysis
12:08:06.438 INFO 1/1 source file has been analyzed for the text and secrets analysis
12:08:06.440 INFO Sensor TextAndSecretsSensor [text] (done) | time=298ms
12:08:06.443 INFO ----- Run sensors on project
12:08:06.543 INFO Sensor Zero Coverage Sensor
12:08:06.544 INFO Sensor Zero Coverage Sensor (done) | time=0ms
12:08:06.544 INFO ----- Gather SCA dependencies on project
12:08:06.545 INFO Dependency analysis skipped
12:08:06.545 INFO SCM Publisher No SCM system was detected. You can use the 'sonar.scm.provider' property to explicitly
specify it.
12:08:06.547 INFO CPD Executor 1 file had no CPD blocks
12:08:06.547 INFO CPD Executor Calculating CPD for 0 files
12:08:06.547 INFO CPD Executor CPD calculation finished (done) | time=0ms
12:08:06.626 INFO Analysis report generated in 75ms, dir size=245.0 kB
12:08:06.642 INFO Analysis report compressed in 11ms, zip size=27.1 kB
12:08:06.668 INFO Analysis report uploaded in 25ms
12:08:06.669 INFO ANALYSIS SUCCESSFUL, you can find the results at: http://localhost:9000/dashboard?id=Mock
12:08:06.670 INFO Note that you will be able to access the updated dashboard once the server has processed the submitte
d analysis report
12:08:06.670 INFO More about the report processing at http://localhost:9000/api/ce/task?id=7e50b5e3-7f51-4260-9829-e0d1
07d221f4
12:08:06.740 INFO Analysis total time: 4.911 s
12:08:06.741 INFO SonarScanner Engine completed successfully
12:08:07.260 INFO EXECUTION SUCCESS
12:08:07.261 INFO Total time: 6.903s
```

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6. Step 6: After Execution success is seen, check SonarQube for the result. You can see passed  
Screenshot 6:

The top screenshot shows the SonarQube web interface for a project named 'main'. The status is 'Passed' with a green checkmark. A warning message states: 'The last analysis has warnings. See details'. The interface displays metrics for Security (0 Open issues, grade A), Reliability (1 Open issue, grade C), and Maintainability (0 Open issues, grade A). The bottom screenshot shows the 'Issues' tab for the same project. It lists one issue: 'Add "lang" and/or "xml:lang" attributes to this "<html>" element'. The issue is categorized as 'Reliability' with a severity of 'Medium' and is marked as 'Intentionality'. The issue is associated with the rule 'accessibility\_wcag2-a' and has a complexity of 'L2 - 2min effort - 36 seconds ago'.

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7. Step 7: Now edit the file adding some error in it. Run the command again and check SonarQube again, now it should show failed.  
 Screenshot 7:



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FileEditView

```
<!DOCTYPE html>
<html>
<head>
<title> Mock roll no.46 </title>
<body>
<h1> Shravani Joshi</h1>
<p> Today is 14th October 2025 </p>
</body>
</html>
```

ENG IN12:1414-10-2025

SonarQube community

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Mock Bind projectmain

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Don't let issues accumulate. Discover 'Clean as You Code'!

Learn how to improve your code base by cleaning only new code.

Take the TourNot now

Quality Gate

Failed

Last analysis 8 seconds ago

The last analysis has warnings. See details

New Code1 failedOverall Code

New Code Since October 14, 2025 Started 5 minutes ago

1 condition failedNew issuesFailedAccepted issues

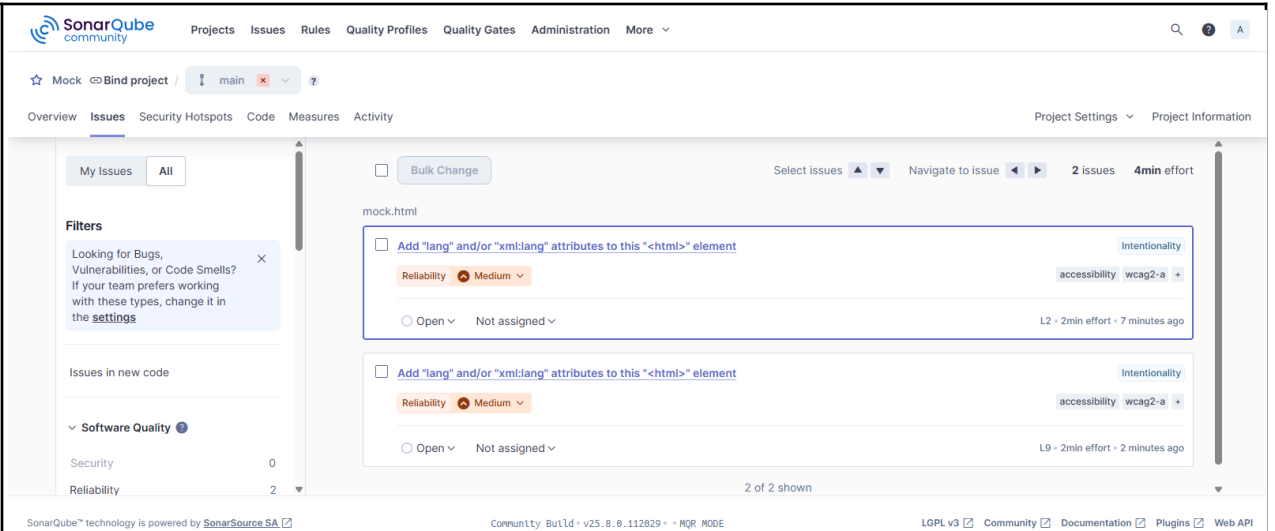
Gold+0.86%

Search

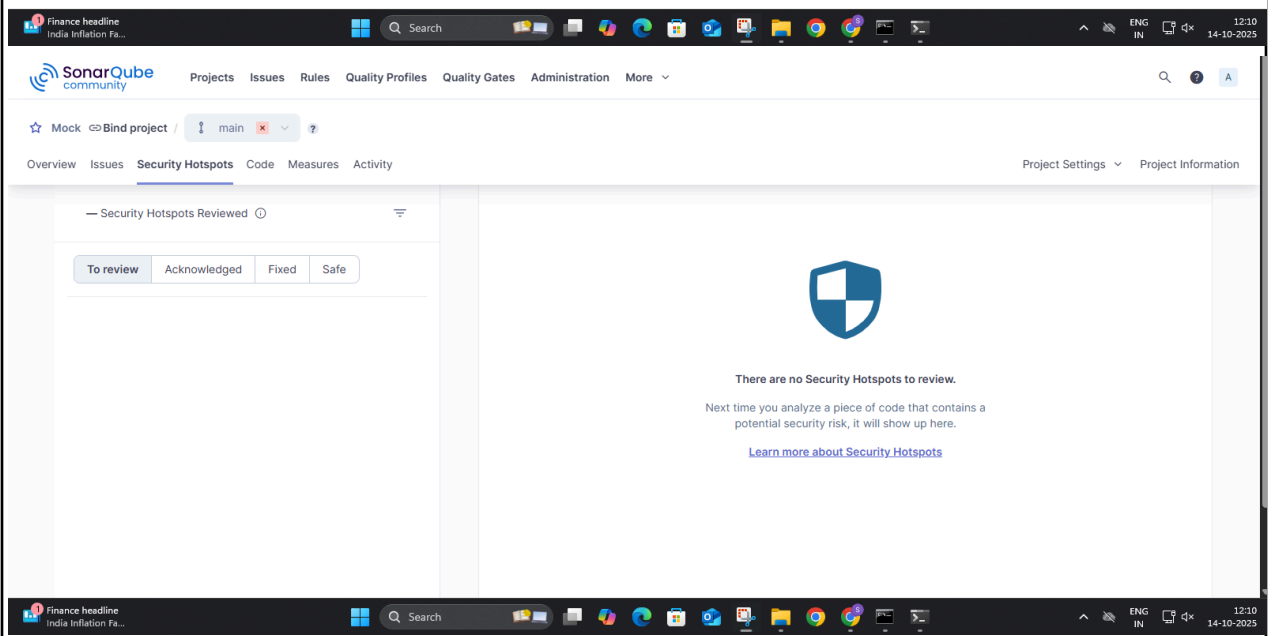
ENG IN12:0814-10-2025

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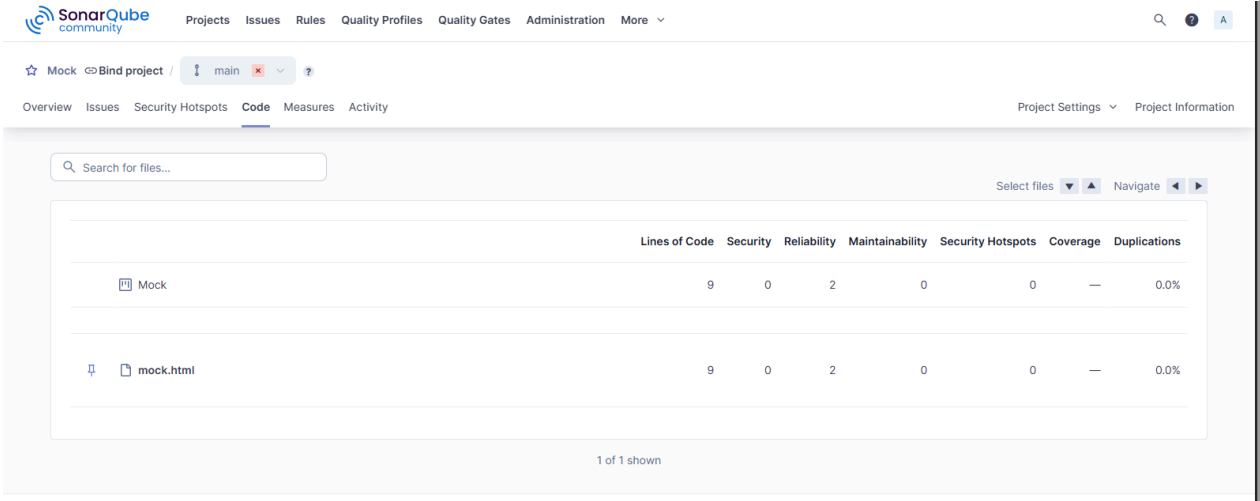
The screenshot shows the SonarQube web interface for a project named 'Mock'. The 'Issues' tab is selected, displaying a list of issues. Two issues are visible, both titled 'Add "lang" and/or "xml:lang" attributes to this "<html>" element'. The first issue is labeled 'Intentionality' with a 'Reliability' severity of 'Medium' and an 'accessibility' rule 'wcag2-a'. The second issue is also labeled 'Intentionality' with 'Reliability' severity 'Medium' and 'accessibility' rule 'wcag2-a'. The interface includes filters on the left, a 'Bulk Change' button, and navigation controls. The bottom of the page shows the SonarQube logo, version information (v25.8.0), and links to documentation and plugins.



The screenshot shows the SonarQube web interface for the same 'Mock' project, but with the 'Security Hotspots' tab selected. The page displays a message: 'There are no Security Hotspots to review.' Below this message, it states: 'Next time you analyze a piece of code that contains a potential security risk, it will show up here.' and provides a link to 'Learn more about Security Hotspots'. The interface includes a filter for 'Security Hotspots Reviewed' and tabs for 'To review', 'Acknowledged', 'Fixed', and 'Safe'. The bottom of the page shows the SonarQube logo, version information (v25.8.0), and links to documentation and plugins.

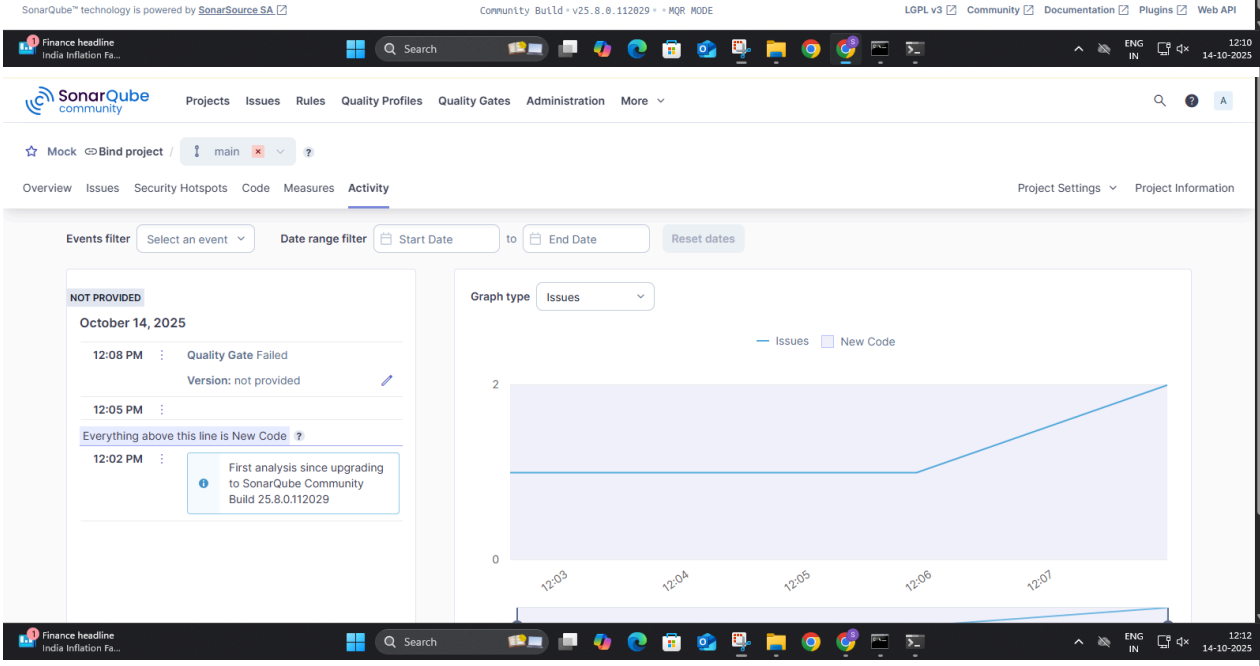
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	Lines of Code	Security	Reliability	Maintainability	Security Hotspots	Coverage	Duplications
Mock	9	0	2	0	0	—	0.0%
mock.html	9	0	2	0	0	—	0.0%

1 of 1 shown



Events filter: Select an event v Date range filter: Start Date to End Date Reset dates

NOT PROVIDED

October 14, 2025

12:08 PM : Quality Gate Failed  
Version: not provided

12:05 PM :

Everything above this line is New Code ?

12:02 PM : First analysis since upgrading to SonarQube Community Build 25.8.0.112029

Graph type: Issues v

Legend: Issues (blue line), New Code (light blue area)

The graph shows a steady increase in issues over time, with a significant jump around 12:06.

At last close the Server by using ctrl+c

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```
to avoid potential conflicts
2025.10.14 12:33:36 INFO app[][o.s.a.SchedulerImpl] Process[web] is up
2025.10.14 12:33:36 INFO app[][o.s.a.ProcessLauncherImpl] Launch process[COMPUTE_ENGINE] from [C:\sonarqube-25.8.0.1120
29]: C:\Program Files\Java\jdk-17\bin\java -Djava.awt.headless=true -Dfile.encoding=UTF-8 -Djava.io.tmpdir=C:\sonarqube-
25.8.0.112029\temp -XX:-OmitStackTraceInFastThrow --add-opens=java.base/java.util=ALL-UNNAMED --add-exports=java.base/jd
k.internal.ref=ALL-UNNAMED --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.nio=ALL-UNNAMED --add-
opens=java.base/sun.nio.ch=ALL-UNNAMED --add-opens=java.management/sun.management=ALL-UNNAMED --add-opens=jdk.management
/com.sun.management.internal=ALL-UNNAMED -Xmx512m -Xms128m -XX:+HeapDumpOnOutOfMemoryError -Dhttp.nonProxyHosts=localhos
t|127.*|[:1] -cp ./lib/sonar-application-25.8.0.112029.jar;C:\sonarqube-25.8.0.112029\lib\jdbc\h2-2.3.232.jar org.son
ar.ce.app.CeServer C:\sonarqube-25.8.0.112029\temp\sq-process7853178170747590767properties
Standard Commons Logging discovery in action with spring-jcl: please remove commons-logging.jar from classpath in order
to avoid potential conflicts
2025.10.14 12:33:38 INFO app[][o.s.a.SchedulerImpl] Process[ce] is up
2025.10.14 12:33:38 INFO app[][o.s.a.SchedulerImpl] SonarQube is operational
2025.10.14 12:35:03 INFO app[][o.s.a.SchedulerImpl] Stopping SonarQube
2025.10.14 12:35:03 INFO app[][o.s.a.SchedulerImpl] Sonarqube has been requested to stop
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] Stopping [Compute Engine] process...
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] Process[Compute Engine] is stopped
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] Stopping [Web Server] process...
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] Process[Web Server] is stopped
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] Stopping [ElasticSearch] process...
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] Process[ElasticSearch] is stopped
2025.10.14 12:35:04 INFO app[][o.s.a.SchedulerImpl] SonarQube is stopped
Terminate batch job (Y/N)?
```