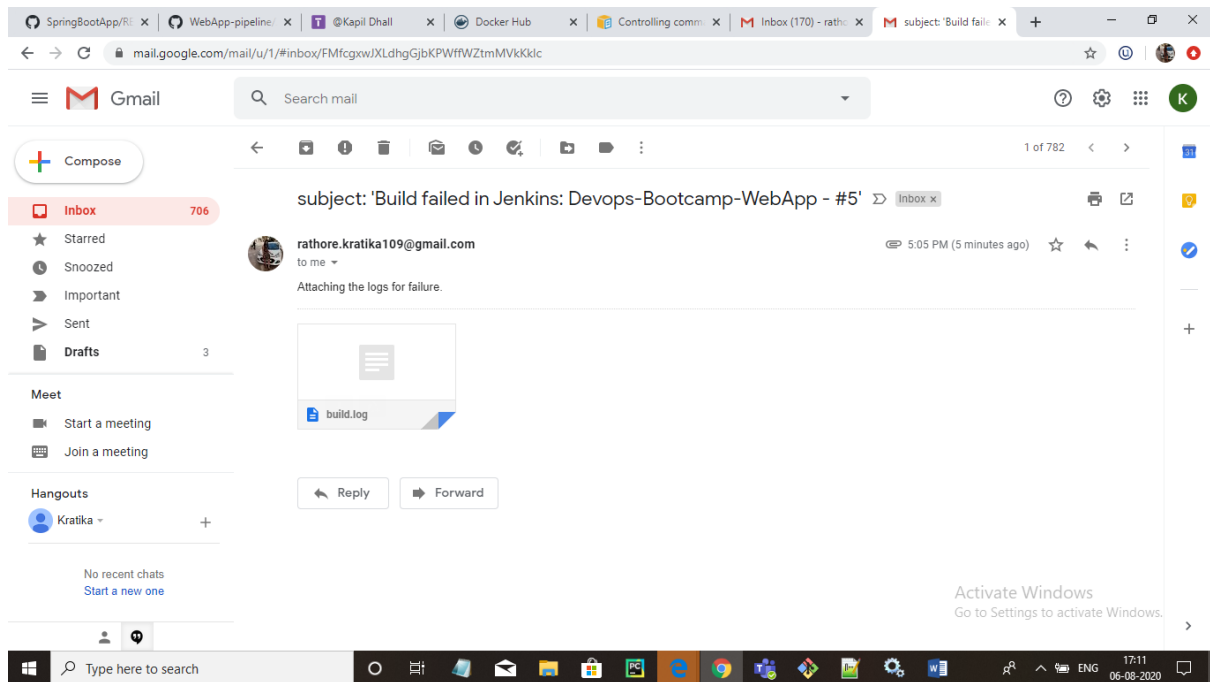
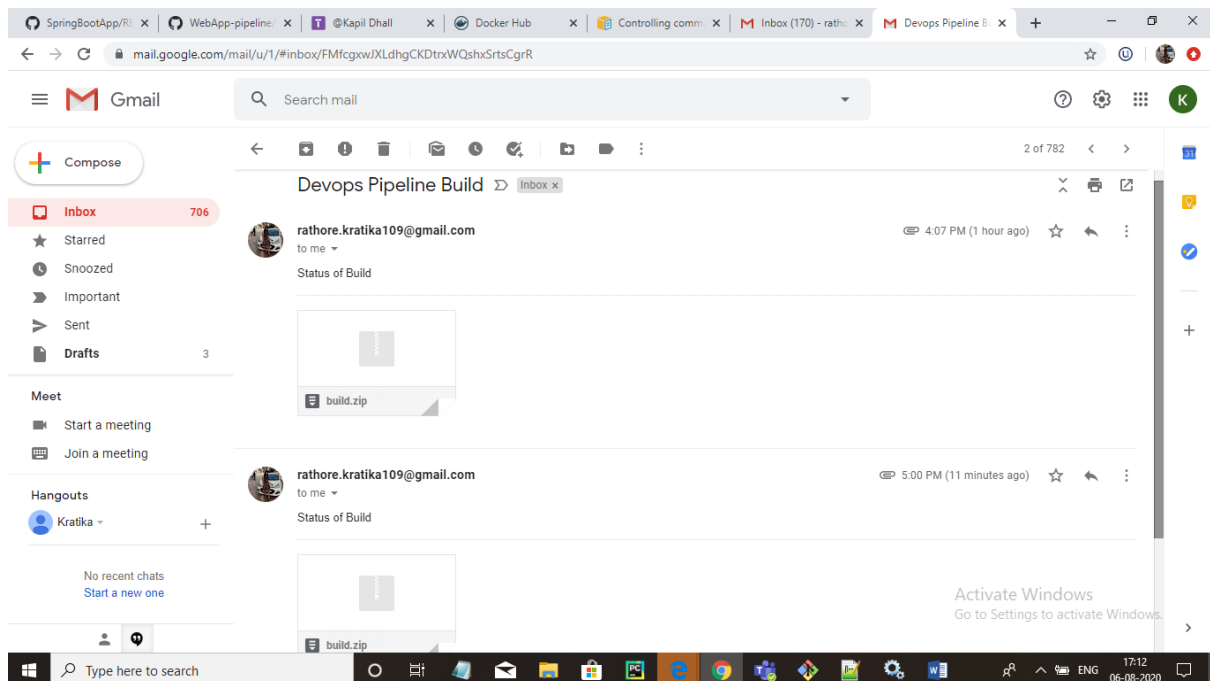


## WebApp Mail Screenshots for Build Failure



## WebApp Mail Screenshot after complete build



## SonarQube Server Screenshot

The screenshot shows the SonarQube web interface in a browser window. The address bar displays the URL `35.247.184.143:9000/projects`. The page title is "sonarqube" and the navigation bar includes "Projects", "Issues", "Rules", "Quality Profiles", "Quality Gates", and "Administration". A search bar is present on the right.

On the left, there are filters for "My Favorites" and "All". Below these are sections for "Quality Gate" (Passed: 2, Warning: 0, Failed: 0) and "Reliability" (sort by: worst, best). The "Reliability" section shows a list of projects with their quality gate status and metrics.

The main content area displays a list of projects. Two projects are shown:

- SpringBootApplication**: Quality Gate: Passed. Metrics: Reliability (A), Security (A), Maintainability (A), Coverage (91.7%), Duplications (0.0%), Java (88). Last analysis on August 6, 2020 4:42 PM.
- WebApp**: Quality Gate: Passed. Metrics: Reliability (A), Security (A), Maintainability (A), Coverage (100%), Duplications (0.0%), Java (60). Last analysis on August 6, 2020 4:57 PM.

At the bottom, a red banner contains a warning: "Embedded database should be used for evaluation purpose 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 engine. Go to Settings to activate Windows." Below this, it states "SonarQube™ technology is powered by SonarSource SA" and "Version 6.4 (build 25310) - LGPL v3 - Community - Documentation - Get Support - Plugins - Web API - About".

## WebApp SonarQube

The screenshot shows the SonarQube web interface for the "WebApp" project. The address bar displays the URL `35.247.184.143:9000/dashboard?id=WebAppKey`. The page title is "sonarqube" and the navigation bar includes "Projects", "Issues", "Rules", "Quality Profiles", "Quality Gates", and "Administration". A search bar is present on the right.

The main content area displays the project dashboard for "WebApp". The Quality Gate status is "Passed". The dashboard includes several sections:

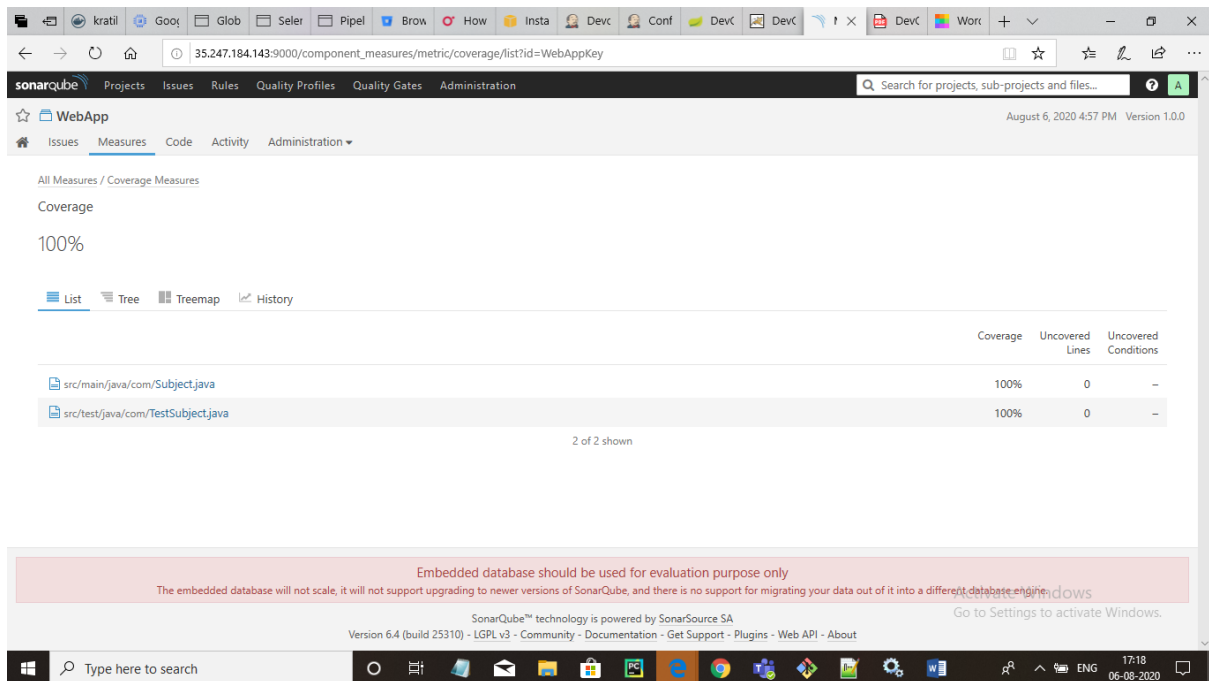
- Bugs & Vulnerabilities**: Shows 0 Bugs and 0 Vulnerabilities. A "Leak Period: since previous version started 10 days ago" is indicated.
- Code Smells**: Shows 50min Debt and 7 Code Smells. A "New Debt" and "New Code Smells" section shows 50min and 7 respectively.
- Coverage**: Shows 100% Coverage. A "Coverage on New Code" section shows a line graph.
- Duplications**: Shows a line graph.

On the right, there is a sidebar with the following information:

- Lines of Code: 60 (Java: 60)
- No tags
- Quality Gate (Default): SonarQube way
- Quality Profiles (Java): Sonar way
- Key: WebAppKey
- Activity: August 6, 2020 (Project Analyzed), August 6, 2020 (Project Analyzed), August 4, 2020 (Project Analyzed)

At the bottom, a red banner contains a warning: "Embedded database should be used for evaluation purpose 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 engine. Go to Settings to activate Windows." Below this, it states "SonarQube™ technology is powered by SonarSource SA" and "Version 6.4 (build 25310) - LGPL v3 - Community - Documentation - Get Support - Plugins - Web API - About".

## WebApp code coverage



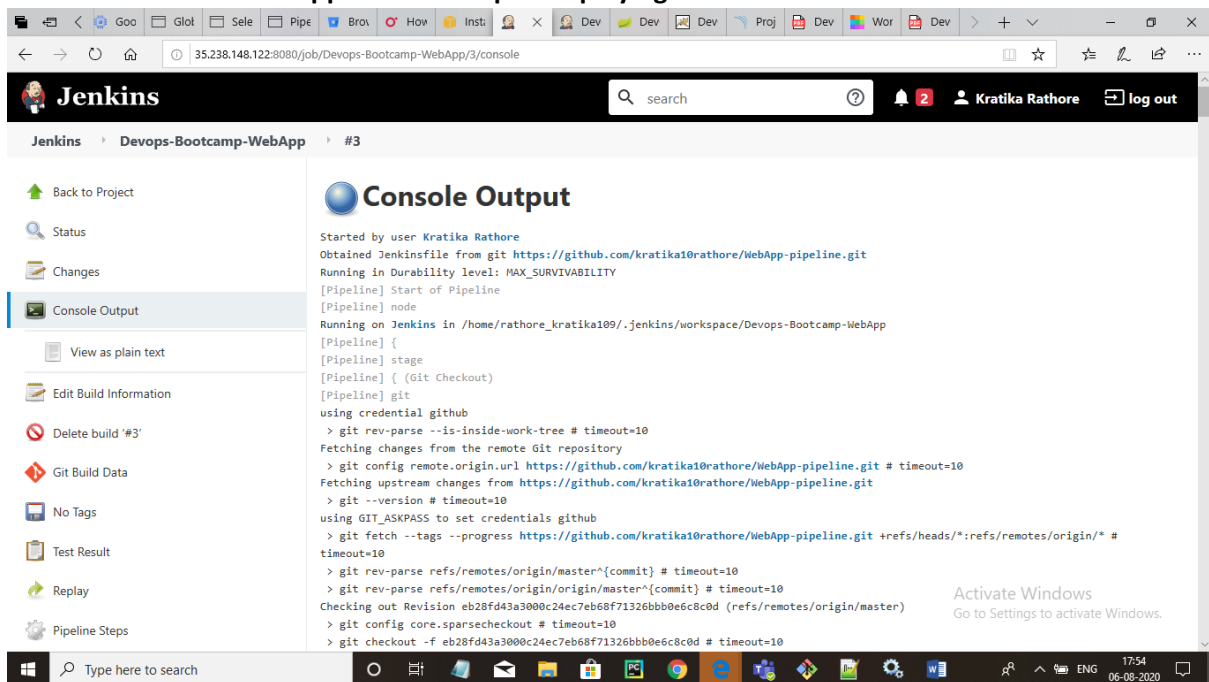
The screenshot shows the SonarQube interface for a project named 'WebApp'. The 'Measures' tab is selected, displaying a coverage of 100%. Below this, a table lists the code files and their coverage status.

	Coverage	Uncovered Lines	Uncovered Conditions
<a href="#">src/main/java/com/Subject.java</a>	100%	0	-
<a href="#">src/test/java/com/TestSubject.java</a>	100%	0	-

2 of 2 shown

At the bottom, a red banner states: 'Embedded database should be used for evaluation purpose 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 engine.' Below this, it says 'Go to Settings to activate Windows.'

## Screenshot of WebAPP App Console output Displaying Name

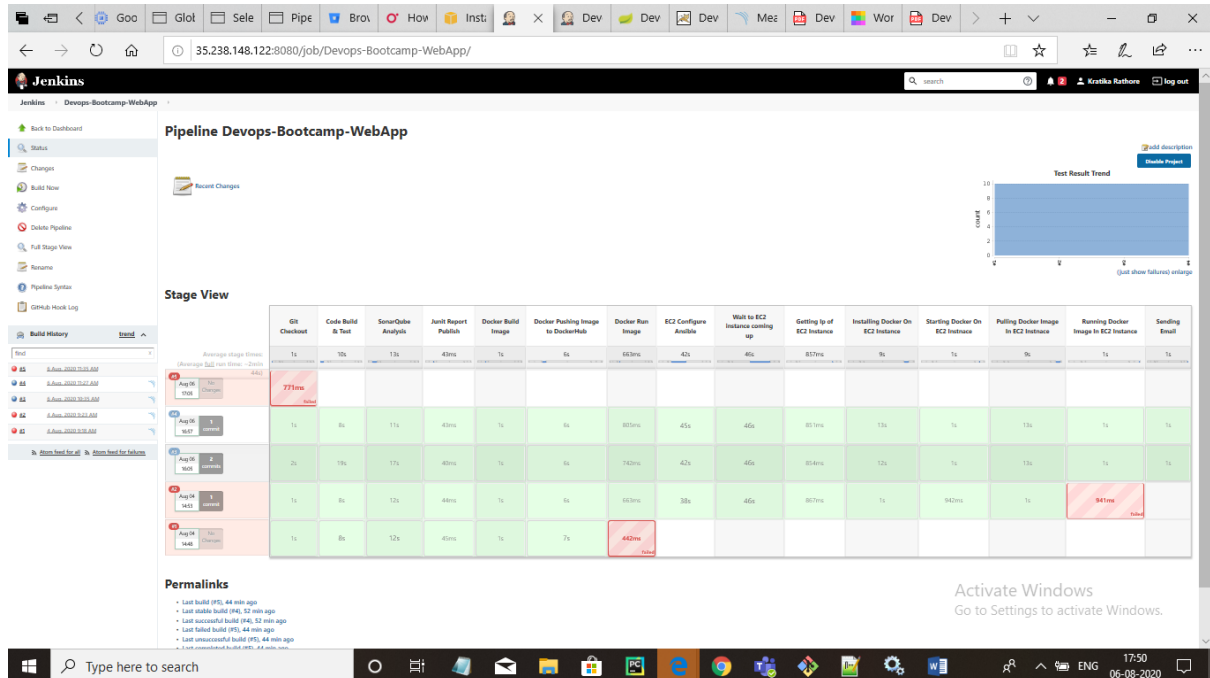


The screenshot shows the Jenkins console output for a build named '#3' under the project 'Devops-Bootcamp-WebApp'. The output displays the build's progress, including the checkout of the repository and the execution of various commands.

```
Started by user Kratika Rathore
Obtained Jenkinsfile from git https://github.com/kratika10rathore/WebApp-pipeline.git
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /home/rathore_kratika109/.jenkins/workspace/Devops-Bootcamp-WebApp
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Git Checkout)
[Pipeline] git
using credential github
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/kratika10rathore/WebApp-pipeline.git # timeout=10
Fetching upstream changes from https://github.com/kratika10rathore/WebApp-pipeline.git
> git --version # timeout=10
using GIT_ASKPASS to set credentials github
> git fetch --tags --progress https://github.com/kratika10rathore/WebApp-pipeline.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
Checking out Revision eb28fd43a3000c24ec7eb68f71326bb0e6c8c0d (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f eb28fd43a3000c24ec7eb68f71326bb0e6c8c0d # timeout=10
```

## WebApp Pipeline Screenshot

I have changes the git credential to check mail alert so job failed at first stage. Then updated with correct one.



## JUnit Test Report

Jenkins > Devops-Bootcamp-WebApp > #3 > Test Results > (root) > TestSubject

## Test Result : TestSubject

0 failures (±0)

10 tests (±0)  
Took 0.19 sec.  
[add description](#)

### All Tests

Test name	Duration	Status
testSubjectEquals()	17 ms	Passed
testSubjectFalse()	5 ms	Passed
testSubjectNotEquals()	0.12 sec	Passed
testSubjectNotNull()	15 ms	Passed
testSubjectNotSame()	8 ms	Passed
testSubjectEquals()	4 ms	Passed
testSubjectFalse()	14 ms	Passed
testSubjectNotEquals()	4 ms	Passed
testSubjectNotNull()	3 ms	Passed
testSubjectNotSame()	5 ms	Passed

Activate Windows  
Go to Settings to activate Windows.

## Job

Jenkins > Devops-Bootcamp-WebApp > configure

35.238.148.122:8080/job/Devops-Bootcamp-WebApp/configure

General Build Triggers Advanced Project Options Pipeline

☐ Build other projects are built

☐ Build periodically

☐ GitHub Branches

☐ GitHub Pull Requests

☐ GitHub hook trigger for GITSCM polling

☐ Poll SCM

☐ Disable this project

☐ Quiet period

☐ Trigger builds remotely (e.g., from scripts)

### Advanced Project Options

[Advanced...](#)

### Pipeline

Definition: Pipeline script from SCM

SCM: Git

Repositories:

Repository URL:

Credentials:  [Add...](#)

[Add Repository](#)

Branches to build:

Branch Specifier (blank for 'any'):

[Add Branch](#)

Repository browser:

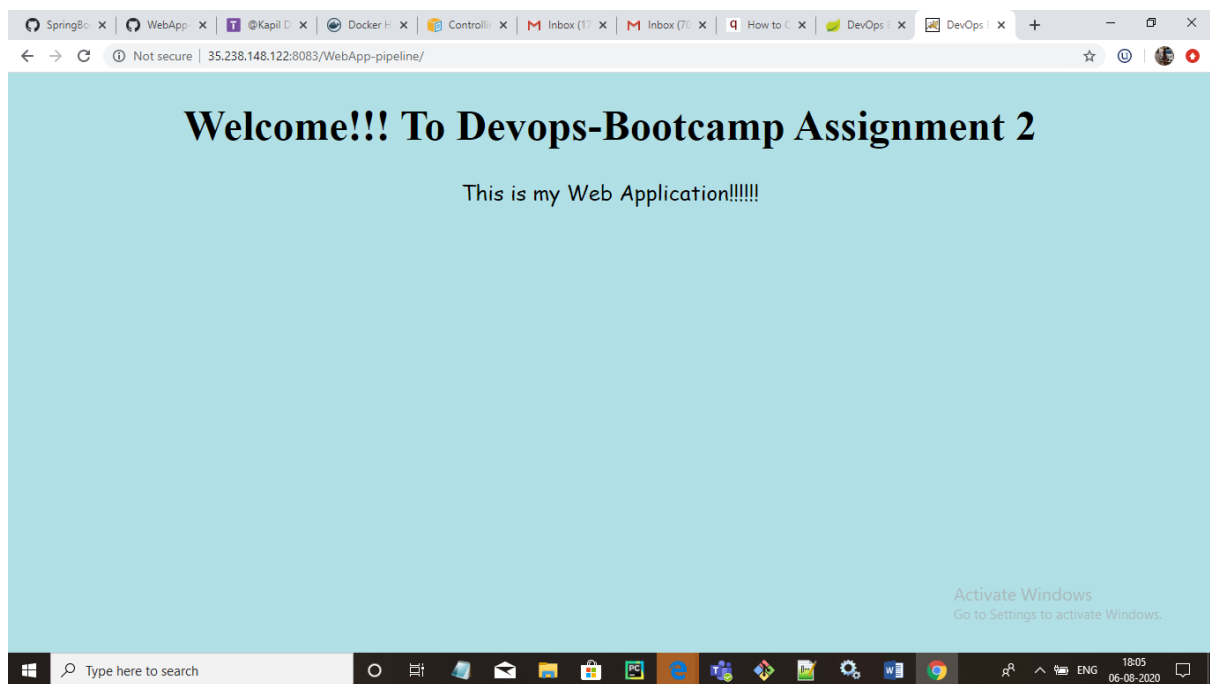
Additional Behaviours: [Add +](#)

Script Path:

[Save](#) [Apply](#)

Activate Windows  
Go to Settings to activate Windows.

## Running container Output in Jenkins Server



## AWS-EC2-Deployment-output-triggered-manually



## AWS-EC2-Deployment-output-webhook-triggered

