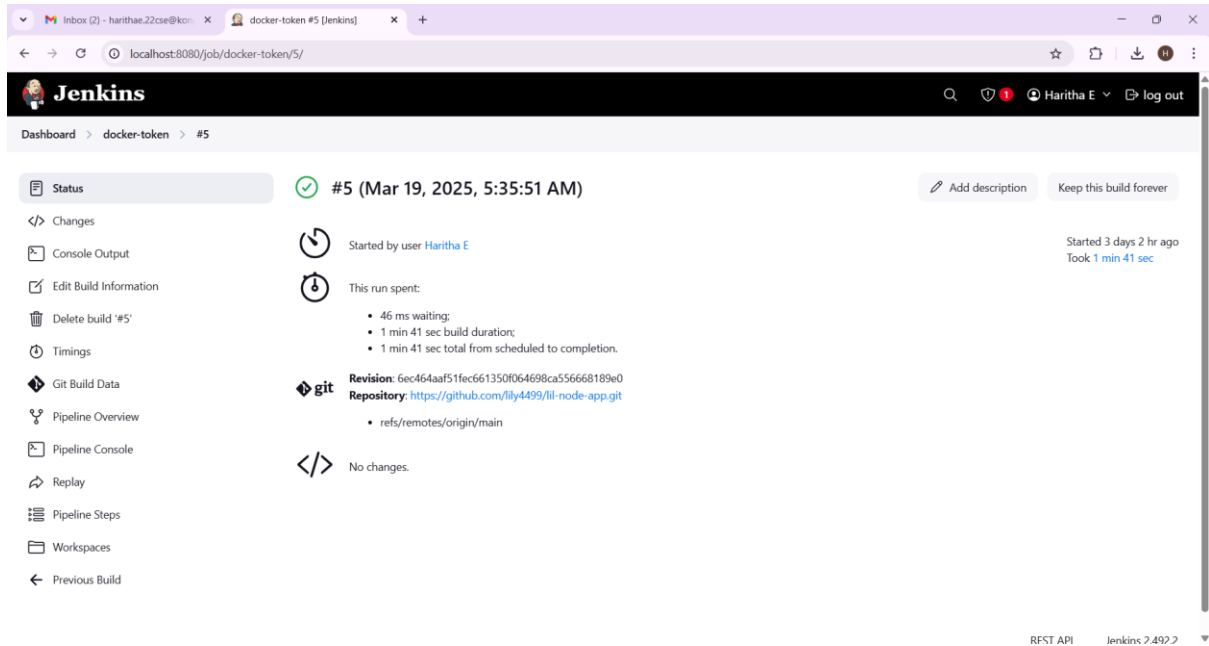
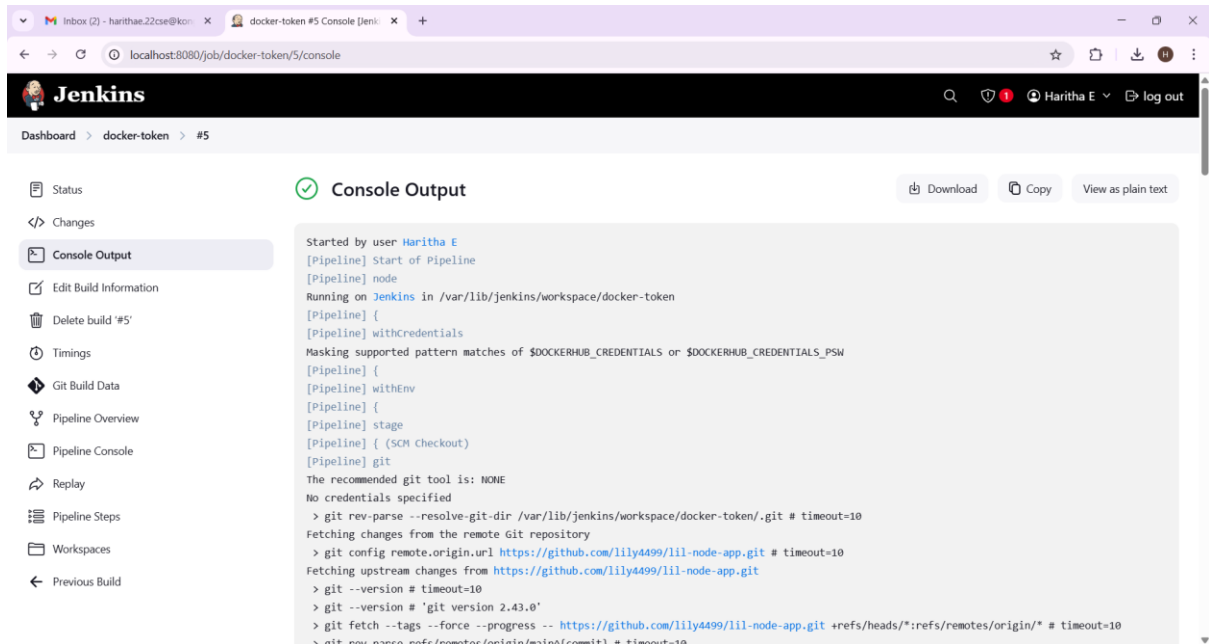


## DEVOPS TASK – 2



The screenshot shows the Jenkins web interface for job #5. The breadcrumb navigation is 'Dashboard > docker-token > #5'. The left sidebar contains a list of actions: Status (selected), Changes, Console Output, Edit Build Information, Delete build '#5', Timings, Git Build Data, Pipeline Overview, Pipeline Console, Replay, Pipeline Steps, Workspaces, and Previous Build. The main content area displays the job status as a green checkmark and '#5 (Mar 19, 2025, 5:35:51 AM)'. It includes buttons for 'Add description' and 'Keep this build forever'. The build was started by user 'Haritha E' and took 1 min 41 sec. A summary of the run's duration is provided: 46 ms waiting, 1 min 41 sec build duration, and 1 min 41 sec total from scheduled to completion. The build is linked to a Git repository: 'https://github.com/lily4499/lil-node-app.git' at revision '6ec464aaf51fec661350f064698ca556668189e0' on the 'refs/remotes/origin/main' branch. The 'Changes' section shows 'No changes.' The bottom right corner of the page shows 'RFST API' and 'Jenkins 2.492.2'.



The screenshot shows the Jenkins web interface for job #5, specifically the 'Console Output' view. The breadcrumb navigation is 'Dashboard > docker-token > #5'. The left sidebar is identical to the previous screenshot, with 'Console Output' selected. The main content area displays the console output with a green checkmark and the title 'Console Output'. It includes buttons for 'Download', 'Copy', and 'View as plain text'. The output text shows the build process starting with 'Started by user Haritha E' and '[Pipeline] Start of Pipeline'. It then shows the build running on 'Jenkins' in the directory '/var/lib/jenkins/workspace/docker-token'. The output includes a list of pipeline steps: '[Pipeline] {', '[Pipeline] withCredentials', '[Pipeline] {', '[Pipeline] withEnv', '[Pipeline] {', '[Pipeline] stage', '[Pipeline] { (SCM Checkout)', '[Pipeline] git', and '[Pipeline] git'. It also shows the recommended git tool is 'NONE' and that no credentials were specified. The output continues with a series of git commands and their outputs, including 'git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/docker-token/.git # timeout=10', 'Fetching changes from the remote Git repository', 'git config remote.origin.url https://github.com/lily4499/lil-node-app.git # timeout=10', 'Fetching upstream changes from https://github.com/lily4499/lil-node-app.git', 'git --version # timeout=10', 'git --version # 'git version 2.43.0'', 'git fetch --tags --force --progress -- https://github.com/lily4499/lil-node-app.git +refs/heads/\*:refs/remotes/origin/\* # timeout=10', and 'git rev-parse refs/remotes/origin/main/commit: # timeout=10'.

> task2 > #2

```
9e0/a1/re/42: Mounted from library/node
4d315666b17: Pushed
fc6a9c6fdf7c: Pushed
5ffdd8016f56: Mounted from library/node
9a0dc4065ec9: Pushed
adc99b871e15: Mounted from library/node
617df26c9e2b: Mounted from library/node
aeca87e24379: Pushed
2: digest: sha256:2b84797396a2103b984314dca2aa5b8cbb1517cc3de9452263c117d3c5a0492a size:
1995
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withCredentials
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

REST API

Jenkins 2.492.2

> task2 > Configuration

## gure

eral

jers

line

nced

### Definition

Pipeline script

#### Script ?

```
1 pipeline {
2   agent any
3
4   environment {
5     DOCKERHUB_CREDENTIALS = credentials('docker-taken')
6     APP_NAME = "karthayeni/kavya"
7   }
8
9   stages {
10    stage('SCM Checkout') {
11      steps {
12        git branch: 'main', url: 'https://github.com/lily4499/lil-node-app.git'
13      }
14    }
15
16    stage('Build Docker Image') {
17      steps {
18        sh 'docker build -t $APP_NAME:$BUILD_NUMBER .'
19      }
20    }
21  }
22 }
```

☒ Use Groovy Sandbox ?

[Pipeline Syntax](#)

Save

Apply

## gure

eral

jers

line

inced

### Definition

Pipeline script

#### Script ?

```
16 stage('Build Docker Image') {
17   steps {
18     sh 'docker build -t $APP_NAME:$BUILD_NUMBER .'
19   }
20 }
21
22 stage('Login to DockerHub') {
23   steps {
24     sh 'echo $DOCKERHUB_CREDENTIALS_PSW | docker login -u $DOCKERHUB_CREDENTIALS_USR --password-stdin'
25   }
26 }
27
28 stage('Push Docker Image') {
29   steps {
30     sh 'docker push $APP_NAME:$BUILD_NUMBER'
31   }
32 }
33 }
34 }
```

☒ Use Groovy Sandbox ?

[Pipeline Syntax](#)

Save

Apply