

CC LAB-8

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SRN: PES2UG23CS819

TASK 1

The screenshot shows the VS Code interface with a Dockerfile open. The Dockerfile content is as follows:

```

FROM jenkins/jenkins:lts
#FROM ubuntu:20.04
# if we want to install via apt
USER root
RUN apt-get update && apt-get install -y make && apt-get install -y g++ --fix-missing
# drop back to the regular jenkins user - good practice
USER jenkins

```

The terminal output shows the following messages:

```

2025-03-17 09:29:30.173+0000 [id=68] INFO hudson.util.Retrier#start: Attempt #1 to do the action check updates server
2025-03-17 09:29:30.705+0000 [id=37] INFO jenkins.install.SetupWizard#init:

*****
*****
*****

Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

250274e2bece4f15b8dc71625db5dfe3

This may also be found at: /var/jenkins_home/secrets/initialAdminPassword
*****
*****

```

TASK 2

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Jenkins

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Dashboard > pes2ug23cs819-1 > #1 > Console Output

Status

</> Changes

📄 Console Output

📄 Edit Build Information

🗑️ Delete build '#1'

🕒 Timings

🔍 Git Build Data

✅ Console Output

Download

Copy

View as plain text

```
Started by user Rohit rajendra yakkundi
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/pes2ug23cs819-1
The recommended git tool is: NONE
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/rohit9481/pes2ug23cs819_Jenkins.git
> git init /var/jenkins_home/workspace/pes2ug23cs819-1 # timeout=10
Fetching upstream changes from https://github.com/rohit9481/pes2ug23cs819_Jenkins.git
> git --version # timeout=10
> git --version # 'git version 2.39.5'
> git fetch --tags --force --progress -- https://github.com/rohit9481/pes2ug23cs819_Jenkins.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git config remote.origin.url https://github.com/rohit9481/pes2ug23cs819_Jenkins.git # timeout=10
> git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
Avoid second fetch
Seen branch in repository origin/main
Seen 1 remote branch
> git show-ref --tags -d # timeout=10
Checking out Revision b347b60154b024bf276055bf09379cf7ac39874 (origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f b347b60154b024bf276055bf09379cf7ac39874 # timeout=10
Commit message: "modified main file"
First time build. Skipping changelog.
[pes2ug23cs819-1] $ /bin/sh -xe /tmp/jenkins3750068775586390070.sh
```

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Dashboard > All > Build History

+ New Item

📄 Build History

⚙️ Manage Jenkins

📄 My Views

Build Queue

No builds in the queue.

Build Executor Status

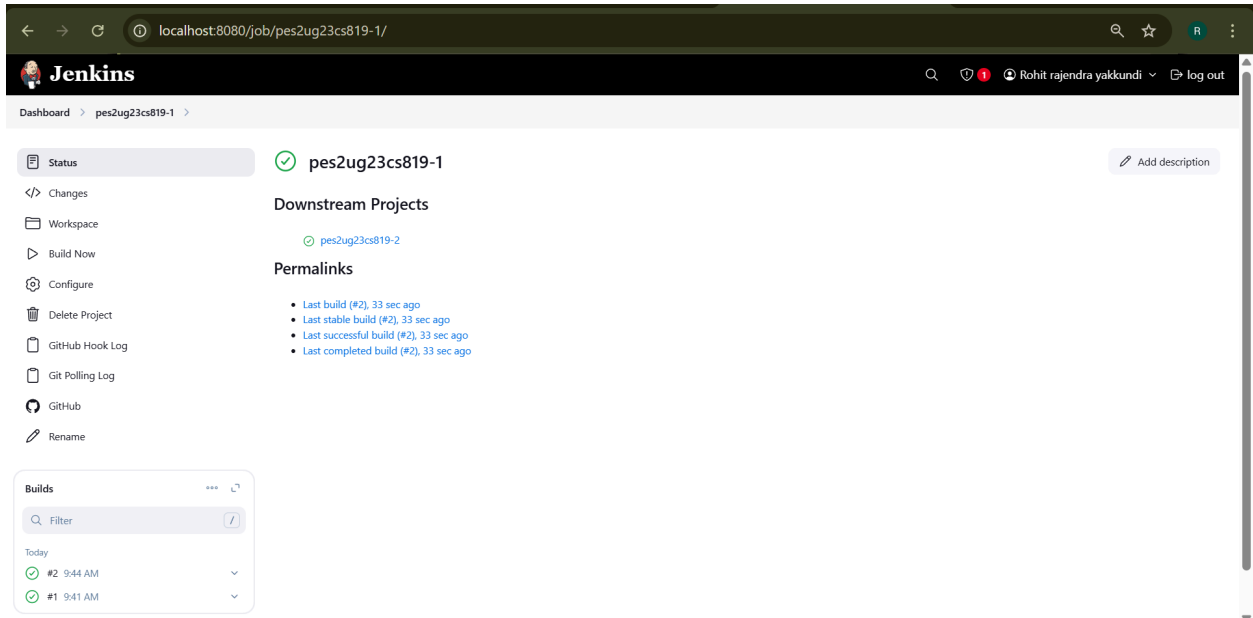
0/2

Build History of Jenkins

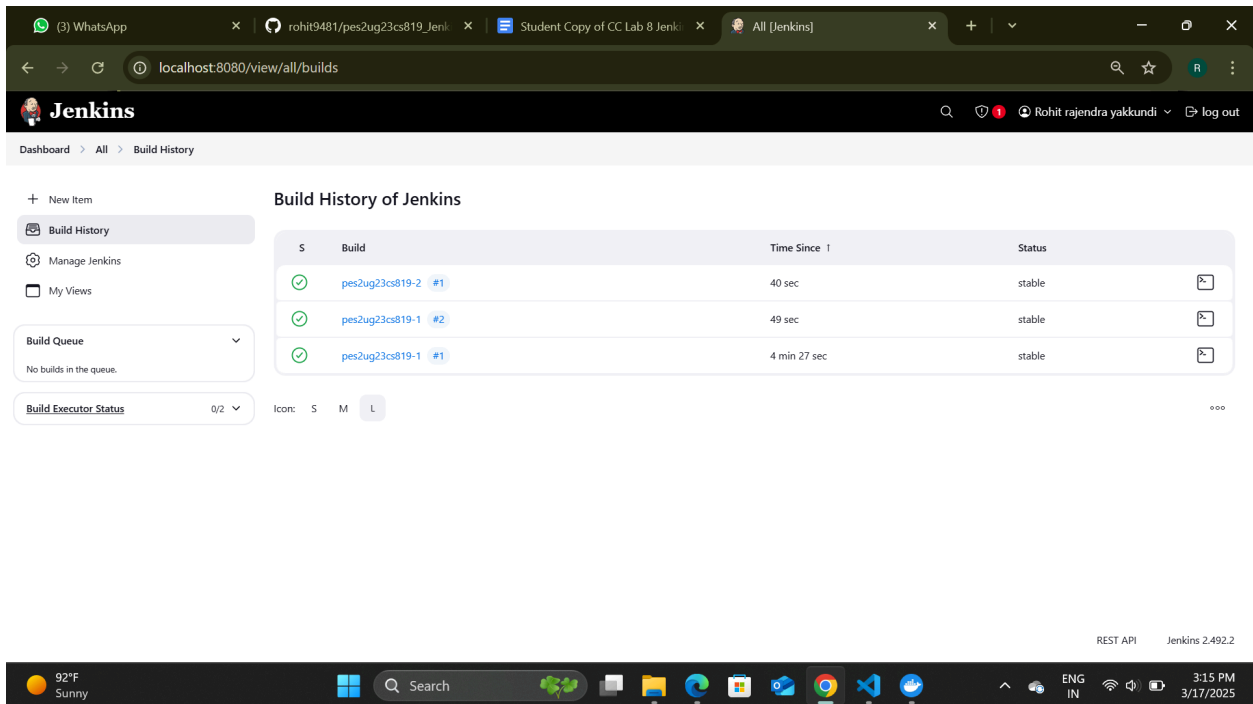
| S | Build | Time Since | Status |
|---|--------------------|--------------|--------|
| ✅ | pes2ug23cs819-1 #1 | 1 min 10 sec | stable |

Icon: S M L

TASK 3



The screenshot shows the Jenkins web interface for a job named 'pes2ug23cs819-1'. The browser address bar indicates the URL is 'localhost:8080/job/pes2ug23cs819-1/'. The Jenkins logo and navigation menu are visible at the top. The job status is 'Success' (green checkmark). The left sidebar contains links for Status, Changes, Workspace, Build Now, Configure, Delete Project, GitHub Hook Log, Git Polling Log, GitHub, and Rename. The main content area shows 'Downstream Projects' (pes2ug23cs819-2) and 'Permalinks' (Last build, Last stable build, Last successful build, Last completed build, all 33 sec ago). A 'Builds' panel on the left shows a list of builds: #2 at 9:44 AM and #1 at 9:41 AM, both with green status icons.



The screenshot shows the Jenkins 'Build History of Jenkins' page. The browser address bar indicates the URL is 'localhost:8080/view/all/builds'. The Jenkins logo and navigation menu are visible at the top. The left sidebar contains links for New Item, Build History, Manage Jenkins, My Views, Build Queue, and Build Executor Status. The main content area displays a table of build history:

| S | Build | Time Since | Status |
|---|--------------------|--------------|--------|
| ✓ | pes2ug23cs819-2 #1 | 40 sec | stable |
| ✓ | pes2ug23cs819-1 #2 | 49 sec | stable |
| ✓ | pes2ug23cs819-1 #1 | 4 min 27 sec | stable |

The bottom of the page shows the system tray with weather (92°F Sunny), search, taskbar, and system clock (3:15 PM 3/17/2025).

TASK 4

The image shows two screenshots from a Windows desktop environment. The top screenshot is a web browser window displaying the GitHub repository settings for 'pes2ug23cs819_Jenkins'. The 'Webhooks' tab is selected, showing a single webhook configuration with the URL 'http://bore.smuz.me:54814/github-...' and a note that the hook has never been triggered. The bottom screenshot is the Jenkins web interface, specifically the 'Console Output' for a build. The output shows a successful build process initiated by user 'Rohit rajendra yakkundi', running as SYSTEM, and executing a script that prints 'Hello, World123' and 'Hello, Jenkins'.

GitHub Webhooks Settings

Okay, that hook was successfully created. We sent a ping payload to test it out! Read more about it at <https://docs.github.com/webhooks/#ping-event>.

Webhooks

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

- [http://bore.smuz.me:54814/github-... \(push\)](#) Edit Delete

This hook has never been triggered.

Jenkins Console Output

Started by user Rohit rajendra yakkundi
Running as SYSTEM
Building in workspace /var/jenkins_home/workspace/pes2ug23cs819-2
[pes2ug23cs819-2] \$ /bin/sh -xe /tmp/jenkins8261491567430859125.sh
+ cd /var/jenkins_home/workspace/pes2ug23cs819-1/main/
+ ./hello_exec
Hello, World123
Hello, Jenkins
I have successfully built and run this
Finished: SUCCESS