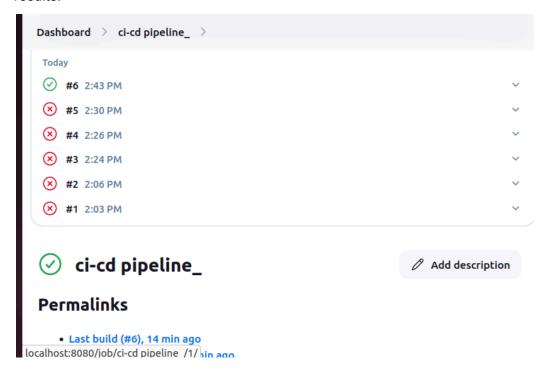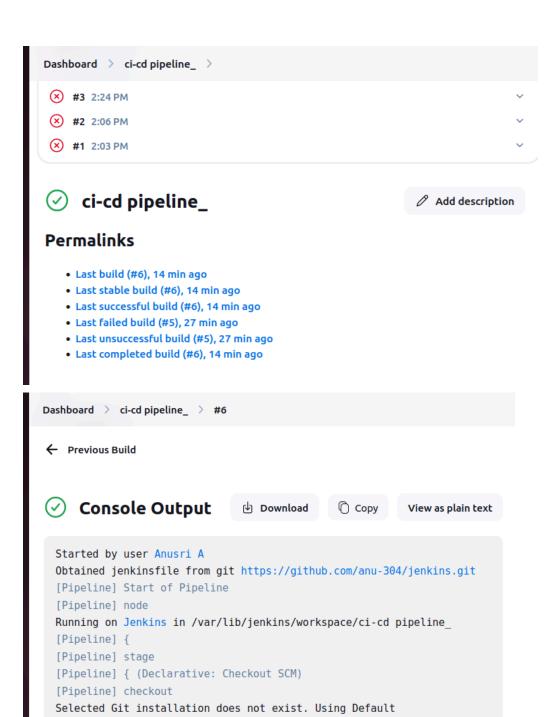# DEVOPS TASK 2

Step 1: Open Jenkins and click "New Item."

Step 2 : Enter a project name, select "Pipeline," then click OK.

Step 3 : In the General tab, scroll down to the "Pipeline" section.

Step 4 : Under "Definition," select "Pipeline script from SCM."

Step 5 : In the SCM field, choose "Git," then enter your GitHub repository URL.

Step 6 : Ensure your GitHub repository contains the following files:

- app.py (Application code)
- Dockerfile (Instructions to build the Docker image)
- docker-compose.yml (For container orchestration)
- Jenkinsfile (Defines the pipeline stages)
- requirements.txt (Dependencies for the application)

Step 7 : Click "Save" to apply the configuration.

Step 8 : On the project page, click "Build Now" to start the job.

Step 9 : The build status will appear in the Build History panel (left-side panel).

Step 10 : Click on the latest build (#1, #2, etc.) and select "Console Output" to view logs and results.

Dashboard > ci-cd pipeline_ >

Today

✓ #6 2:43 PM

✕ #5 2:30 PM

✕ #4 2:26 PM

✕ #3 2:24 PM

✕ #2 2:06 PM

✕ #1 2:03 PM

✓ **ci-cd pipeline_**   ✎ Add description

Permalinks

- Last build (#6), 14 min ago

localhost:8080/job/ci-cd pipeline /1/ min ago

ⓧ **#3** 2:24 PM ⌄

ⓧ **#2** 2:06 PM ⌄

ⓧ **#1** 2:03 PM ⌄

✓ ci-cd pipeline_

✎ Add description

Permalinks

- Last build (#6), 14 min ago
- Last stable build (#6), 14 min ago
- Last successful build (#6), 14 min ago
- Last failed build (#5), 27 min ago
- Last unsuccessful build (#5), 27 min ago
- Last completed build (#6), 14 min ago

← **Previous Build**

✓ Console Output

⬇ Download   ⎘ Copy   **View as plain text**

```
Started by user Anusri A
Obtained jenkinsfile from git https://github.com/anu-304/jenkins.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/ci-cd pipeline_
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
```

```
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Declarative: Post Actions)
[Pipeline] echo
Pipeline executed successfully!
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Commands to overcome error in Task 2:

1. Usermod -aG docker jenkins
2. Apt-get install docker-compose
3. Chmod 777 /var/run/docker.sock