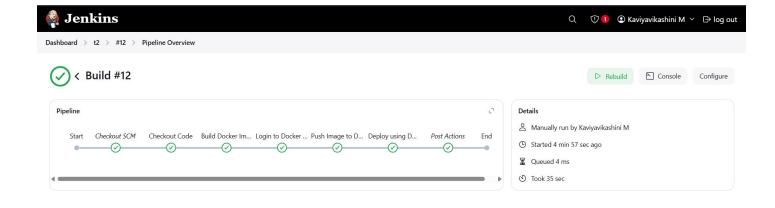
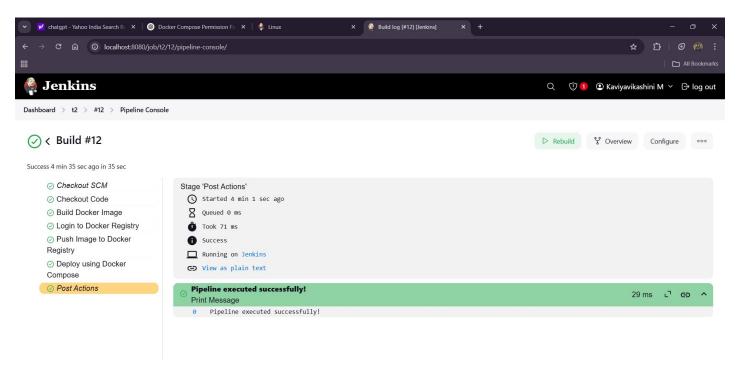
## TASK 2

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.
<b>Step 6:</b> 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 <b>Build History</b> panel (left-side panel).
<b>Step 10:</b> Click on the latest build (#1, #2, etc.) and select "Console Output" to view logs and results.

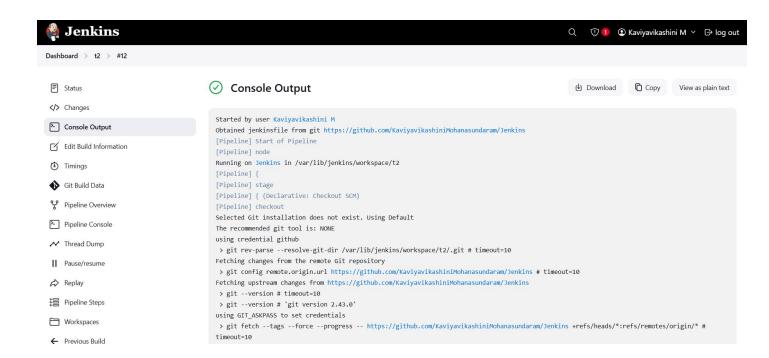


Jenkins 2.492.2



Jenkins 2.492.2





```
Dashboard > t2 > #12
                                                + docker-compose up -d
                                                t2_redis_1 is up-to-date
                                                t2_db_1 is up-to-date
                                                t2_app_1 is up-to-date
                                                [Pipeline] }
                                                [Pipeline] // script
                                                [Pipeline] }
[Pipeline] // stage
                                                [Pipeline] stage
                                                [Pipeline] { (Declarative: Post Actions)
                                                Pipeline executed successfully!
                                                [Pipeline] ]
                                                [Pipeline] // stage
                                                [Pipeline] }
                                                [Pipeline] // withEnv
                                                [Pipeline] }
                                                [Pipeline] // withEnv
                                                [Pipeline] }
                                                [Pipeline] // node
                                                [Pipeline] End of Pipeline
                                                Finished: SUCCESS
```

