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)

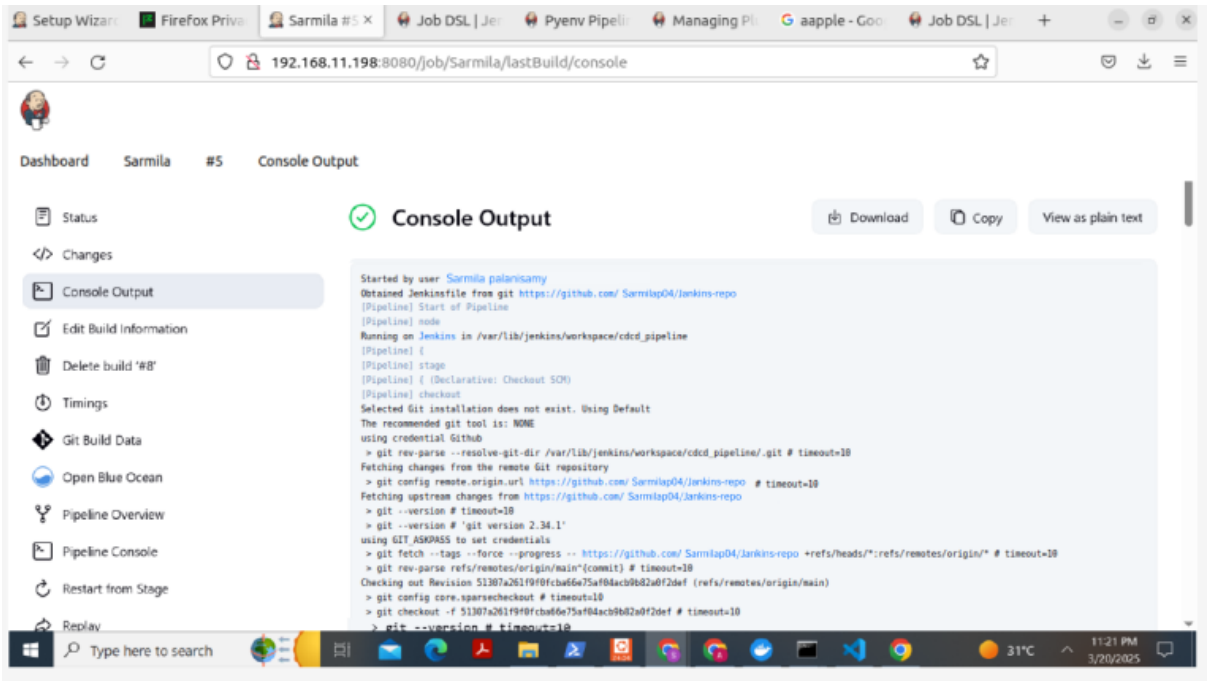
● requirements.txt (Dependencies for the application)

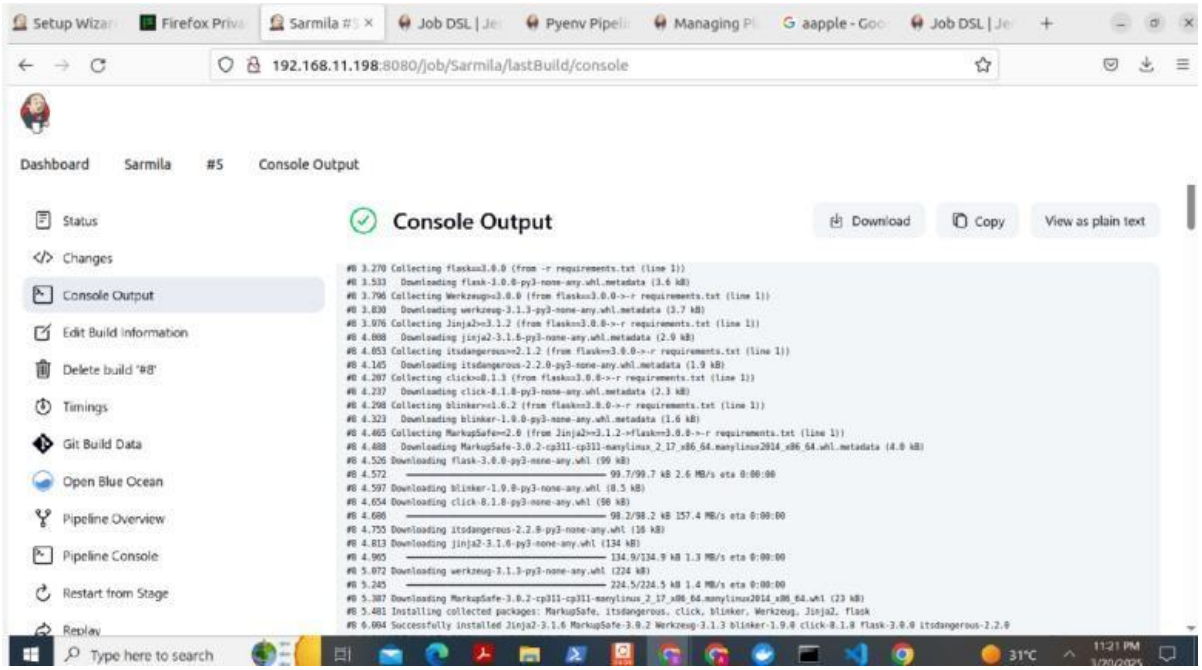
Step 7: Click **"Save"** to apply the configuration.

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.


192.168.11.198:8080/job/Sarmila/lastBuild/console
Dashboard
Sarmila
#5
Console Output
Status
Changes
Console Output
Edit Build Information
Delete build '#8'
Timings
Git Build Data
Open Blue Ocean
Pipeline Overview
Pipeline Console
Restart from Stage
Replay
Console Output
Download
Copy
View as plain text
Started by user Sarmila palanisamy
Obtained Jenkinsfile from git https://github.com/ Sarmilap04/Jankins-repo
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/cdcd_pipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
using credential Github
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/cdcd_pipeline/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/ Sarmilap04/Jankins-repo # timeout=10
Fetching upstream changes from https://github.com/ Sarmilap04/Jankins-repo
> git --version # timeout=10
> git --version # 'git version 2.34.1'
using GIT_ASKPASS to set credentials
> git fetch --tags --force --progress -- https://github.com/ Sarmilap04/Jankins-repo +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision 51307a261f9f0fcba66e75af04acb9b82a0f2def (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f 51307a261f9f0fcba66e75af04acb9b82a0f2def # timeout=10
Type here to search
31°C
11:21 PM
3/20/2025


192.168.11.198:8080/job/Sarmila/lastBuild/console
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#8 3.270 Collecting flask<=3.0.0 (from -r requirements.txt (line 1))
#8 3.533 Downloading flask-3.0.0-py3-none-any.whl.metadata (3.6 kB)
#8 3.796 Collecting Werkzeug>=3.0.0 (from flask<=3.0.0->-r requirements.txt (line 1))
#8 3.830 Downloading werkzeug-3.1.3-py3-none-any.whl.metadata (3.7 kB)
#8 3.976 Collecting Jinja2>=3.1.2 (from flask<=3.0.0->-r requirements.txt (line 1))
#8 4.008 Downloading jinja2-3.1.6-py3-none-any.whl.metadata (2.9 kB)
#8 4.053 Collecting itsdangerous>=2.1.2 (from flask<=3.0.0->-r requirements.txt (line 1))
#8 4.145 Downloading itsdangerous-2.2.0-py3-none-any.whl.metadata (1.9 kB)
#8 4.207 Collecting click>=8.1.3 (from flask<=3.0.0->-r requirements.txt (line 1))
#8 4.237 Downloading click-8.1.8-py3-none-any.whl.metadata (2.3 kB)
#8 4.298 Collecting blinker>=1.6.2 (from flask<=3.0.0->-r requirements.txt (line 1))
#8 4.323 Downloading blinker-1.9.0-py3-none-any.whl.metadata (1.6 kB)
#8 4.465 Collecting MarkupSafe>=2.0 (from Jinja2>=3.1.2->flask<=3.0.0->-r requirements.txt (line 1))
#8 4.488 Downloading MarkupSafe-3.0.2-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_64.whl.metadata (4.0 kB)
#8 4.526 Downloading flask-3.0.0-py3-none-any.whl (99 kB)
#8 4.572 ━━ 99.7/99.7 kB 2.6 MB/s eta 0:00:00
#8 4.597 Downloading blinker-1.9.0-py3-none-any.whl (8.5 kB)
#8 4.654 Downloading click-8.1.8-py3-none-any.whl (98 kB)
#8 4.686 ━━ 98.2/98.2 kB 157.4 MB/s eta 0:00:00
#8 4.755 Downloading itsdangerous-2.2.0-py3-none-any.whl (16 kB)
#8 4.813 Downloading Jinja2-3.1.6-py3-none-any.whl (134 kB)
#8 4.965 ━━ 134.9/134.9 kB 1.3 MB/s eta 0:00:00
#8 5.072 Downloading werkzeug-3.1.3-py3-none-any.whl (224 kB)
#8 5.245 ━━ 224.5/224.5 kB 1.4 MB/s eta 0:00:00
#8 5.387 Downloading MarkupSafe-3.0.2-cp311-cp311-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (23 kB)
#8 5.481 Installing collected packages: MarkupSafe, itsdangerous, click, blinker, Werkzeug, Jinja2, flask
#8 6.004 Successfully installed Jinja2-3.1.6 MarkupSafe-3.0.2 Werkzeug-3.1.3 blinker-1.9.0 click-8.1.8 flask-3.0.0 itsdangerous-2.2.0
Type here to search
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11:21 PM

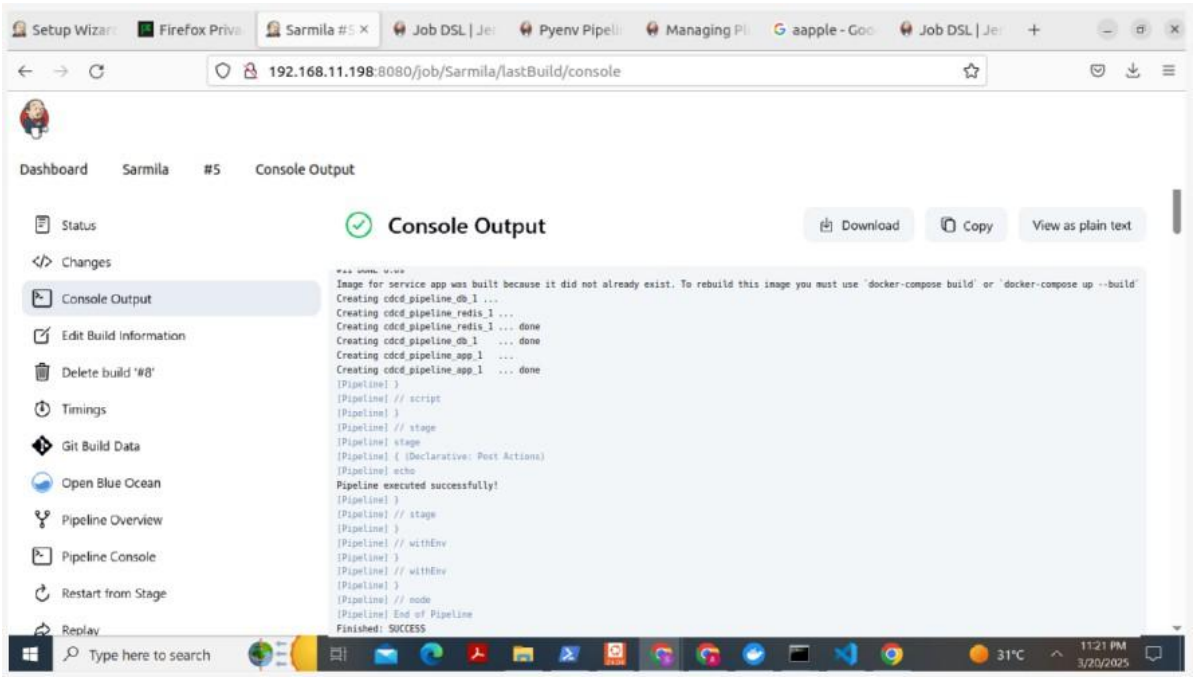
Setup Wizard
Firefox Private
Sarmila #5
Job DSL | Jenkins
Pyenv Pipeline
Managing Plugins
aapple - Google Search
Job DSL | Jenkins
192.168.11.198:8080/job/Sarmila/lastBuild/console
Dashboard
Sarmila
#5
Console Output
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Image for service app was built because it did not already exist. To rebuild this image you must use `docker-compose build` or `docker-compose up --build`.
Creating cdcd_pipeline_db_1 ...
Creating cdcd_pipeline_redis_1 ...
Creating cdcd_pipeline_redis_1 ... done
Creating cdcd_pipeline_db_1 ... done
Creating cdcd_pipeline_app_1 ...
Creating cdcd_pipeline_app_1 ... done
[Pipeline] }
[Pipeline] // script
[Pipeline] }
[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
Type here to search
31°C
11:21 PM
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