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.















