DEVOPS

ASSIGNMENT 2 – PIPELINES

**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.

**OUTPUT:**







