ASSIGNMENT-5

Setting Up and Running a Jenkins Pipeline with Git and Maven

Step 1: Clone the Repository

- 1. Open Command Prompt and navigate to a desired directory.
- 2. Run the command: git clone https://github.com/Parinithavarshini/Assignment_1.git
- 3. Navigate into the cloned directory: cd Assignment 1

Step 2: Access Jenkins Inside Docker

- 1. Run the following command to enter the Jenkins container: docker exec -it jenkins-blueocean /bin/bash
- 2. Navigate to the cloned repository inside the container: cd Assignment 1

Step 3: Install Maven

- Inside the Jenkins container, install Maven by running: sudo apt-get install -y maven
 This will install Maven and set up dependencies.
- 2. Verify Maven installation: mvn -version

Step 4: Run the Jenkins Pipeline

- 1. Open Jenkins in your browser.
- 2. Click on New Item.
- 3. Enter the item name (e.g., Task-5).
- 4. Select Pipeline and click OK.
- 5. Open the newly created pipeline (Task-5).
- 6. Click on Configure.
- 7. Under the Pipeline section, choose Pipeline script from SCM.
- Select Git as the SCM.
 Paste your Git repository URL (e.g., https://github.com/Parinithavarshini/Assignment_1.git)
- 9. Click Save.
- 10. Click on Build Now to start the pipeline.

Step 5: Verify the Build Output

- 1. Monitor the build progress under Build History in Jenkins.
- 2. If the build is successful, verify the output.
- 3. If there are errors, check the logs in Console Output and fix any issues.

OUTPUT:

