**TASK-5**

**MAVEN**

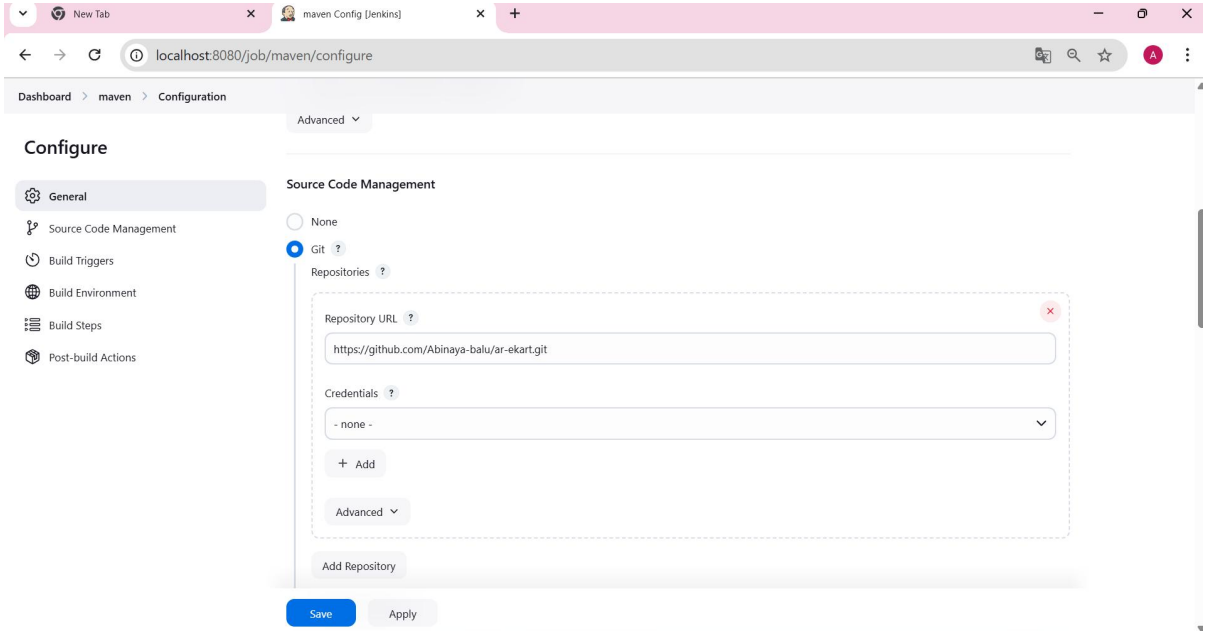
Name: Abinaya B T

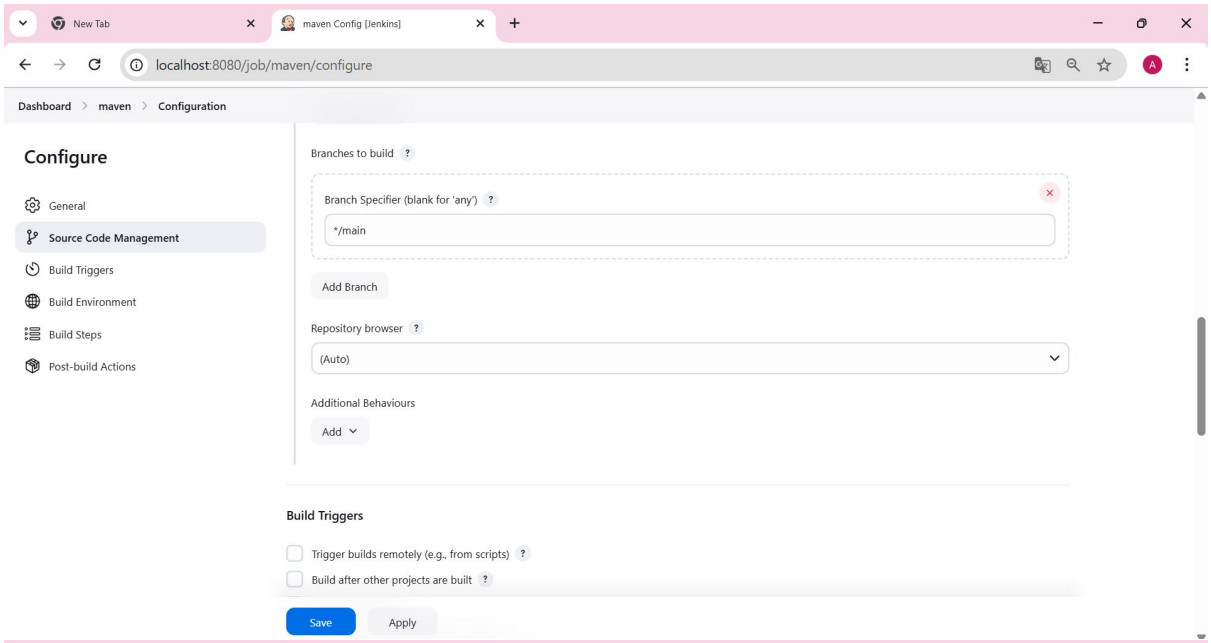
Roll no:22ISR001

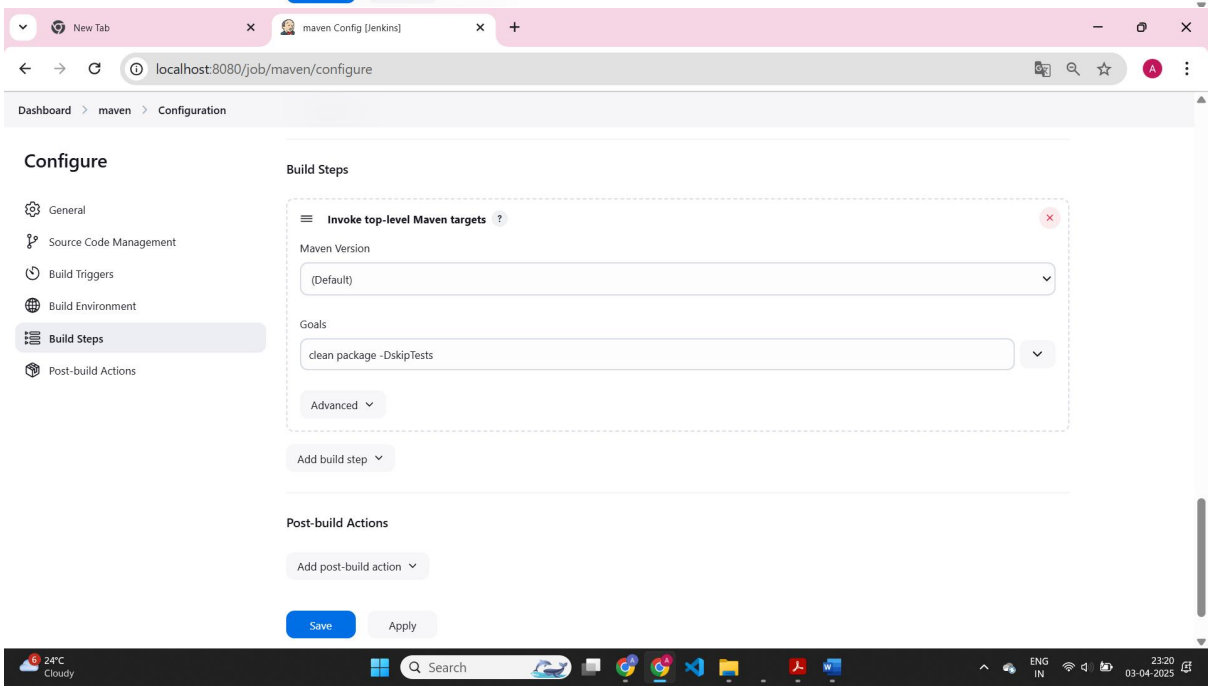
1. **Install Java and Maven on Ubuntu**

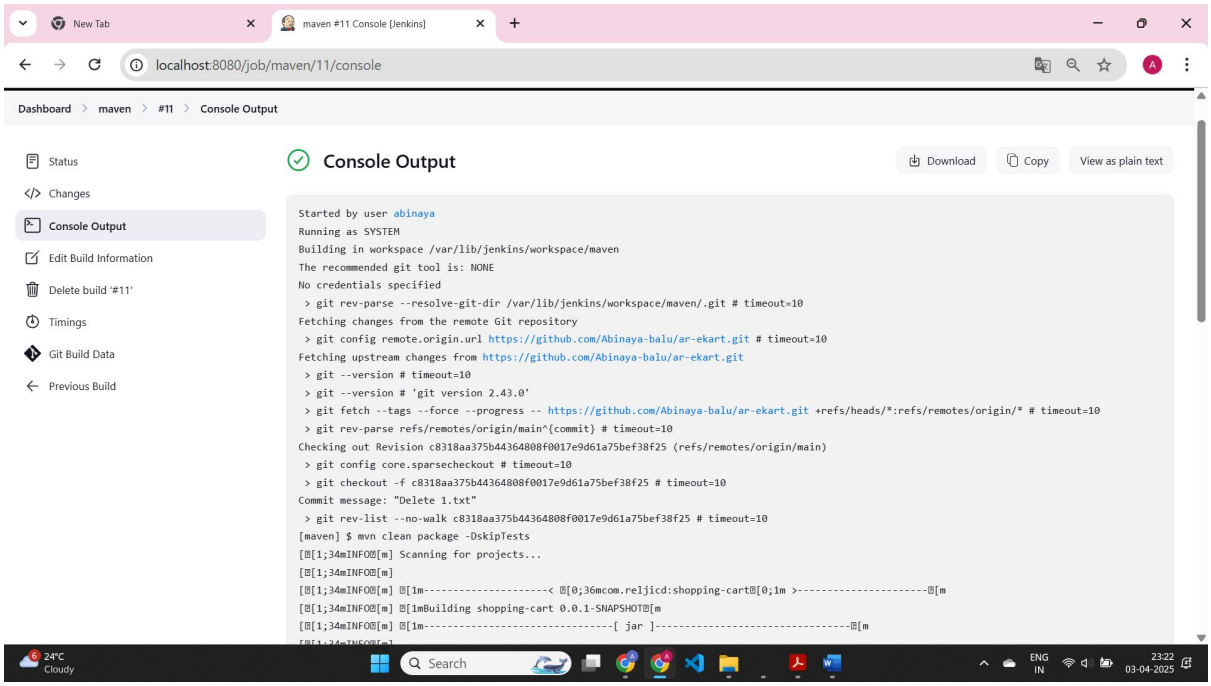
- Verify installation:

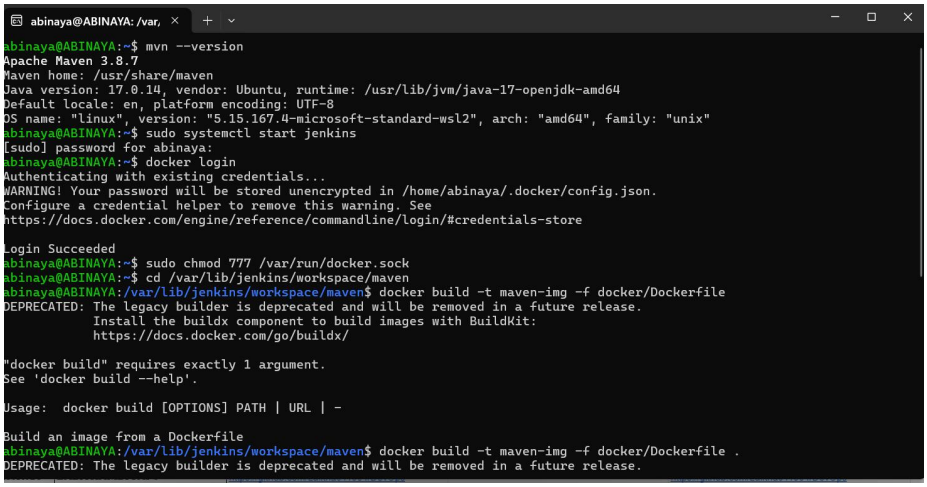
2.Configure Jenkins

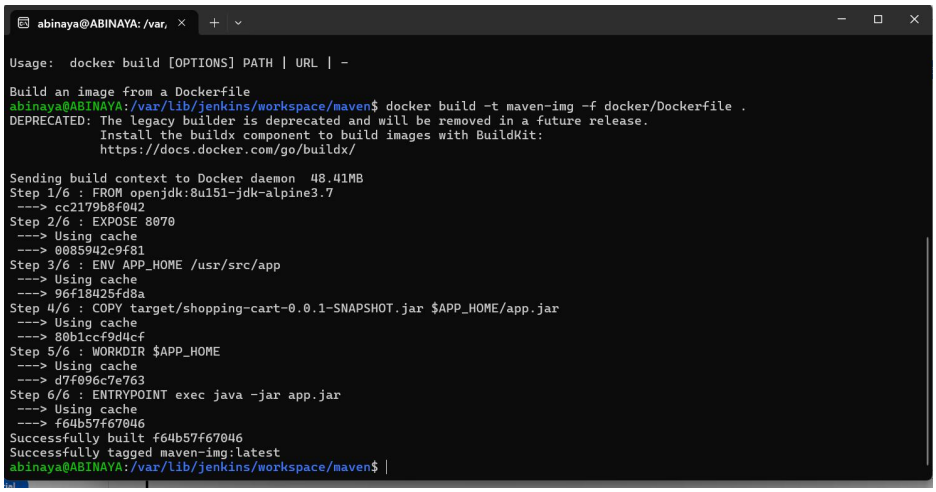


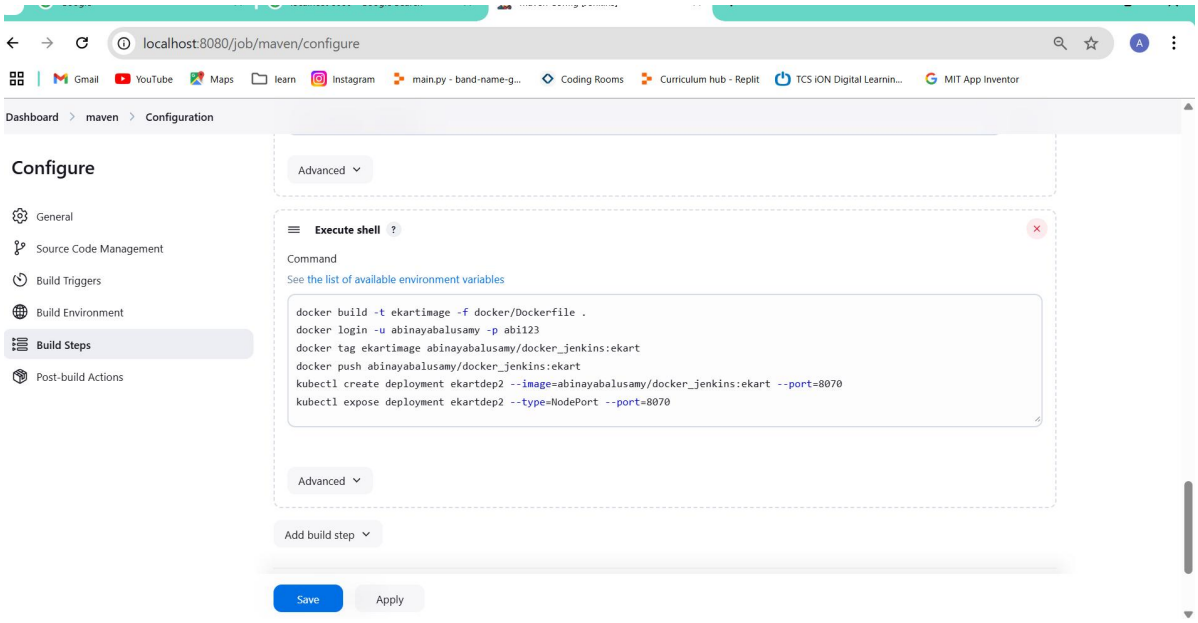

New Tab
maven Config [Jenkins]
localhost:8080/job/maven/configure
Dashboard
maven
Configuration
Configure
General
Source Code Management
Build Triggers
Build Environment
Build Steps
Post-build Actions
Branches to build
Branch Specifier (blank for 'any')
*/main
Add Branch
Repository browser
(Auto)
Additional Behaviours
Add
Build Triggers
Trigger builds remotely (e.g., from scripts)
Build after other projects are built
Save
Apply


New Tab
maven Config [Jenkins]
localhost:8080/job/maven/configure
Dashboard
maven
Configuration
Configure
General
Source Code Management
Build Triggers
Build Environment
Build Steps
Post-build Actions
Build Steps
Invoke top-level Maven targets
Maven Version
(Default)
Goals
clean package -DskipTests
Advanced
Add build step
Post-build Actions
Add post-build action
Save
Apply
24°C
Cloudy
Search
ENG
IN
23:20
03-04-2025


New Tab
maven #11 Console [Jenkins]
localhost:8080/job/maven/11/console
Dashboard > maven > #11 > Console Output
Status
Changes
Console Output
Edit Build Information
Delete build '#11'
Timings
Git Build Data
Previous Build
Console Output
Download
Copy
View as plain text
Started by user abinaya
Running as SYSTEM
Building in workspace /var/lib/jenkins/workspace/maven
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/maven/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/Abinaya-balu/ar-ekart.git # timeout=10
Fetching upstream changes from https://github.com/Abinaya-balu/ar-ekart.git
> git --version # timeout=10
> git --version # 'git version 2.43.0'
> git fetch --tags --force --progress -- https://github.com/Abinaya-balu/ar-ekart.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision c8318aa375b44364808f0017e9d61a75bef38f25 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f c8318aa375b44364808f0017e9d61a75bef38f25 # timeout=10
Commit message: "Delete 1.txt"
> git rev-list --no-walk c8318aa375b44364808f0017e9d61a75bef38f25 # timeout=10
[maven] $ mvn clean package -DskipTests
[INFO] Scanning for projects...
[INFO]
[INFO] ----------------------< com.reljicd:shopping-cart >----------------------
[INFO] Building shopping-cart 0.0.1-SNAPSHOT
[INFO] --------------------------------[ jar ]---------------------------------
24°C
Cloudy
Search
ENG
IN
23:22
03-04-2025

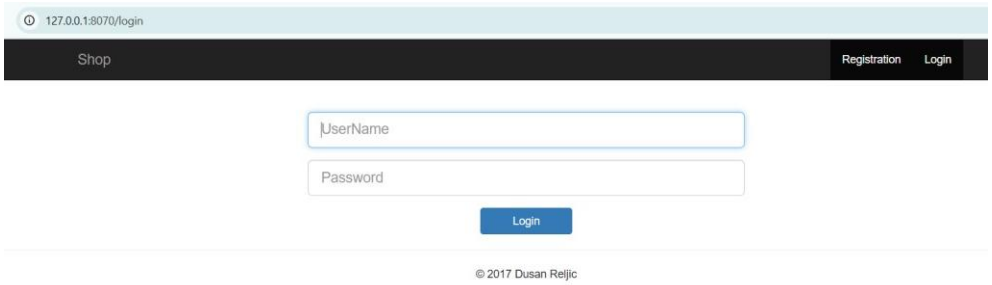

abinaya@ABINAYA: /var,
abinaya@ABINAYA:~$ mvn --version
Apache Maven 3.8.7
Maven home: /usr/share/maven
Java version: 17.0.14, vendor: Ubuntu, runtime: /usr/lib/jvm/java-17-openjdk-amd64
Default locale: en, platform encoding: UTF-8
OS name: "linux", version: "5.15.167.4-microsoft-standard-WSL2", arch: "amd64", family: "unix"
abinaya@ABINAYA:~$ sudo systemctl start jenkins
[sudo] password for abinaya:
abinaya@ABINAYA:~$ docker login
Authenticating with existing credentials...
WARNING! Your password will be stored unencrypted in /home/abinaya/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
Login Succeeded
abinaya@ABINAYA:~$ sudo chmod 777 /var/run/docker.sock
abinaya@ABINAYA:~$ cd /var/lib/jenkins/workspace/maven
abinaya@ABINAYA:/var/lib/jenkins/workspace/maven$ docker build -t maven-img -f docker/Dockerfile
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/
"docker build" requires exactly 1 argument.
See 'docker build --help'.
Usage: docker build [OPTIONS] PATH | URL | -
Build an image from a Dockerfile
abinaya@ABINAYA:/var/lib/jenkins/workspace/maven$ docker build -t maven-img -f docker/Dockerfile .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.


abinaya@ABINAYA: /var,
Usage: docker build [OPTIONS] PATH | URL | -
Build an image from a Dockerfile
abinaya@ABINAYA:/var/lib/jenkins/workspace/maven$ docker build -t maven-img -f docker/Dockerfile .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
Install the buildx component to build images with BuildKit:
https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 48.41MB
Step 1/6 : FROM openjdk:8u151-jdk-alpine3.7
---> cc2179b8f042
Step 2/6 : EXPOSE 8070
---> Using cache
---> 0085942c9f81
Step 3/6 : ENV APP_HOME /usr/src/app
---> Using cache
---> 96f18425fd8a
Step 4/6 : COPY target/shopping-cart-0.0.1-SNAPSHOT.jar $APP_HOME/app.jar
---> Using cache
---> 80b1ccf9d4cf
Step 5/6 : WORKDIR $APP_HOME
---> Using cache
---> d7f096c7e763
Step 6/6 : ENTRYPOINT exec java -jar app.jar
---> Using cache
---> f64b57f67046
Successfully built f64b57f67046
Successfully tagged maven-img:latest
abinaya@ABINAYA:/var/lib/jenkins/workspace/maven$




**Get Minikube service URL:**

minikube service svc

**OUTPUT:**

http://127.0.0.1:8070/login