**Jenkins script**

pipeline {

agent any

triggers {

pollSCM('\* \* \* \* \*')

}

// Got permission denied while trying to connect to the Docker daemon socket at unix.

// sudo usermod -a -G docker jenkins

// restart jenkins server -> sudo service jenkins restart

stages {

stage('Maven Compile') {

steps {

echo '----------------- This is a compile phase ----------'

sh 'mvn clean compile'

}

}

stage('Maven Test') {

steps {

echo '----------------- This is a Test phase ----------'

sh 'mvn clean test'

}

}

stage('Maven Build') {

steps {

echo '----------------- This is a build phase ----------'

sh 'mvn clean package -DskipTests'

}

}

stage('Docker Build') {

steps {

echo '----------------- This is a build docker image phase ----------'

sh '''

docker image build -t ecom-webservice .

'''

}

}

stage('Docker Deploy') {

steps {

echo '----------------- This is a docker deploment phase ----------'

sh '''

(if [ $(docker ps -a | grep ecom-webservice | cut -d " " -f1) ]; then \

echo $(docker rm -f ecom-webservice); \

echo "---------------- successfully removed ecom-webservice ----------------"

else \

echo OK; \

fi;);

docker container run --restart always --name ecom-webservice -p 8081:8081 -d ecom-webservice

'''

}

}

}

}

**Docker file**

FROM openjdk:8-jdk

COPY ./target/ecom-webservice-0.0.1-SNAPSHOT.jar ecom-webservice-0.0.1-SNAPSHOT.jar

CMD ["java" ,"-jar","ecom-webservice-0.0.1-SNAPSHOT.jar"]

RUN echo "jenkins ALL=(ALL) NOPASSWD: ALL" >> /etc/sudoers

#-> Create a image for springboot webservice

# --> Dockerfile

# - -> docker image build -t <imagetagname> .

#-> run container by using custom image

# -> docker container run --name <ecom-web-service> -p 8081:8081 -d <ecom-webservice>

#-> verify log

# -> docker container log <container-name>