Task 5:

NAME: VIBUDESH R B Roll

No: 22CSR233

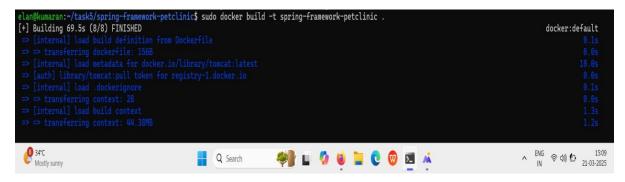
Step 1: Install Maven

```
elan@kumaran:~$ sudo apt install maven
[sudo] password for elan:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
maven is already the newest version (3.8.7-2).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
```

Step 2: Clone a java repository with docker and Jenkins file and run mvn install and mvn package in it.

```
Plan@kumaran:-/task5/spring-framework-petclinic$ mvn install
[INFO] Scanning for projects...
[INFO] Building Spring Framework Petclinic 6.1.4
[INFO] --- maven-enforcer-plugin:3.4.1:enforce (enforce-maven) @ spring-framework-petclinic ---
[INFO] Rule 0: org.apache.maven.enforcer.rules.version.RequireMavenVersion passed
[INFO] --- jacoco-maven-plugin:0.8.11:prepare-agent (prepare-agent) @ spring-framework-petclinic ---
[INFO] argline set to -javaagent:/home/elan/.m2/repository/org/jacoco/org.jacoco.agent/0.8.11/org.jacoco.agent-0.8.1
rtime.jar=destfile=/home/elan/task5/spring-framework-petclinic/target/jacoco.exec
[INFO] --- maven-resources-plugin:3.3.1:resources (default-resources) @ spring-framework-petclinic ---
[INFO] Copying 21 resources from src/main/resources to target/classes
[INFO] --- maven-compiler-plugin:3.11.0:compile (default-compile) @ spring-framework-petclinic ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-resources-plugin:3.3.1:testResources (default-testResources) @ spring-framework-petclinic ---
[INFO] Copying 1 resources from src/test/java to target/test-classes
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ spring-framework-petclinic ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-compiler-plugin:3.11.0:testCompile (default-testCompile) @ spring-framework-petclinic ---
[INFO] Nothing to compile - all classes are up to date
[INFO] --- maven-surefire-plugin:3.12.3:test (default-test) @ spring-framework-petclinic ---
[INFO] Nothing to compile - all classes are up to date
```

Step 3: check the name of the war file and the file name in docker and build the docker image



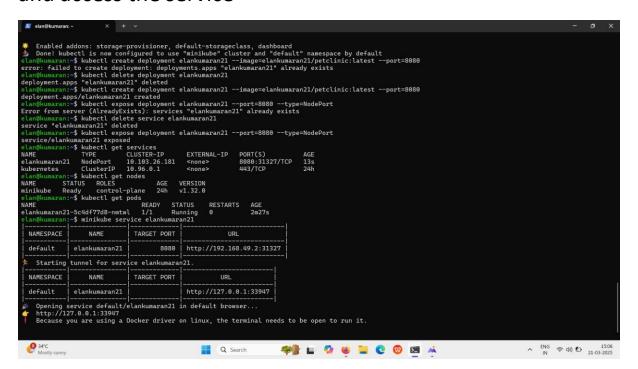
Step 4: push the image to docker hub



```
elan@kumaran:~$ docker push elankumaran21/petclinic:latest
The push refers to repository [docker.io/elankumaran21/petclinic]
d5a5ba3a6d0b6: Pushed
5f70bf18a808: Nounted from library/tomcat
6f0bf02a6a33: Mounted from library/tomcat
49c51bc2daeb: Mounted from library/tomcat
49c51bc2daeb: Mounted from library/tomcat
39cf8ac89a5a: Mounted from library/tomcat
49d4dcf94898: Mounted from library/tomcat
49d4dcf94898: Mounted from library/tomcat
49d4dcf94898: Mounted from library/tomcat
49cf8ac89a5a: Mounted from library/tomcat
49cf8ac89a5a: Mounted from library/tomcat
40f26def95488: Mounted from library/tomcat
40f26def95488: Mounted from library/tomcat
40f26def95488: Mounted from library/tomcat
40f26def9548: Mounted from library/tomcat
40f26def9548: Mounted from library/tomcat
40f26def9548: Mounted from library/tomcat
40f26def9554: Mounted from library/tomcat
40f26def9554: Mounted from library/tomcat
```

Step 5: start minikube

Step 6: Create and expose deployment for the docker image and access the service



Output:

