Task 5:

NAME: Elankumaran R

Roll No: 22CSR053

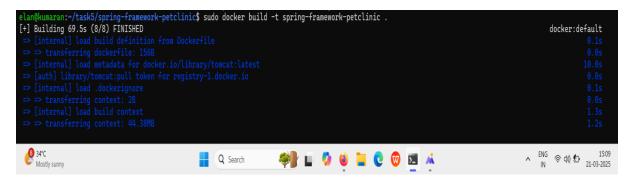
Step 1: Install Maven

```
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.
```

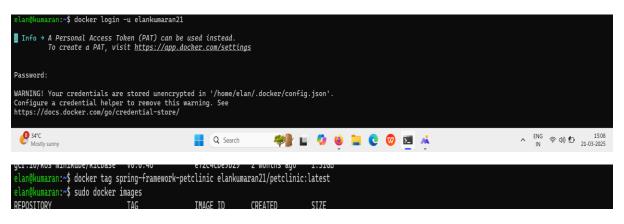
Step 2: Clone a java repository with docker and Jenkins file and run mvn install and mvn package in it.

```
| Lan@kumaran:~/task5/spring-framework-petclinic$ mvn install | INFO| | Scanning for projects... | INFO| | IN
```

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



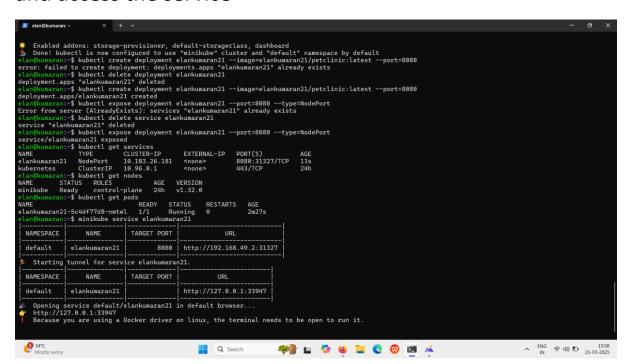
Step 4: push the image to docker hub



```
elan@kumaran:~$ docker push elankumaran21/petclinic:latest
The push refers to repository [docker.io/elankumaran21/petclinic]
d5a5ba3ad0db6: Pushed
5f70bf18a086: Mounted from library/tomcat
49c51ba2daeb: Mounted from library/tomcat
49c51bc2daeb: Mounted from library/tomcat
49c51bc2daeb: Mounted from library/tomcat
39cf8ac89a5a: Mounted from library/tomcat
49c40f494898: Mounted from library/tomcat
48f84d4cf94898: Mounted from library/tomcat
48f84d4cf94898: Mounted from library/tomcat
48f7c81ed0534: Mounted from library/tomcat
48f7c81ed0534: Mounted from library/tomcat
48f84meansest addabbe cfaut
48f84meansest addabbe cfaut
```

Step 5: start minikube

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



Output:

