TASK 5 – MAVEN CREATION

Step 1: Folder Creation

Create a folder named maven and install git in that folder.

```
Processing triggers for man-db (2.12.0-4build2) ...
root@sudharshana:/home/sudharshana/maven# git clone https://github.com/AranganathanPrakash/spring-framework-petclinic.git
Cloning into 'spring-framework-petclinic'...
remote: Enumerating objects: 7351, done.
remote: Counting objects: 100% (1111/1111), done.
remote: Compressing objects: 100% (78/78), done.
remote: Total 7351 (delta 1060), reused 1033 (delta 1033), pack-reused 6240 (from 1)
Receiving objects: 100% (7351/7351), 3.12 MiB | 8.61 MiB/s, done.
Resolving deltas: 100% (3600/3600), done.
root@sudharshana:/home/sudharshana/maven# cd spring-framework-petclinic
root@sudharshana:/home/sudharshana/maven/spring-framework-petclinic# ls
Jenkinsfile  LICENSE.txt  dockerfile  mvnw  mvnw.cmd  pom.xml  readme.md  src
root@sudharshana:/home/sudharshana/maven/spring-framework-petclinic# cd ..
root@sudharshana:/home/sudharshana/maven# git install java
git: 'install' is not a git command. See 'git --help'.

The most similar command is
        instaweb
root@sudharshana:/home/sudharshana/maven# sudo apt install openjdk-17-jdk -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  alsa-topology-conf alsa-ucm-conf ca-certificates-java fonts-dejavu-extra java-common libasound2-data libasound2t64
  libatk-wrapper-java libatk-wrapper-java-jni libgif7 libice-dev libice6 libnspr4 libnss3 libpcsclite1
  libpthread-stubs0-dev libsm-dev libsm6 libx11-dev libxau-dev libxaw7 libxcb-shape0 libxcb1-dev libxdmcp-dev libxft2
  libxkbfile1 libxmu6 libxpm4 libxt-dev libxt6t64 libxv1 libxxf86dga1 openjdk-17-jdk-headless openjdk-17-jre
  openjdk-17-jre-headless x11-utils x11proto-dev xorg-sgml-doctools xtrans-dev
Suggested packages:
  default-jre alsa-utils libasound2-plugins libice-doc pcscd libsm-doc libx11-doc libxcb-doc libxt-doc openjdk-17-demo
  openjdk-17-source visualvm libnss-mdns fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei
  fonts-indic mesa-utils
Recommended packages:
  luit
The following NEW packages will be installed:
```

Step 2: Installing Java

Clone the repository inside the folder and install java openjdk-17-jdk -y


```
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Cloning into 'spring-framework-petclinic'...
remote: Enumerating objects: 7351, done.
remote: Counting objects: 100% (1111/1111), done.
remote: Compressing objects: 100% (78/78), done.
remote: Total 7351 (delta 1060), reused 1033 (delta 1033), pack-reused 6240 (from 1)
Receiving objects: 100% (7351/7351), 3.12 MiB | 8.61 MiB/s, done.
Resolving deltas: 100% (3600/3600), done.
root@sudharshana:/home/sudharshana/maven# cd spring-framework-petclinic
root@sudharshana:/home/sudharshana/maven/spring-framework-petclinic# ls
Jenkinsfile  LICENSE.txt  dockerfile  mvnw  mvnw.cmd  pom.xml  readme.md  src
root@sudharshana:/home/sudharshana/maven/spring-framework-petclinic# cd ..
root@sudharshana:/home/sudharshana/maven# git install java
git: 'install' is not a git command. See 'git --help'.

The most similar command is
        instaweb
root@sudharshana:/home/sudharshana/maven# sudo apt install openjdk-17-jdk -y
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  libatk-wrapper-java libatk-wrapper-java-jni libgif7 libice-dev libice6 libnspr4 libnss3 libpcsclite1
  libpthread-stubs0-dev libsm-dev libsm6 libx11-dev libxau-dev libxaw7 libxcb-shape0 libxcb1-dev libxdmcp-dev libxft2
  libxkbfile1 libxmu6 libxpm4 libxt-dev libxt6t64 libxv1 libxxf86dga1 openjdk-17-jdk-headless openjdk-17-jre
  openjdk-17-jre-headless x11-utils x11proto-dev xorg-sgml-doctools xtrans-dev
Suggested packages:
  default-jre alsa-utils libasound2-plugins libice-doc pcscd libsm-doc libx11-doc libxcb-doc libxt-doc openjdk-17-demo
  openjdk-17-source visualvm libnss-mdns fonts-ipafont-gothic fonts-ipafont-mincho fonts-wqy-microhei | fonts-wqy-zenhei
  fonts-indic mesa-utils
Recommended packages:
  luit
The following NEW packages will be installed:
```
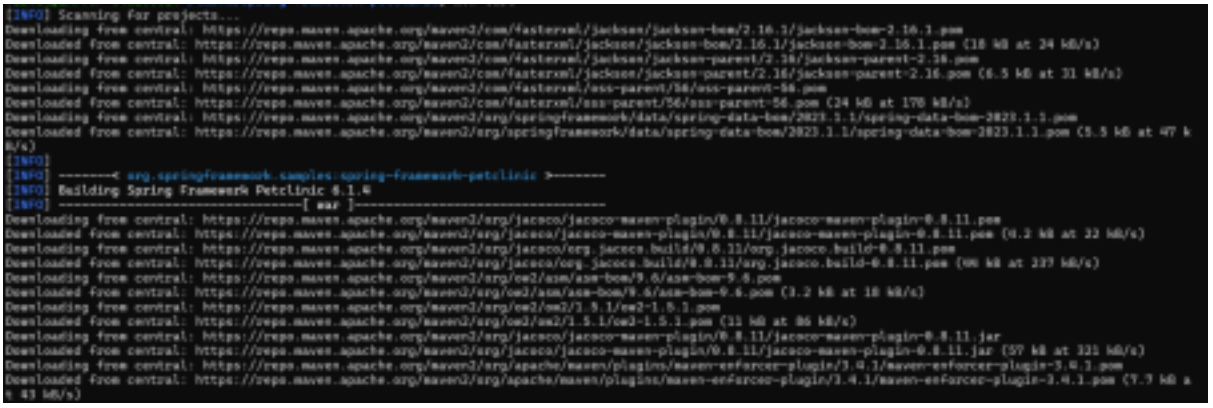


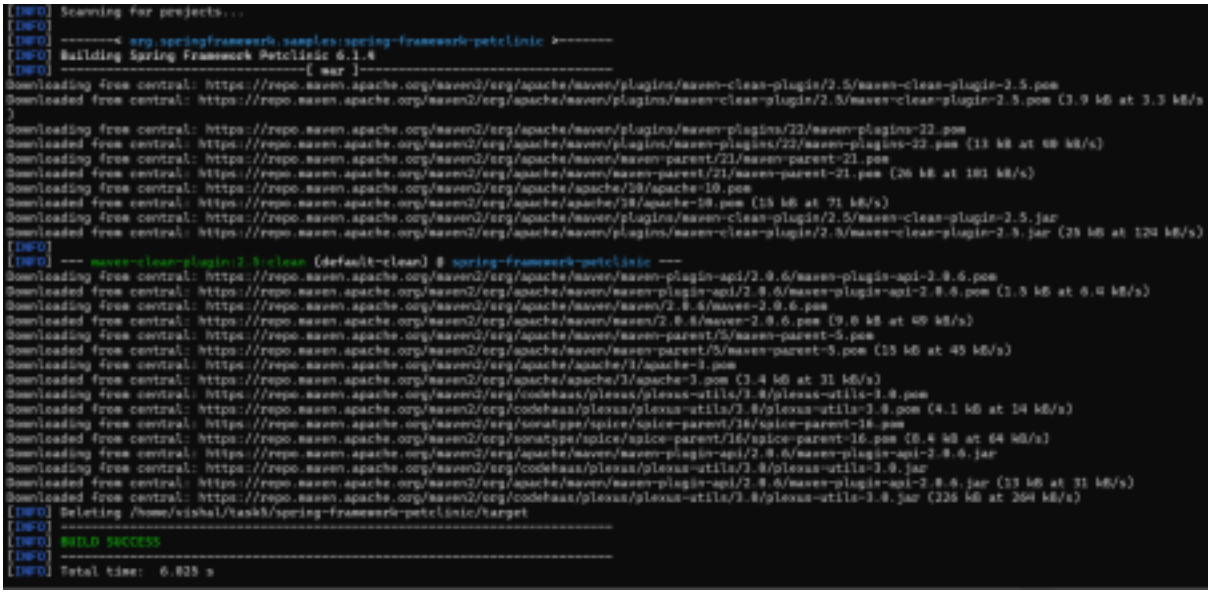
Step 3: Maven test

Test the maven and check any errors present



Step 4:Maven Clean

Clean the maven and remove the unwanted items

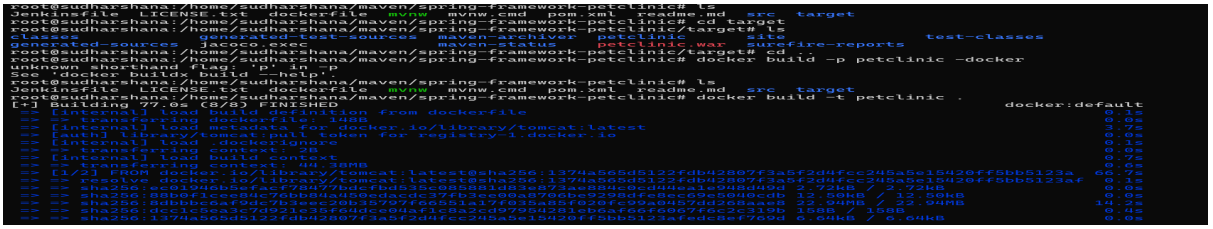


Step 5:Login in Docker

Login into docker using the username and password of the docker hub.

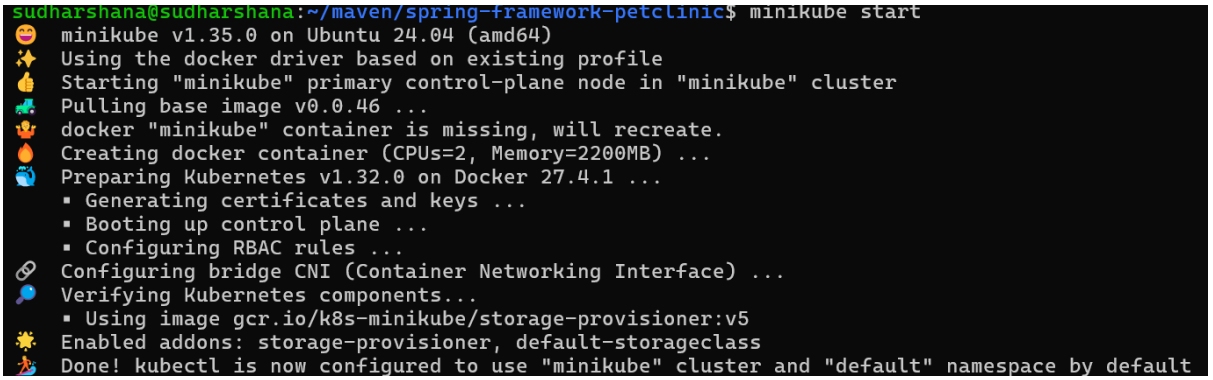
Step 6: Push in Docker

Push the image inside the docker hub



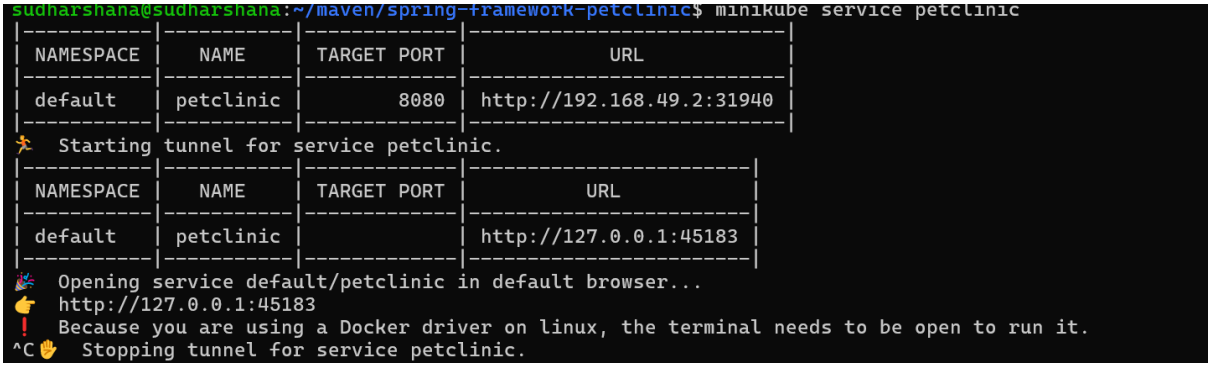
Step 7: Minikube

Start the minikube using minikube start



Step 8: Deployment

Create the deployment and expose it .Once it is exposed use minikube service to find the url of the webpage. Copy the url.



Step 9: Output

Paste the url link in the browser and the output will be displayed.


spring
HOME
FIND OWNERS
VETERINARIANS
ERROR
777welcome Aranganathan 79998wdd777