TASK 3- Minikube Depolyment Task

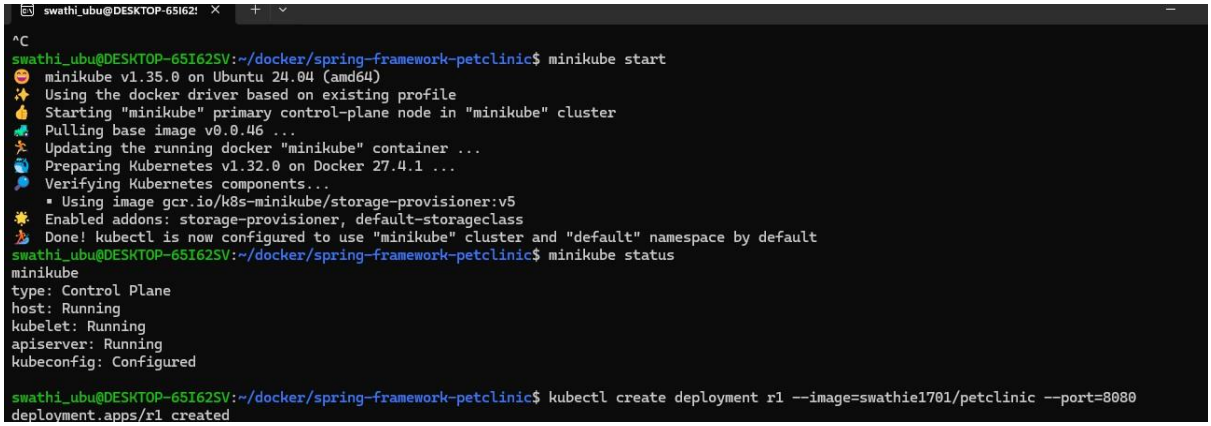
Name:SWATHI K

Rollno: 22CSR216

Step 1:

Start the minikube cluster using the command:

minikube start



This initializes the Minikube cluster using Docker as the driver.

Step 2: Install kubectl

sudo snap install kubectl --classic

Step 3: Verify kubectl Installation

Kubectl version

Step 4: Create a deployement

kubectl create deployment r2 --image=swethamurugesan/devopsgit --port=80

Step 5: Expose the document

kubectl expose deployment r2 --port=80 --type=NodePort

Step 6:Access the service

minikube service r2

```
swathi_ubu@DESKTOP-65I62SV:~/docker/spring-framework-petclinic$ kubectl get pods
NAME                  READY   STATUS             RESTARTS   AGE
r1-6c8698c4b6-nhr8l   1/1     Running            0          2m50s
r1-5758bcdfb4-dlwfg   0/1     InvalidImageName   0          103m
swathi_ubu@DESKTOP-65I62SV:~/docker/spring-framework-petclinic$ kubectl expose deployment r1 --port=8080 --type=NodePort
service/r1 exposed
swathi_ubu@DESKTOP-65I62SV:~/docker/spring-framework-petclinic$ minikube service r1
|-----------|------|-------------|--------------------------|
| NAMESPACE | NAME | TARGET PORT |           URL            |
|-----------|------|-------------|--------------------------|
| default   | r1   |        8080 | http://192.168.49.2:31484 |
|-----------|------|-------------|--------------------------|
🏃  Starting tunnel for service r1.
|-----------|------|-------------|------------------------|
| NAMESPACE | NAME | TARGET PORT |          URL           |
|-----------|------|-------------|------------------------|
| default   | r1   |             | http://127.0.0.1:39883 |
|-----------|------|-------------|------------------------|
🎉  Opening service default/r1 in default browser...
👉  http://127.0.0.1:39883
❗  Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

Step 7: Check the Output in Browser