TASK 4

Step 1: Folder Creation

Create a folder named task4 and start minikube

```
sudharshana@sudharshana:--$ cd task4
sudharshana@sudharshana:--$ task4$ ts
task4,yaml
sudharshana@sudharshana:--/task4$ minikube start

minikube v1.35.0 on Ubuntu 24.04 (amd64)

Using the docker driver based on existing profile

Starting "minikube" primary control-plane node in "minikube" cluster

Pulling base image v0.0.46 ...

Updating the running docker "minikube" container ...

Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...

Verifying Kubernetes v1.32.0 on Docker 27.4.1 ...

Verifying Kubernetes components.

Using image gcr.io/k8s-minikube/storage-provisioner:v5

Enabled addons: storage-provisioner, default-storageclass

Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
sudharshana@sudharshana:-/task4$ kubectl apply -f devops.yaml
error: the path "devops.yaml" does not exist
sudharshana@sudharshana:-/task4$ kubectl apply -f task4.yaml
deployment.apps/springboot-app created
service/springboot-app created
sudharshana@sudharshana:-/task4$ kubectl get pods
NAME

READY STATUS

RESTARTS

RESTARTS

RESTARTS

AGE
Petclinic-597fuff754-tc884

1/1 Running
3 (87s ago) 17h
springboot-app-d549b45f8-bq7vc
0/1 ContainerCreating
0 10s
```

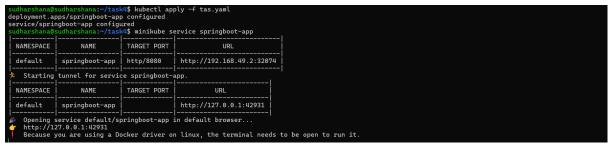
Step 2: Create tas.yaml

Create a yaml file and write the api script in it and apply the script

```
sudharshana@sudharshana:~/task4$ vim tas.yaml
sudharshana@sudharshana:~/task4$ kubectl apply -f tas.yaml
```

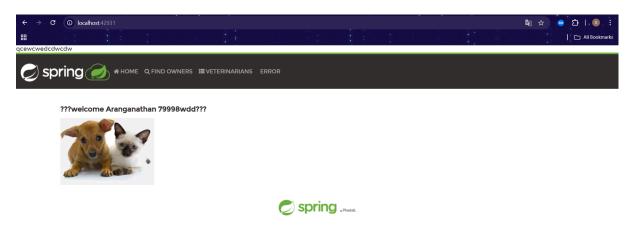
Step 3: Minikube service

After applying the YAML, check if the service is running

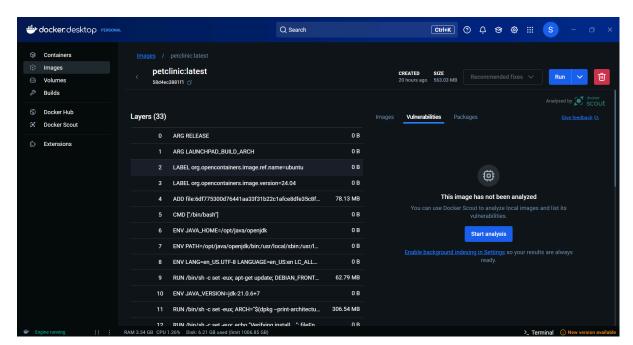


Step 5:Check for the Website

Open the docker image in the localhost and check if it is working



Docker Image (Petclinic):



Docker File (in Github):

