Task 4 - Kubernetes Using Shell Script

Name: Swetha M

RollNo: 22CSR217

Step 1: MiniKube

Start the minikube using minikube start command

```
s minikube v1.35.0 on Ubuntu 24.04 (amd64)

de minikube v1.35.0 on Ubuntu 24.04 (amd64)

de starting "minikube" primary control-plane node in "minikube" cluster

de Pulling base image v0.0.46 ...

Restarting existing docker container for "minikube" ...

StartHost failed, but will try again: driver start: start: docker start minikube: exit status 1 stdout:

stdout:

Error response from daemon: failed to create task for container: failed to create shim task: OCI runtime create failed: runc create failed: unable to start container process: error during container init: error setting cgroup config for procHooks process: failed to write "a *:* rwm": write /sys/fs/cgroup/devices /docker/b/772b50eccebcc4a8b2e09d0d0166806476f506e75la4caef9a5b1bffbc1b04/devices.allow: invalid argument: unknown

Error: failed to start containers: minikube

Restarting existing docker container for "minikube" ...

inii Preparing 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! Rubectli is now configured to use "minikube" cluster and "default" namespace by default
```

Step 2: Folder Creation

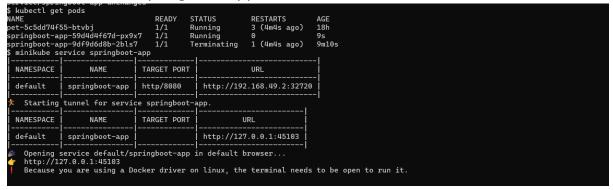
- Create a folder named task4 and change the directory to task4.
- Create a new vim file named a.yaml
- Enter the yaml file code using the insert
- Apply the changes made in the devops.yaml file

```
$ mkdir Task4
$ cd Task4
$ vim a.yaml
$ kubectl apply -f a.yaml
deployment.apps/springboot-app configured
service/springboot-app unchanged
```

Step 3: Get the pods information to check if it is running or not using the following command and Open the service springboot-app in the browser

Kubectl get pods

Minikube service springboot-app



Step 4: The output is shown in the browser in the localhost



