#### TASK-3

#### **DEPLOY A WEB APPLICATION USING KUBERNETS**

#### 1) Start Minikube:

• Run minikube start to start your local kubernets cluster.

## 2) Navigate to the Deployment Directory:

• Go to the directory containing your YAML files.

## 3) Apply Namespace:

- Apply the namespace yaml configuration:
- Kubectl apply -f namespace.yaml.

## 4) Deploy Resource in the Namespace:

- Apply the resouces in the lampdemo namespace.
- Kubectl apply -n lampdemo -k ./

## 5) Check pods:

- Verify that the pods are running:
- Kubectl get po -n lampdemo

#### 6) Check Services:

- Check the services to get the external IP and port for access:
- Kubectl get svc -n lampdemo

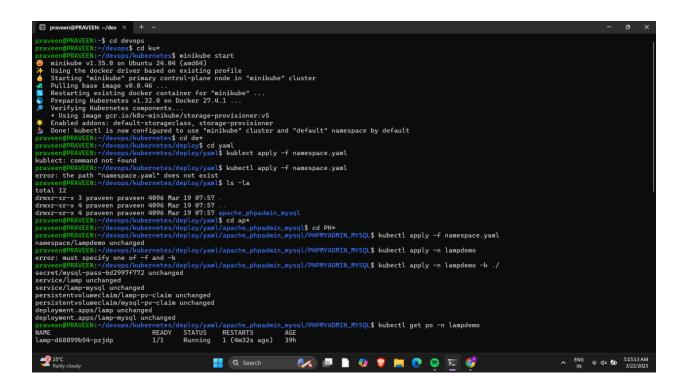
## 7) Access the service:

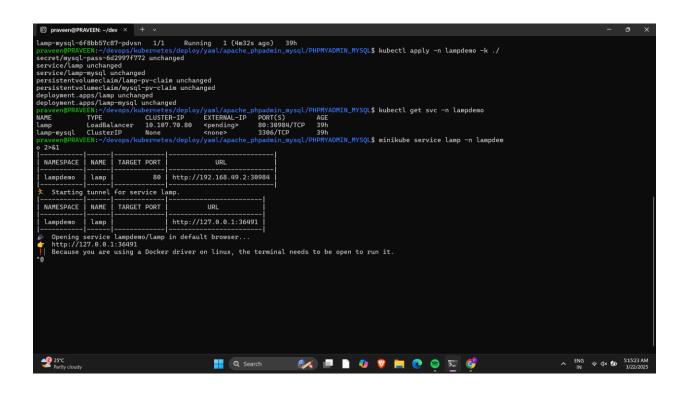
- Open the service URL in your browser.
- minikube service lamp -n lampdemo

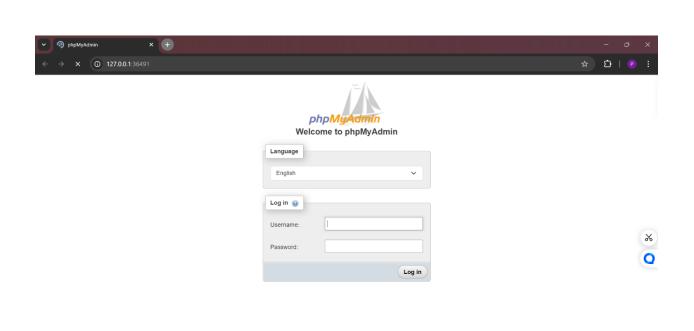
#### 8) Verify:

- Execute that the service is accessible at the url provided
- http://127.0.0.1:32955

# 9) OUTPUT







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