#### **DEPLOY A WEB APPICATION USING KUBERNETES**

#### 1. Start Minikube:

• Run minikube start to start your local Kubernetes cluster.

## 2. Navigate to the Deployment Directory:

• Go to the directory containing your YAML files:

```
bash
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cd ~/Devops/kubernetes/deploy/yaml/apache_phpadmin_mysql/PHPMYADMIN_MYSQL
```

# 3. Apply Namespace:

• Apply the namespace.yaml configuration:

```
bash
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kubectl apply -f namespace.yaml
```

# 4. Deploy Resources in the Namespace:

• Apply the resources in the lampdemo namespace:

```
bash
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kubectl apply -n lampdemo -k ./
```

### 5. Check Pods:

• Verify that the pods are running:

```
bash
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kubectl get po -n lampdemo
```

#### 6. Check Services:

• Check the services to get the external IP and port for access:

```
bash
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kubectl get svc -n lampdemo
```

## 7. Access the Service:

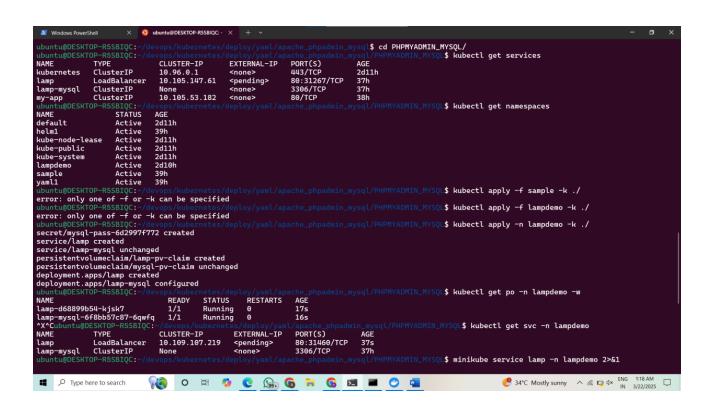
• Open the service URL in your browser:

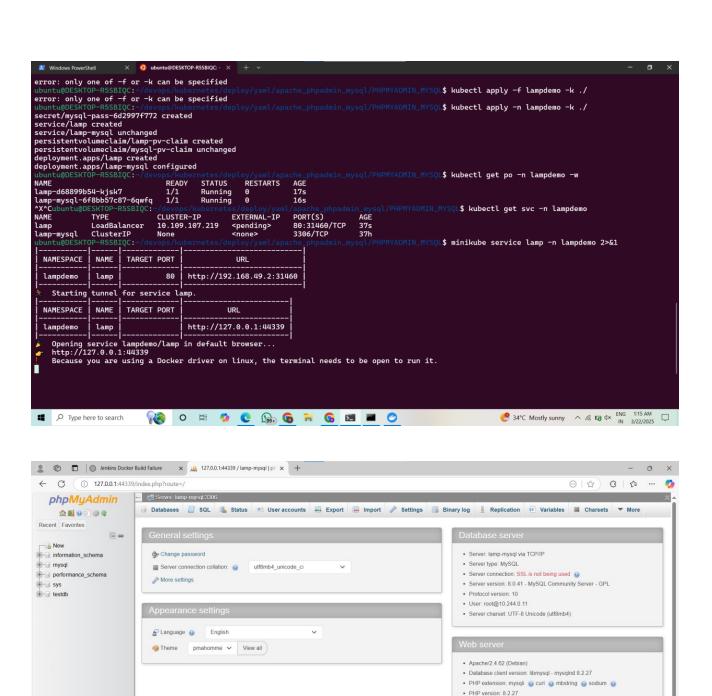
bash CopyEdit minikube service lamp -n lampdemo

## 8. Verify:

• Ensure that the service is accessible at the URL provided (e.g., <a href="http://127.0.0.1:44339">http://127.0.0.1:44339</a>).

## **OUTPUT:**





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Version information: 5.2.2 (up to date)

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