# DEPLOY A WEB APPICATION USING KUBERNETES

1. **Start Minikube**:
   * Run minikube start to start your local Kubernetes cluster.

# Navigate to the Deployment Directory:

## Go to the directory containing your YAML files:

bash CopyEdit

cd ~/Devops/kubernetes/deploy/yaml/apache\_phpadmin\_mysql/PHPMYADMIN\_MYSQL

# Apply Namespace:

* + Apply the namespace.yaml configuration:

bash CopyEdit

kubectl apply -f namespace.yaml

# Deploy Resources in the Namespace:

## Apply the resources in the lampdemo namespace:

bash CopyEdit

kubectl apply -n lampdemo -k ./

# Check Pods:

## Verify that the pods are running:

bash CopyEdit

kubectl get po -n lampdemo

# Check Services:

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

bash CopyEdit

kubectl get svc -n lampdemo

# Access the Service:

## Open the service URL in your browser:

bash CopyEdit

minikube service lamp -n lampdemo

# Verify:

## Ensure that the service is accessible at the URL provided (e.g.,

[http://127.0.0.1:35141](http://127.0.0.1:35141/)).

OUTPUT:



