# Install Homebrew if it's not already installed

$: /bin/bash -c "$(curl -fsSL https://raw.githubusercontent.com/Homebrew/install/master/install.sh)"<br>

# Install kubectl (Kubernetes command-line tool)

$: brew install kubectl<br>

# Verify the installation

$: kubectl version --client<br>

# Set up kubeconfig context for your Google Kubernetes Engine (GKE) cluster

# (Replace "my-cluster-name" and "my-project-id" with your own cluster name and project ID)

$: gcloud container clusters get-credentials my-cluster-name --region us-central1-a --project my-project-id<br>

# Verify the kubeconfig context

$: kubectl config current-context<br>

# Install Helm (package manager for Kubernetes)

$: brew install helm<br>

# Verify the Helm installation

$: helm version<br>

# Add the Kubernetes Starter Pack (KSP) Helm repository

$: helm repo add ksp https://kubernetes-sigs.github.io/kube-sigma-project/<br>

# Update Helm repositories

$: helm repo update<br>

# Install the KSP NGINX Ingress Controller

$: helm install nginx-ingress ksp/nginx-ingress<br>

# Verify the NGINX Ingress Controller is running

$: kubectl get pods --all-namespaces<br>

# (Optional) To expose your application to the internet using a load balancer, run the following command

# (Replace "my-app" with your own application name)

$: helm install my-app .<br>

# (Optional) Get the external IP of the load balancer

$: kubectl get svc --namespace default my-app-nginx-ingress-controller -w<br>