********** Install Docker CE Edition **********

1. sudo apt-get update
2. sudo apt-get install \
   apt-transport-https \
   ca-certificates \
   curl \
   software-properties-common

3. curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo
apt-key add -
4. sudo add-apt-repository \
   "deb [arch=amd64] https://download.docker.com/linux/ubuntu \
   $(lsb_release -cs) \
   stable"
5. sudo apt-get update
6. sudo apt-get install docker-ce
7. docker version

********** Install KubeCtl **********
1. curl -LO https://storage.googleapis.com/kubernetes-release/
release/$(curl -s https://storage.googleapis.com/kubernetes-release/
release/stable.txt)/bin/linux/amd64/kubectl
2. chmod +x ./kubectl
3. sudo mv ./kubectl /usr/local/bin/kubectl
4. kubectl version

********** Install MiniKube **********
1. curl -Lo minikube https://storage.googleapis.com/minikube/
releases/latest/minikube-linux-amd64   && chmod +x minikube
2. sudo install minikube /usr/local/bin

********** Install VirtualBox **********
1. wget -q https://www.virtualbox.org/download/oracle_vbox_2016.asc
-O- | sudo apt-key add -
2. sudo apt-get update
3. sudo apt-get install virtualbox

********** Execute MiniKube & Create Cluster **********
1. minikube start

********** Interact Cluster Using KubeCtl **********
Let's create a Kubernetes Deployment using an existing image named
echoserver, which is a simple HTTP server and expose it on port 8080
using --port.

1. kubectl run hello-minikube --image=k8s.gcr.io/echoserver:1.10 --port=8080

We can inspect the pods and the deployments
2. kubectl get pod
3. kubectl get deployments

In order to access the hello-minikube service, we must first expose the deployment to an external IP via the command:
4. kubectl expose deployment hello-minikube --type=NodePort

Check if the service was exposed
5. kubectl get services

Get the URL of the exposed Service to view the Service details:
6. minikube service hello-minikube --url

Now we can either curl the service from the CLI, or hit it via the browser.
7. curl $(minikube service hello-minikube --url)
8. curl <URL>

Delete the Service
9. kubectl delete services hello-minikube
10. kubectl delete deployment hello-minikube

Stop the local Minikube cluster:
11. minikube stop