-minikube start 🡺 do boot up to kubernetes

-minikube status 🡺 return the status

Kubectl get nodes 🡺 return all nodes

**Imperative method for creating pods**

**1-**docker build -t learn-kube . 🡺 build image

**2-**docker tag learn-kube kadriayoub/learn-kube:3.1 🡺 set the tag of image

**3-**docker push kadriayoub/learn-kube:3.1 🡺 push to hub

**4-** kubectl run first-pod --image=docker.io/kadriayoub/learn-kube:3.1 --restart=Never 🡺 create pod

kubectl logs first-pod 🡺 return the log of pod

Kubectl describe pod “name” 🡺 gives informations about specified pod

Kubectl get pods 🡺 return pods

Kubectl delete pods “name” 🡺 delete pods

**5-**kubectl port-forward pods/first-pod 3000 🡺 forwarding a port to the pod

kubectl exec -it first-pod /bin/sh 🡺 open a terminal for the application

***declarative method for creating pod***

**1-create file .yml with configuration**

**2-** kubectl create -f kubernetes.yml

Minkube dashboard 🡺 open the dashboard on navigator

Kubectl get replicasets 🡺 return all the replicas

kubectl scale --replicas=6 replicaset myapp 🡺 scale up

kubectl replace -f 'file.yml' 🡺 apply the replicaset as define in the file

kubectl apply -f 'file.yml' 🡺 rolling update for version of application

kubectl get pods -o wide 🡺 more details

kubectl delete replicasets myapp-replicaset 🡺 delete replicasets

kubectl delete deployments myapp-deploy 🡺 delete deployments

kubectl rollout history deployment/myapp-deploy 🡺 give the history about deployment

kubectl create -f deployments.yml --record 🡺 to record the version in configuration

kubectl rollout undo deployment/myapp-deploy --to-revision 1 🡺 roll back to last version

kubectl get services 🡺 return all services

netstat -aon | findstr :31216 🡺 verify if the port 31216 is free

kubectl config get-contexts 🡺 get all the clusters that exist in the machine

kubectl config use-context name-of-cluster 🡺 change the cluster

kubectl get ns 🡺 get all namespaces that exits

kubectl get pods -n default 🡺 return all pods that is in default namespace

kubectl create ns ayoub 🡺 create new namespace

kubectl get cm 🡺 return the config map created

minikube ssh 🡺 run the terminal for minikube machine