Kubernetes Assignment-02

Exercise 3: Create a Pod using a YAML Manifest

Step 1: Create a YAML file (nginx-pod.yaml)

Step 2: Apply the YAML file

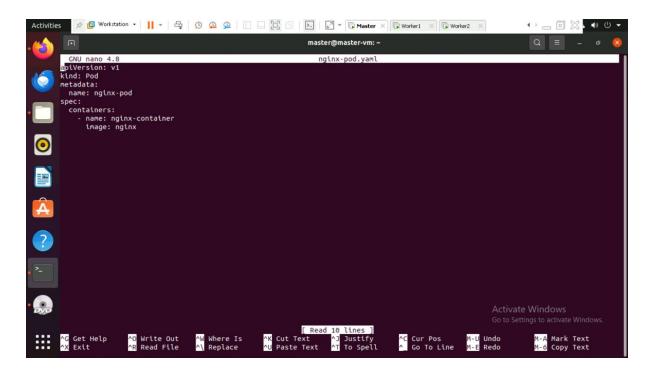
- kubectl apply -f nginx-pod.yaml

Step 3: Check if the pod is running

- kubectl get pods

Step 4: Delete the pod using YAML

- kubectl delete -f nginx-pod.yaml



```
master@master-vm:-$ nano nginx-pod.yaml
master@master-vm:-$ kubectl apply -f nginx-pod.yaml
pod/nginx-pod created
master@master-vm:-$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 13s
master@master-vm:-$ kubectl delete -f nginx-pod.yaml
pod "nginx-pod" deleted
master@master-vm:-$
```

Exercise 4: Create and Use a ConfigMap

Step 1: Create a ConfigMap:

kubectl create configmap app-config --from-literal=APP_ENV=production

Step 2: Verify ConfigMap:

kubectl get configmaps app-config -o yaml

Step 3: Create a pod that uses the ConfigMap (nginx-config-pod.yaml):

Step 4: Deploy the pod:

kubectl apply -f nginx-config-pod.yaml

Step 5: Check if the pod is running:

kubectl get pods

Step 6: Delete the pod and ConfigMap:

kubectl delete -f nginx-config-pod.yaml
kubectl delete configmap app-config

