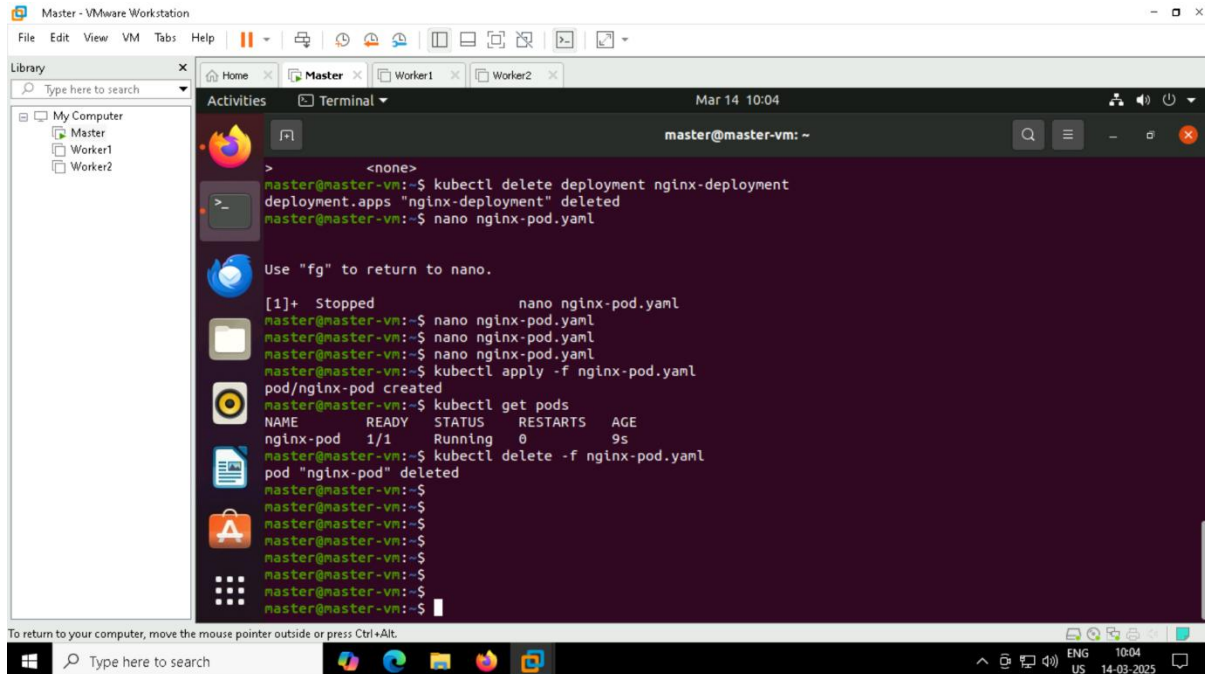


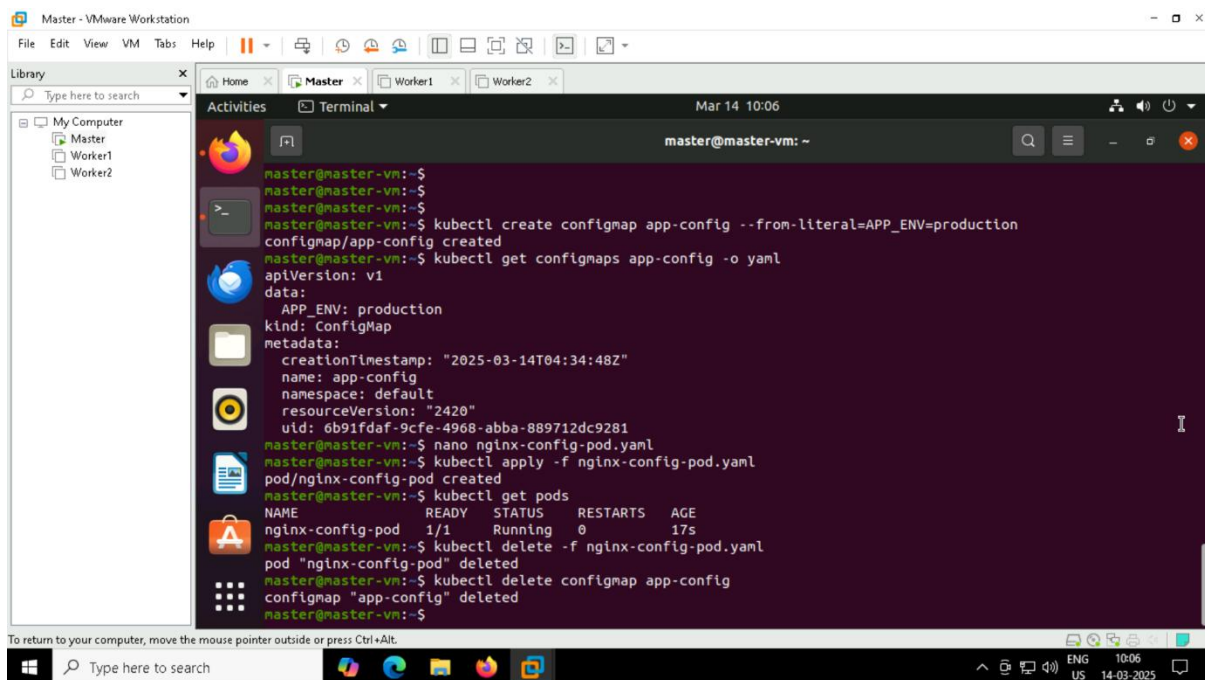
KUBERNETES ASSIGNMENTS 2

Exercise 3: Create a Pod using a YAML Manifest



```
master@master-vm: ~  
>  
master@master-vm:~$ kubectl delete deployment nginx-deployment  
deployment.apps "nginx-deployment" deleted  
master@master-vm:~$ nano nginx-pod.yaml  
  
Use "fg" to return to nano.  
  
[1]+  Stopped                  nano nginx-pod.yaml  
master@master-vm:~$ nano nginx-pod.yaml  
master@master-vm:~$ nano 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           9s  
master@master-vm:~$ kubectl delete -f nginx-pod.yaml  
pod "nginx-pod" deleted  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$
```

Exercise 4: Create and Use a ConfigMap



```
master@master-vm: ~  
master@master-vm:~$  
master@master-vm:~$  
master@master-vm:~$ kubectl create configmap app-config --from-literal=APP_ENV=production  
configmap/app-config created  
master@master-vm:~$ kubectl get configmaps app-config -o yaml  
apiVersion: v1  
data:  
  APP_ENV: production  
kind: ConfigMap  
metadata:  
  creationTimestamp: "2025-03-14T04:34:48Z"  
  name: app-config  
  namespace: default  
  resourceVersion: "2420"  
  uid: 6b91fdaf-9cfe-4968-abba-889712dc9281  
master@master-vm:~$ nano nginx-config-pod.yaml  
master@master-vm:~$ kubectl apply -f nginx-config-pod.yaml  
pod/nginx-config-pod created  
master@master-vm:~$ kubectl get pods  
NAME             READY   STATUS    RESTARTS   AGE  
nginx-config-pod  1/1     Running   0           17s  
master@master-vm:~$ kubectl delete -f nginx-config-pod.yaml  
pod "nginx-config-pod" deleted  
master@master-vm:~$ kubectl delete configmap app-config  
configmap "app-config" deleted  
master@master-vm:~$
```