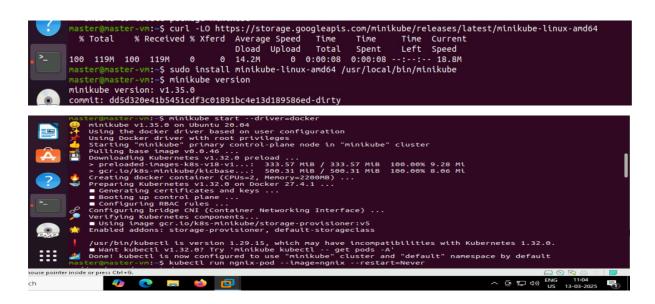
Kubernetes Assignment - 01

Exercise 1: Deploy an Nginx Pod

Step 1: Start a Kubernetes cluster (Minikube or other cluster):



Step 2: Create an Nginx pod

```
master@master-vm:~$ kubectl run nginx-pod --image=nginx --restart=Never
pod/nginx-pod created
```

Step 3: Verify the pod is running:

```
master@master-vm:~$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-pod 1/1 Running 0 27m
```

Step 4: Check pod details:



Step 5: Delete the pod:



Exercise 2: Create an Nginx Deployment and Scale It

Step 1: Create a deployment with Nginx

```
master@master-vm:-$ kubectl create deployment nginx-deployment --image=nginx deployment.apps/nginx-deployment created
```

Step 2 : Check the deployment

```
master@master-vm:~$ kubectl get deployments

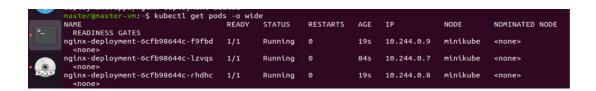
NAME READY UP-TO-DATE AVAILABLE AGE

nginx-deployment 1/1 1 1 19s
```

Step 3: Scale the deployment to 3 replicas

```
master@master-vm:~$ kubectl scale deployment nginx-deployment --replicas=3
deployment.apps/nginx-deployment scaled
```

Step 4: Check the running pods



Step 5: Delete the deployment

