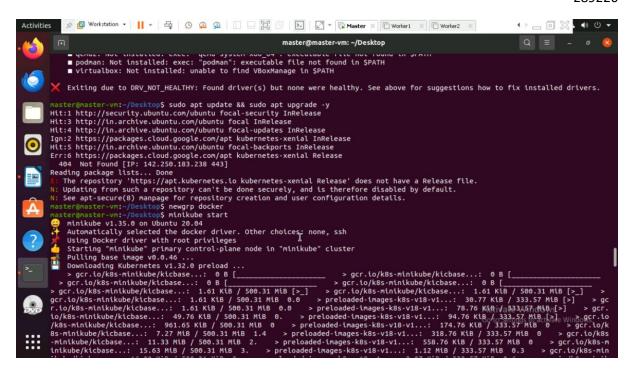
### **KUBERNETES ASSIGNMENT-1**

## **Exercise 1: Deploy an Nginx Pod**

Objective: Deploy a simple Nginx pod and access it.

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

Activate Manager - vn: -/Desktop Manager - vn: -/Deskt



#### 2. Create an Nginx pod:

kubectl run nginx-pod --image=nginx --restart=Never

#### 3. Verify the pod is running:

kubectl get pods

#### 4. Check pod details:

kubectl describe pod nginx-pod

#### 5. Delete the pod:

kubectl delete pod nginx-pod

```
| Master | M
```

# **Exercise 2: Create an Nginx Deployment** and Scale It

Objective: Create an Nginx deployment and scale it up.

#### **Steps & Commands:**

1. Create a deployment with Nginx:

kubectl create deployment nginx-deployment --image=nginx

2. Check the deployment:

kubectl get deployments

3. Scale the deployment to 3 replicas:

kubectl scale deployment nginx-deployment --replicas=3

4. Check the running pods:

#### 5. Delete the deployment:

kubectl delete deployment nginx-deployment

