

## TASK 4

### **Step 1: Start Minikube**

```
minikube start --driver=docker --force
```

### **Step 2: Create a Deployment**

```
kubectl create deployment webapp --image=nginx --port=80
```

### **Step 3: Expose the Deployment as a Service**

```
kubectl expose deployment webapp --type=NodePort --port=80 --target-port=80
```

### **Step 4: Verify the Running Pods**

```
kubectl get pod
```

### **Step 5: Verify the Service**

```
kubectl get svc
```

### **Step 6: Open the Service in a Web Browser**

```
minikube service webapp
```

### **Step 7: Test the Service Using curl**

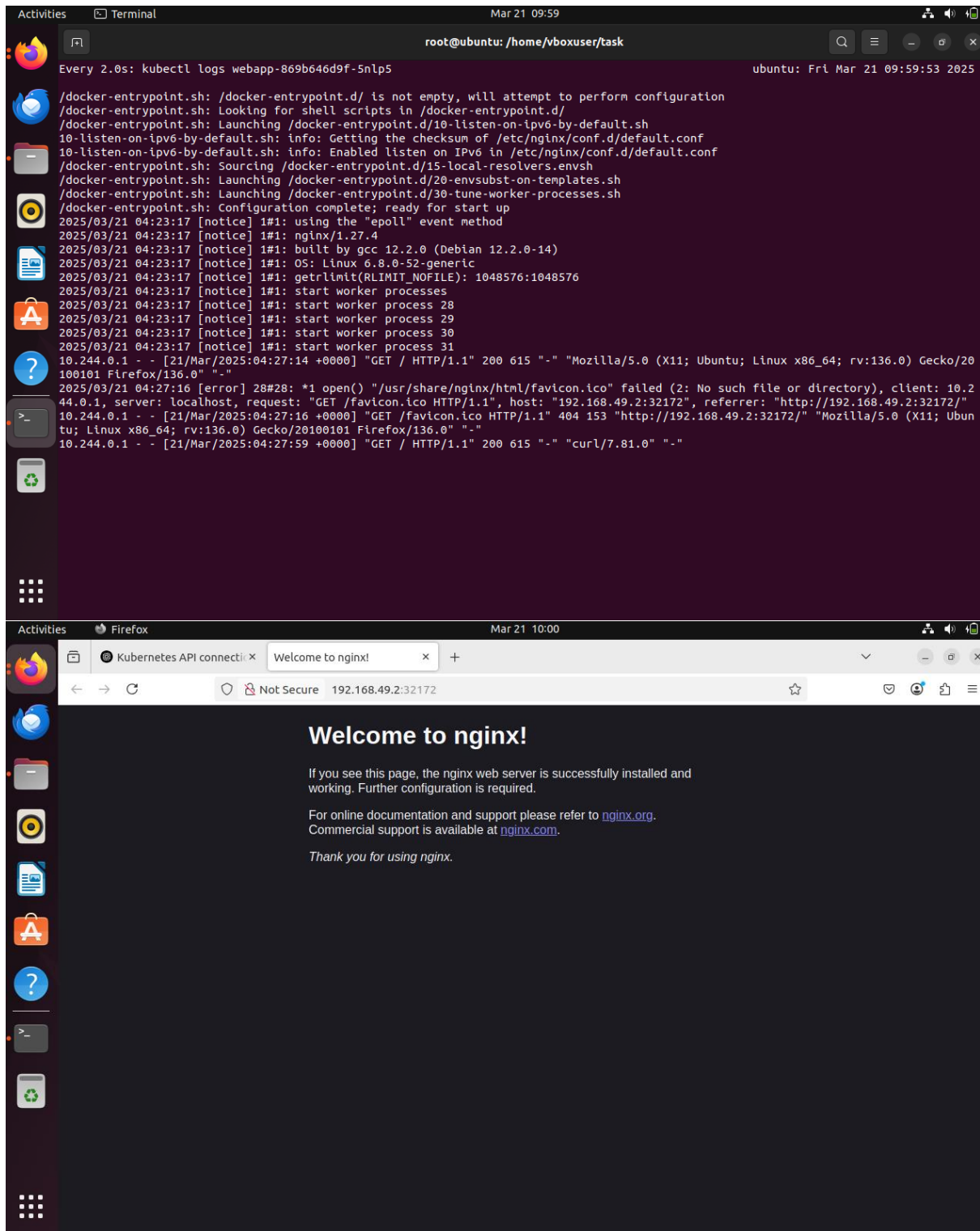
```
curl http://192.168.49.2:32172
```

### **Step 8: Continuously Monitor the Pods**

```
watch kubectl get pod
```

### **Step 9: Continuously Monitor Pod Logs**

```
watch kubectl logs webapp-869b646d9f-5nlp5
```



ActivitiesTerminalMar 21 09:58root@ubuntu: /home/vboxuser/task

Every 2.0s: kubectl get podubuntu: Fri Mar 21 09:58:38 2025

NAME	READY	STATUS	RESTARTS	AGE
my-nginx	1/1	Running	3 (7m7s ago)	41h
mydeploy-74c4c48f4d-hgxz9	1/1	Running	3 (7m7s ago)	41h
mydeploy-74c4c48f4d-nq8wv	1/1	Running	3 (7m7s ago)	41h
nginx-deploy-5c477b75b8-z68rc	1/1	Running	3 (7m7s ago)	40h
react-e-commerce-deployment-849768b4c6-8p96z	1/1	Running	1 (7m7s ago)	18h
react-e-commerce-deployment-849768b4c6-nfhgc	1/1	Running	1 (7m7s ago)	18h
webapp-869b646d9f-5nlp5	1/1	Running	0	5m34s