DEVOPS TASK 4

STEP 1: Check whether kubernetes and docker are installed in my WSL ubuntu

- Kubectl version --client
- minikube version
- docker --version

STEP 2: Start minkube by minikube start -driver=docker

STEP 3: The above command wont work if we are root user so switch to normal user by using **exit command.**

STEP 4: Create a deployment named webapp using the nginx image.

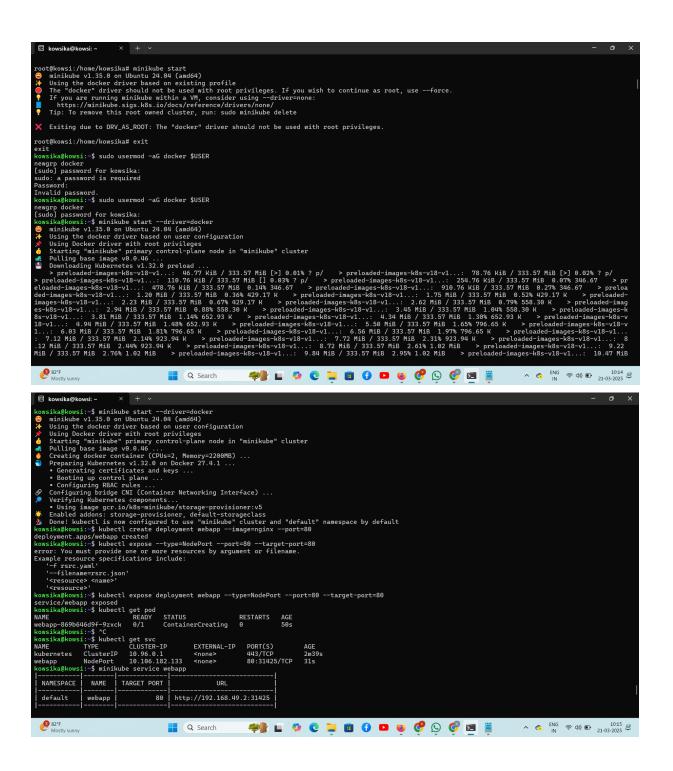
kubectl create deployment webapp --image=nginx --port=80

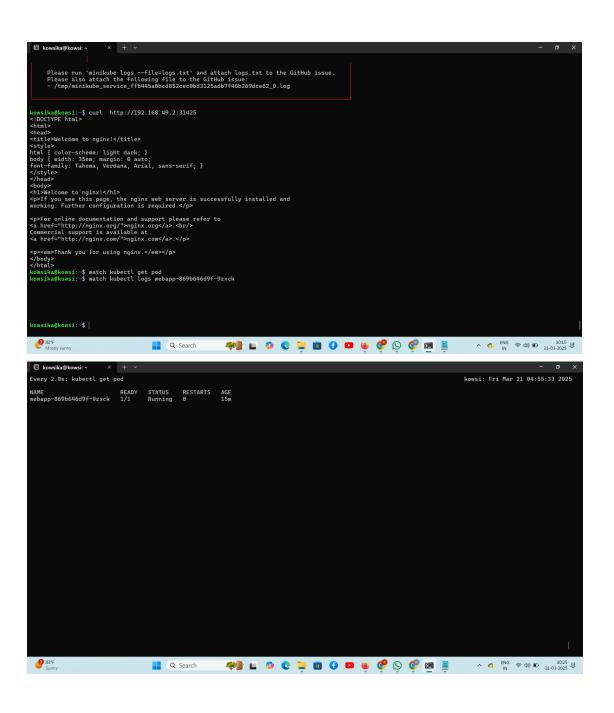
STEP 5: Exposes the deployment as a Kubernetes service

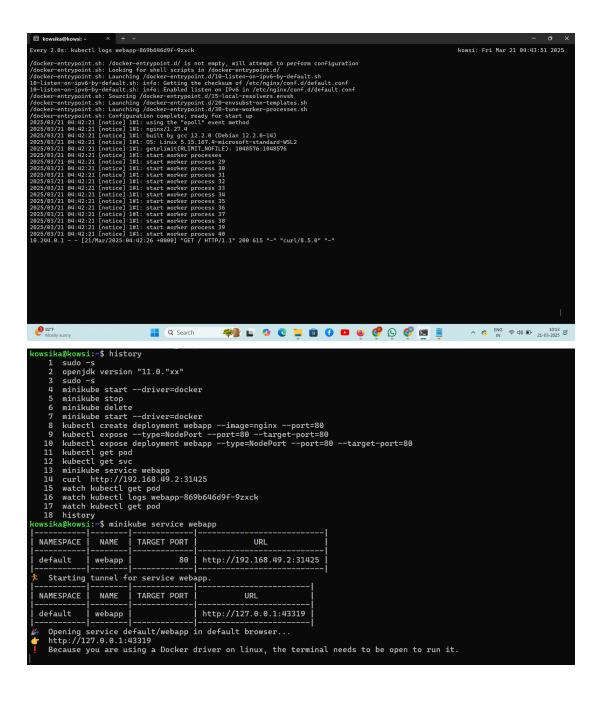
kubectl expose deployment webapp --type=NodePort --port=80 --target-port=80

STEP 6: Execute the following commands

Kubectl get pod	Lists running pods
kubectl get svc	Lists services and their ports
minikube service webapp	Opens service in browser
Curl http:// <minikube-ip>:<nodeport></nodeport></minikube-ip>	Tests if the service is accessible
watch kubectl get pod	Monitors pods in real-time
watch kubectl logs <pod-name></pod-name>	Monitors logs in real-time







STEP 7: If nginx is running correctly, you should get the default nginx welcome page as HTML.

