TASK 3 MINIKUBE

TASK-3

MINIKUBE VERSION

```
voviya@VOVIYA:~$ minikube version
minikube version: v1.35.0
commit: dd5d320e41b5451cdf3c01891bc4e13d189586ed-dirty
voviya@VOVIYA:~$
```

MINIKUBE DASHBOARD

```
voviya@VOVIYA:~$ minikube start
😄  minikube v1.35.0 on Ubuntu 24.04 (amd64)
✨  Using the docker driver based on existing profile
👍  Starting "minikube" primary control-plane node in "minikube" cluster
🚜  Pulling base image v0.0.46 ...
🔄  Restarting existing docker container for "minikube" ...
🐳  Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...
🔎  Verifying Kubernetes components...
    ▪ Using image gcr.io/k8s-minikube/storage-provisioner:v5
    ▪ Using image docker.io/kubernetesui/dashboard:v2.7.0
    ▪ Using image docker.io/kubernetesui/metrics-scraper:v1.0.8
💡  Some dashboard features require the metrics-server addon. To enable all features please run:

        minikube addons enable metrics-server

🌟  Enabled addons: default-storageclass, storage-provisioner, dashboard
🏄  Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
voviya@VOVIYA:~$ minikube dashboard
🤔  Verifying dashboard health ...
🚀  Launching proxy ...
🤔  Verifying proxy health ...
```

MINIKUBE PODS AND SERVICES

```
voviya@VOVIYA:~$ kubectl get pods
NAME                           READY   STATUS    RESTARTS       AGE
my-app-996fbb57b-gxq8x         1/1     Running   3 (6m2s ago)   20h
nginx-login-b6fd8c4cf-sfgxj    1/1     Running   4 (6m2s ago)   23h
voviya@VOVIYA:~$ minikube service my-app
|-----------|--------|-------------|---------------------------|
| NAMESPACE |  NAME  | TARGET PORT |            URL            |
|-----------|--------|-------------|---------------------------|
| default   | my-app |          80 | http://192.168.49.2:30391 |
|-----------|--------|-------------|---------------------------|
🏃  Starting tunnel for service my-app.
|-----------|--------|-------------|------------------------|
| NAMESPACE |  NAME  | TARGET PORT |          URL           |
|-----------|--------|-------------|------------------------|
| default   | my-app |             | http://127.0.0.1:39175 |
|-----------|--------|-------------|------------------------|
🎉  Opening service default/my-app in default browser...
👉  http://127.0.0.1:39175
❗  Because you are using a Docker driver on linux, the terminal needs to be open to run it.
^C✋  Stopping tunnel for service my-app.
voviya@VOVIYA:~$ kubectl get services
NAME         TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)        AGE
kubernetes   ClusterIP   10.96.0.1       <none>        443/TCP        23h
my-app       NodePort    10.99.217.114   <none>        80:30391/TCP   20h
voviya@VOVIYA:~$
```

TASK 3 MINIKUBE

CURL :

```
voviya@VOVIYA:~$ curl http://127.0.0.1:20003
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Jenkins Docker Test</title>
</head>
<body>
    <h1>Hello from Docker with Jenkins!</h1>
</body>
</html>
voviya@VOVIYA:~$
```

OUTPUT

Hello from Docker with Jenkins!