Minikube started.

```
C:\Users\omarg\Music\Maestría\kubernetes-homework>minikube start --driver=docker
* minikube v1.37.0 on Microsoft Windows 11 Home Single Language 10.0.26100.7171 Build 26100.7171
* Using the docker driver based on existing profile
* Starting "minikube" primary control-plane node in "minikube" cluster
* Pulling base image v0.0.48 ...
* Updating the running docker "minikube" container ...
! Failing to connect to https://registry.k8s.io/ from inside the minikube container
* To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
* Preparing Kubernetes v1.34.0 on Docker 28.4.0 ...
* Verifying Kubernetes components...
  - Using image gcr.io/k8s-minikube/storage-provisioner:v5
* After the addon is enabled, please run "minikube tunnel" and your ingress resources would be available at "127.0.0.1"
  - Using image registry.k8s.io/ingress-nginx/controller:v1.13.2
  - Using image registry.k8s.io/ingress-nginx/kube-webhook-certgen:v1.6.2
  - Using image registry.k8s.io/ingress-nginx/kube-webhook-certgen:v1.6.2
* Verifying ingress addon...
* Enabled addons: storage-provisioner, ingress, default-storageclass
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default

C:\Users\omarg\Music\Maestría\kubernetes-homework>
```

Namespace creation.

(In this case I got an error cause I already have the namespace created)

```
C:\Users\omarg\Music\Maestría\kubernetes-homework>kubectl create namespace tarea-kubernetes
Error from server (AlreadyExists): namespaces "tarea-kubernetes" already exists

C:\Users\omarg\Music\Maestría\kubernetes-homework>
```

Deployments application.

(In this case I got that response because I already run this command)

```
C:\Users\omarg\Music\Maestría\kubernetes-homework>kubectl apply -f deployment-db.yaml
service/mysql-service unchanged
deployment.apps/mysql-deployment unchanged

C:\Users\omarg\Music\Maestría\kubernetes-homework>kubectl apply -f deployment-app.yaml
service/webapp-service unchanged
deployment.apps/webapp-deployment unchanged

C:\Users\omarg\Music\Maestría\kubernetes-homework>
```

Pods running.

```
C:\Users\omarg\Music\Maestría\kubernetes-homework>kubectl get pods -n tarea-kubernetes
NAME                                READY   STATUS    RESTARTS        AGE
mysql-deployment-55d6775848-ks49z   1/1     Running   1 (4m42s ago)   15m
webapp-deployment-5b497bcccb-x7qpw   1/1     Running   1 (4m44s ago)   15m
```

Check Services.

```
C:\Users\omarg\Music\Maestría\kubernetes-homework>kubectl get svc -n tarea-kubernetes
NAME            TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)    AGE
mysql-service    ClusterIP   None            <none>        3306/TCP   16m
webapp-service   ClusterIP   10.104.39.241   <none>        80/TCP     16m
```

Ingress working.

```
C:\Users\omarg\Music\Maestría\kubernetes-homework>kubectl get ingress -n tarea-kubernetes
NAME             CLASS   HOSTS          ADDRESS        PORTS   AGE
webapp-ingress   nginx   webapp.local   192.168.49.2   80      16m
```