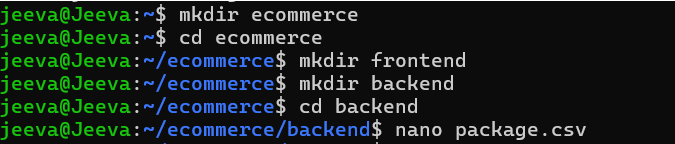
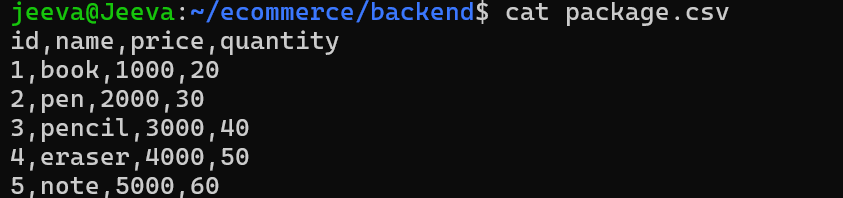
DAY 3

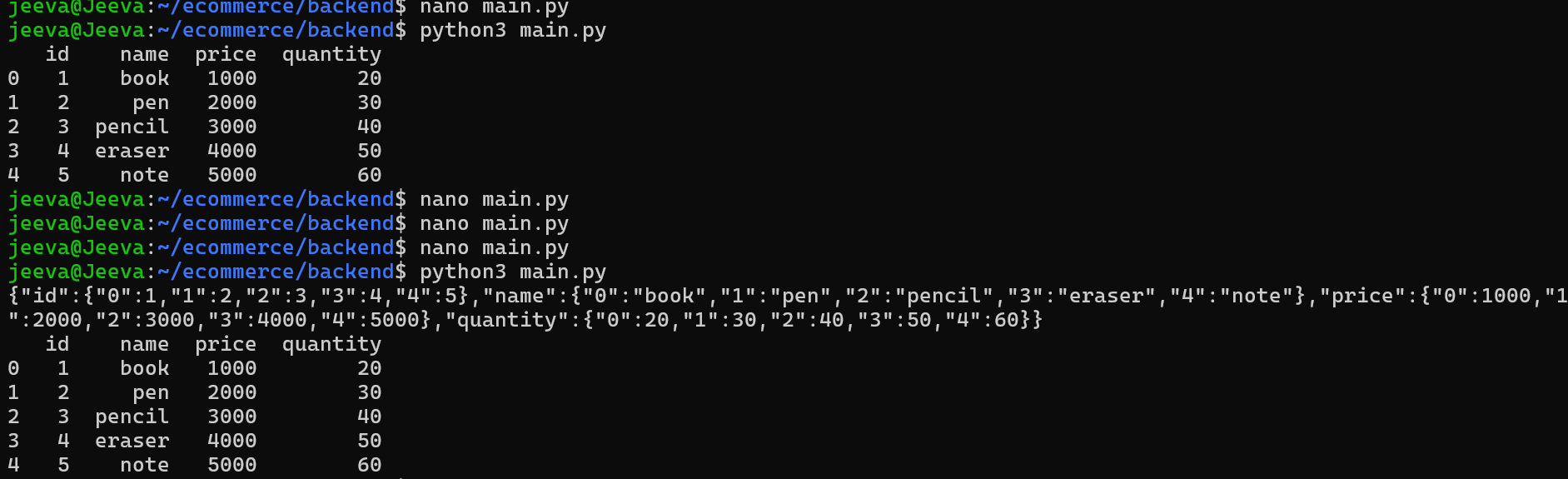
DEVOPS

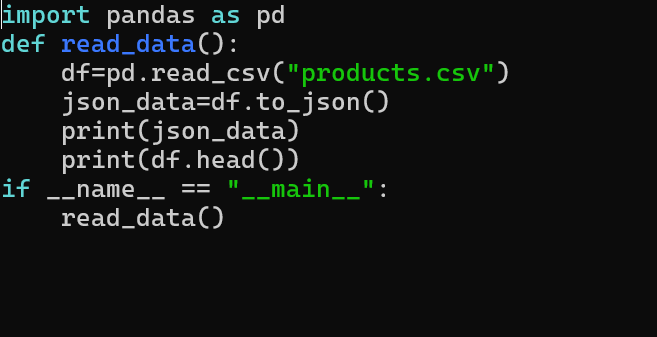
STEP -1: CREATE THE DIRECTORIES AND CREATE PACKAGE.CSV AND TYPE THE FOLLOWING CODE.

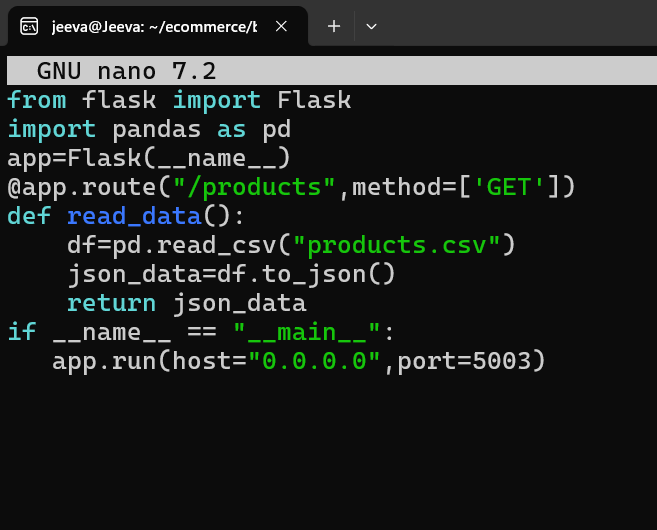




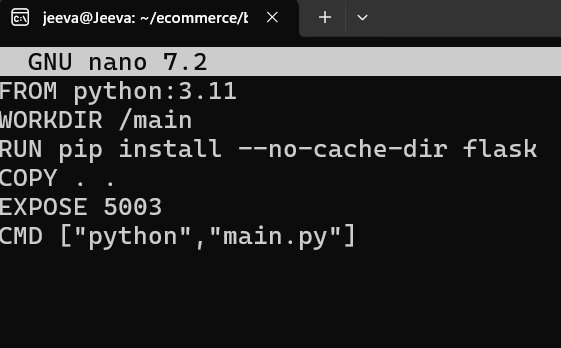
STEP -2 :TO READ AND WRITE THE FILE:



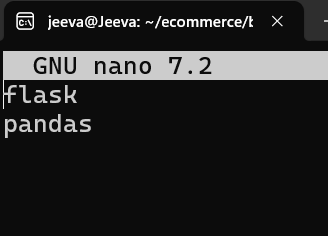




STEP-3 :CREATE DOCKERFILE



STEP-4 : CREATE REQUIREMENTS.TXT

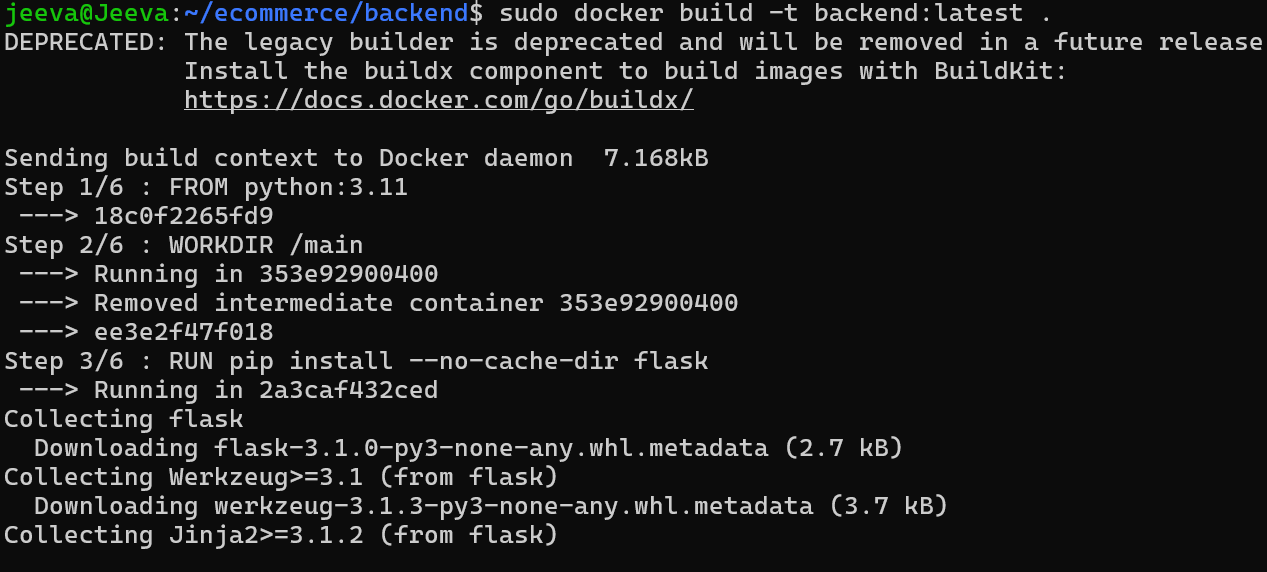


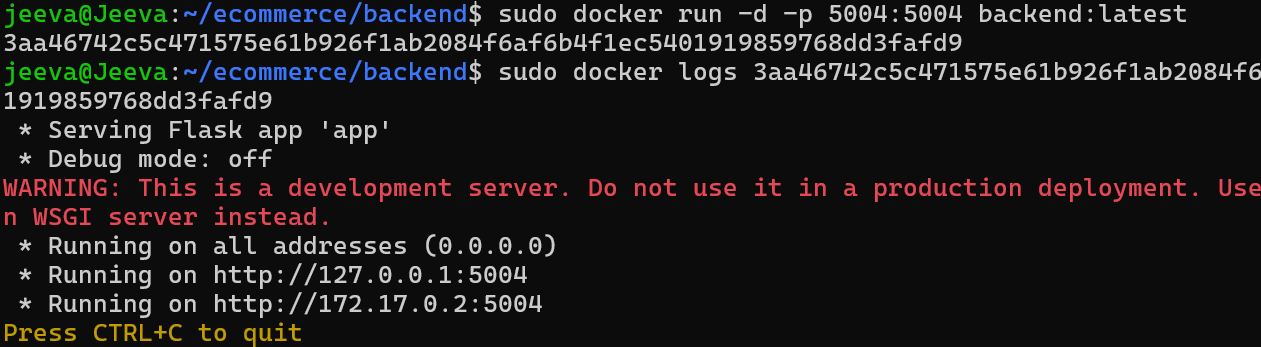
STEP 5:CREATE docker-comper.yml file



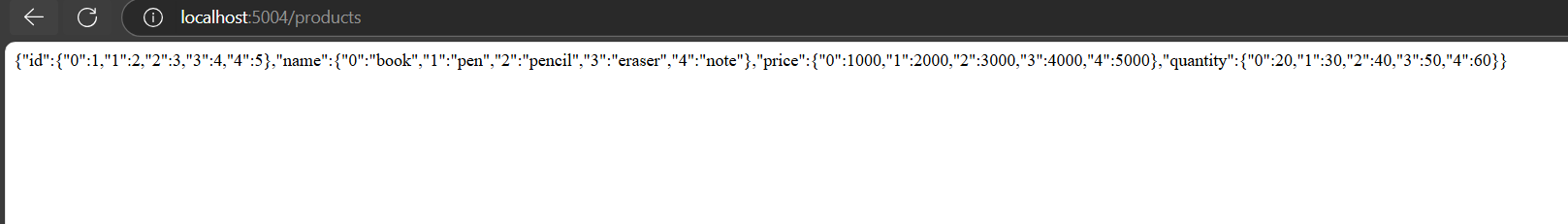
STEP-6 : BUILD AND RUN THE APPLICATION LOCALLY

1)BUILD DOCKER IMAGES

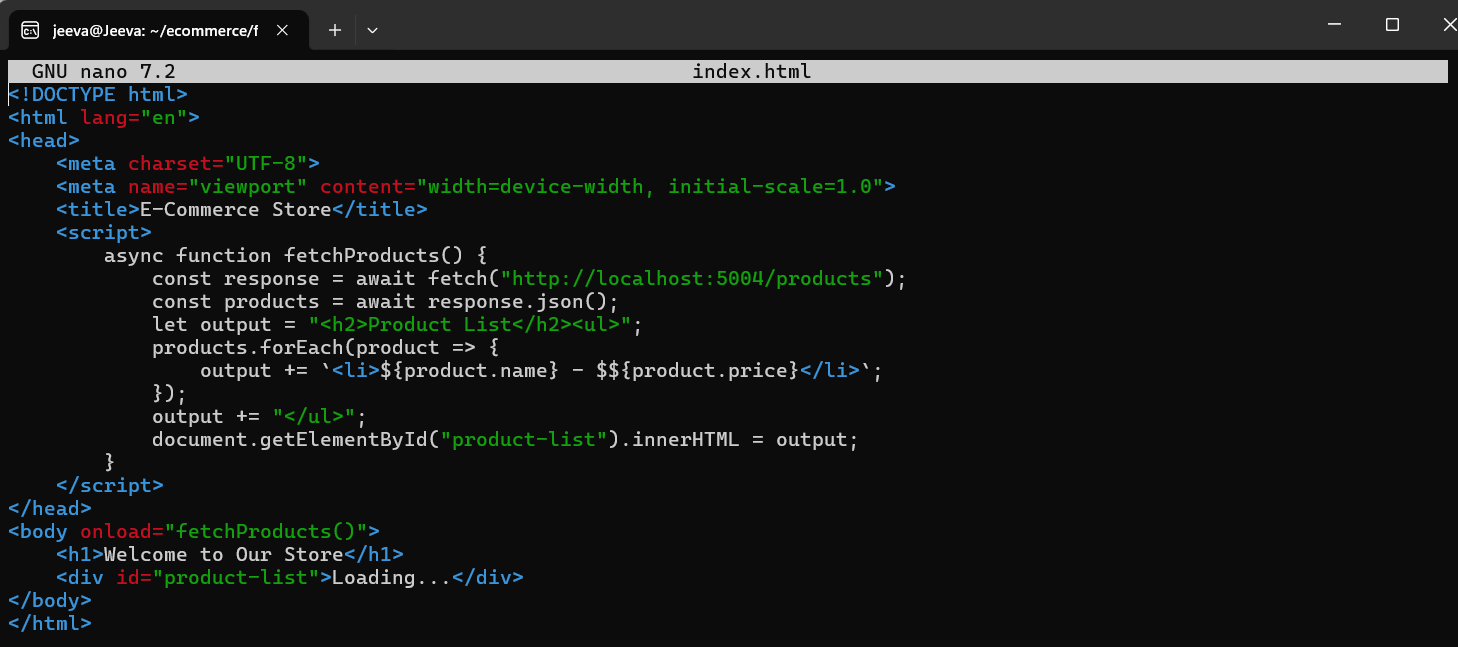




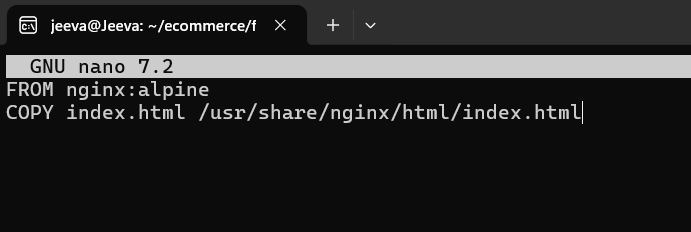
2) IN LOCALH0ST SEE THE OUTPUT



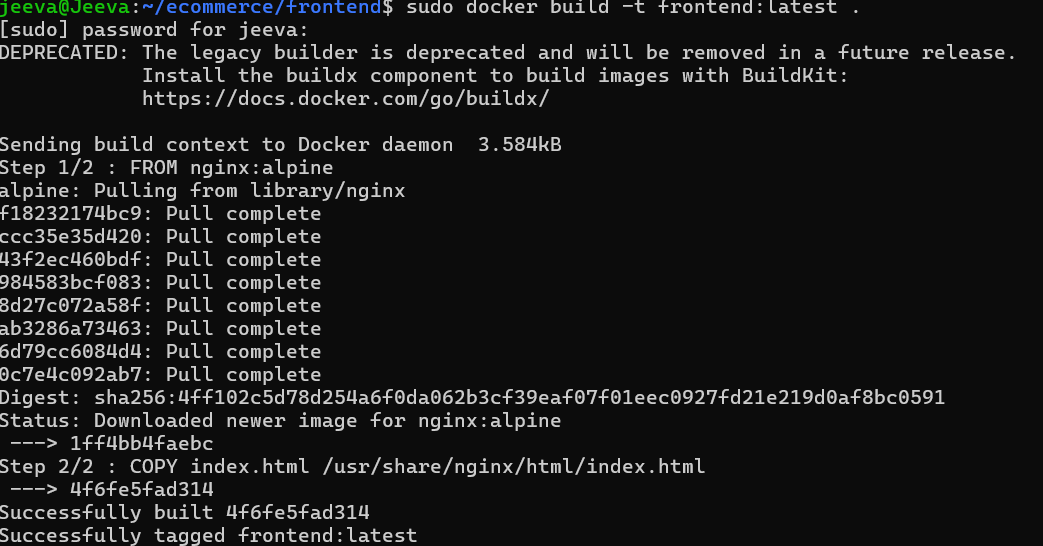
STEP -7: IN FRONTEND CREATE INDEX.HTML



STEP-8: IN FRONTEND THE DOCKERFILE



STEP-9 : CREATE A FRONTEND BUILD FOR DOCKER



STEP-10 : CREATE KUBERNETES DEPLOYMENT YAML FILES

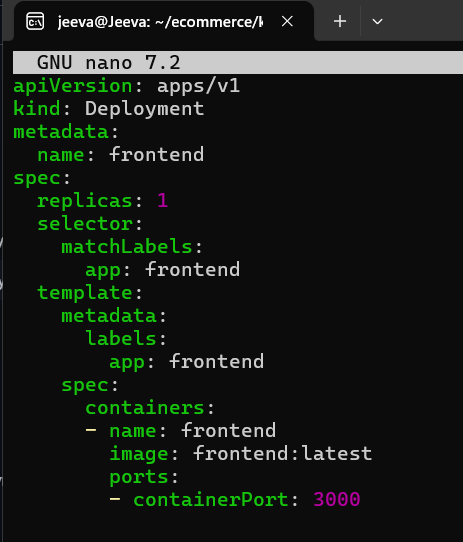
K8s/backend-deployment.yaml



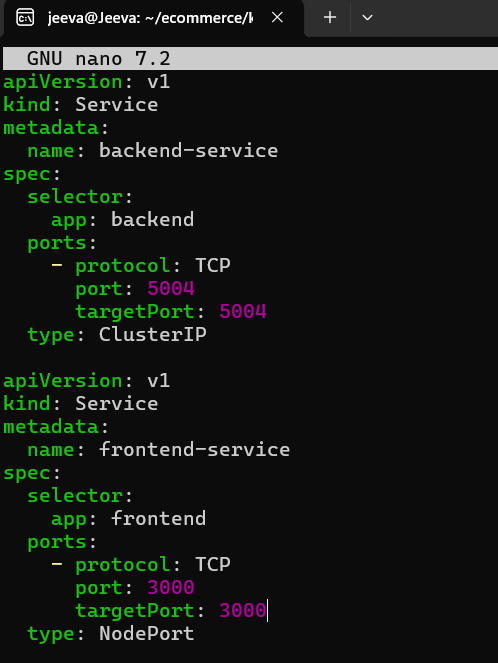
STEP-11 CREATE CONFIGURE FILE FOR BACKEND-DEPLOYMENT.YAML



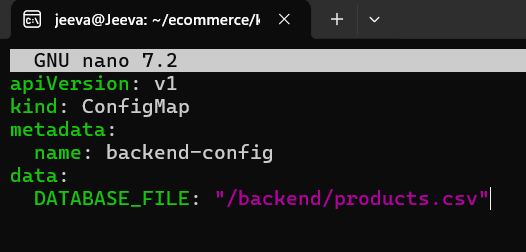
STEP-12 : CREATE A FRONTEND::FRONTEND-DEPLOYMENT.YAML



STEP-13:CREATE SERVICE.YAML

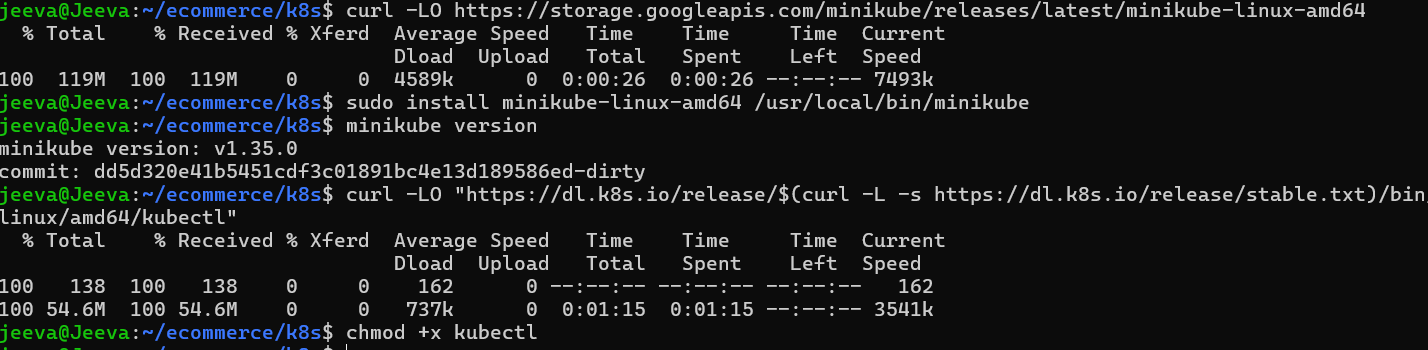


STEP-13:CREATE configmap.yaml



STEP-14 BUILD AND RUN THE APPLICATION LOCALLY

1)INSTALL THE MINIKUBE



TO MAKE IT EXECUTABLE

chmod +x kubectl

MOVE TO A SYSTEM PATH

sudo mv kubectl /usr/local/bin/

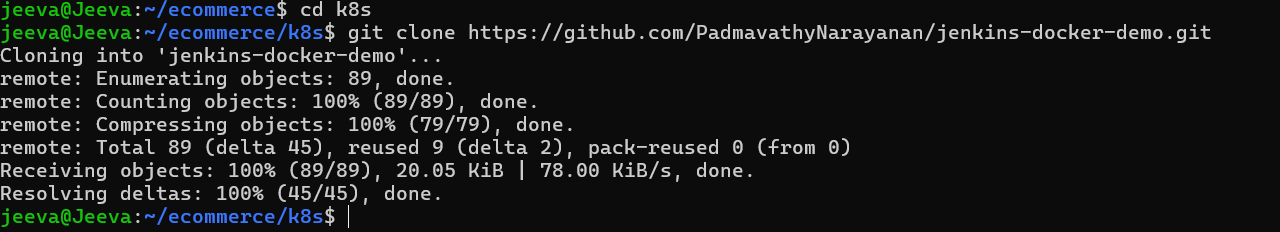
VERIFY INSTALLATION

kubectl version –client

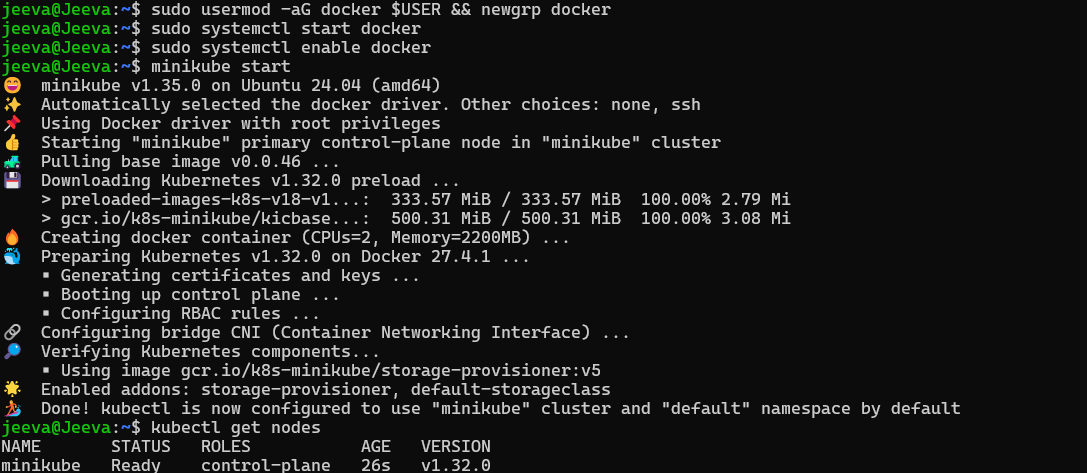
DAY-4

DEVOPS

CLONING:

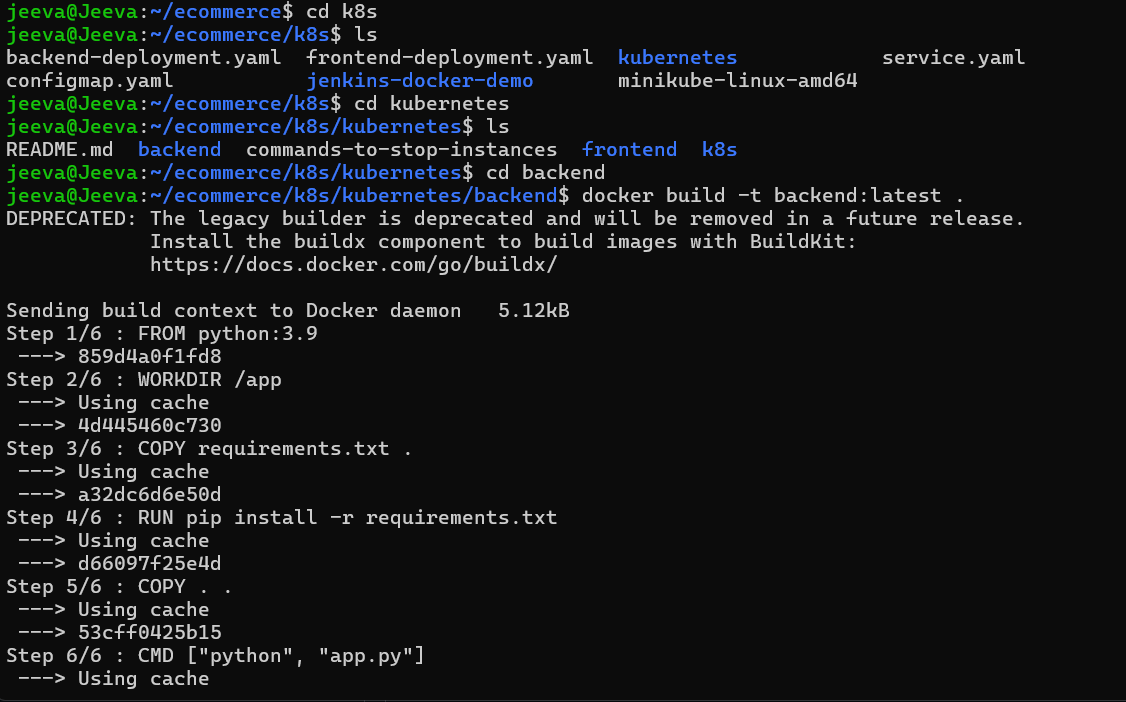


STARTING MINIKUBE



TO RUN AN APPLICATION LOCALLY

TO BUILD A BACKEND FOR MINIKUBE



#user folder

eval $(minikube docker-env)

# Navigate to backend folder

cd backend

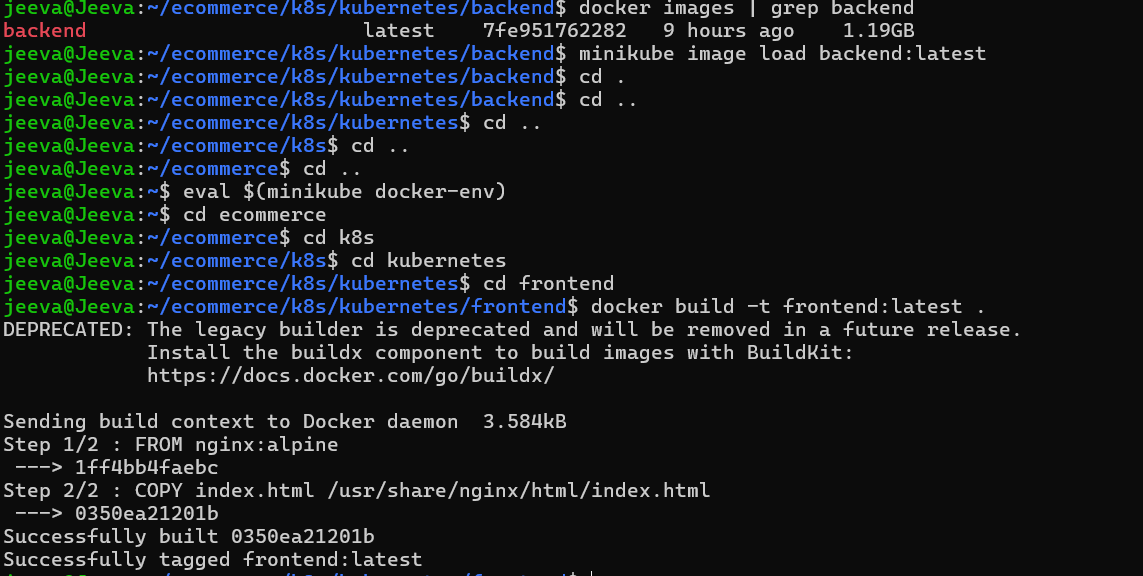
docker build -t backend:latest .

#Then verify the image exist:

docker images | grep backend

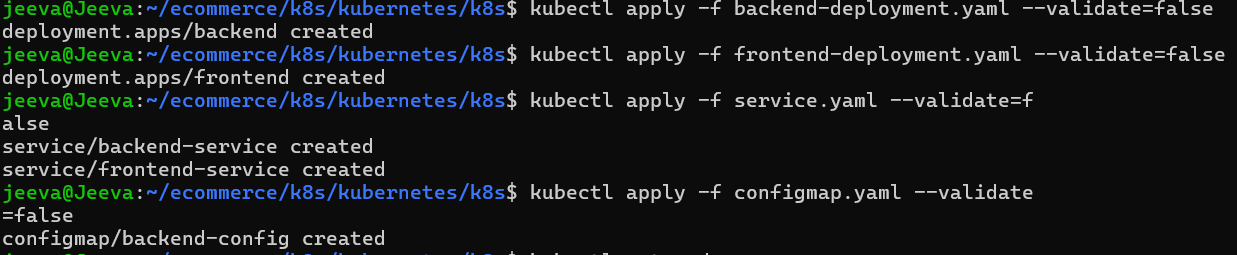
minikube image load backend:latest

TO BUILD A FRONTEND FOR MINIKUBE

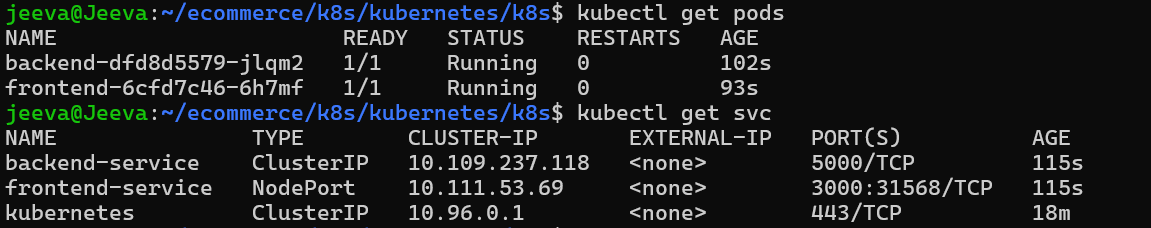




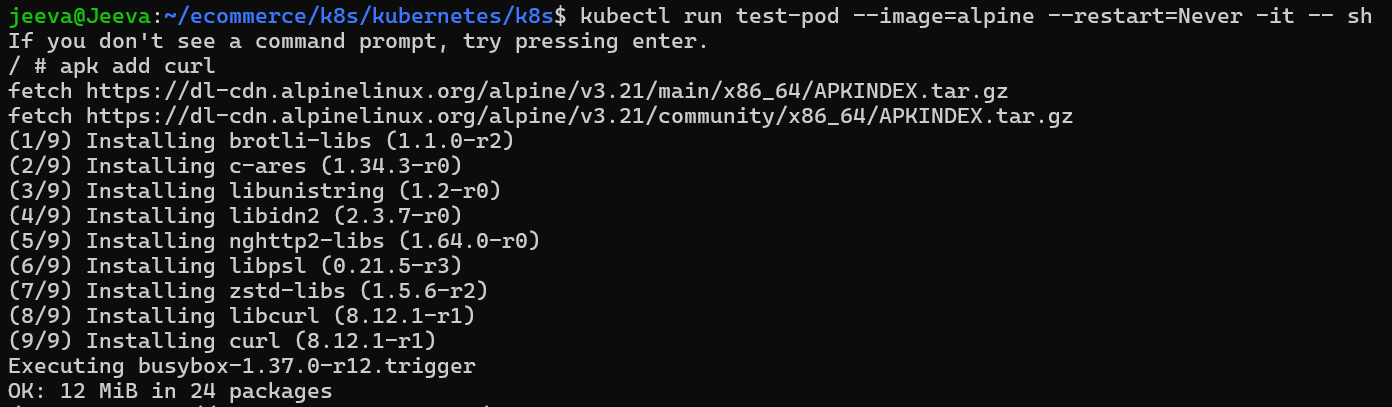
To create a Deployment file for Kubernetes for frontend, Backend, service.yaml,

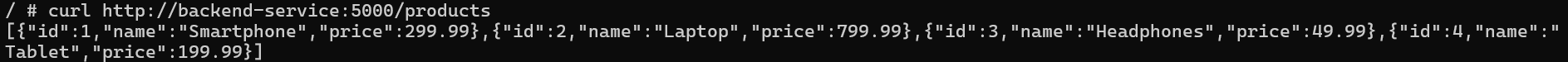


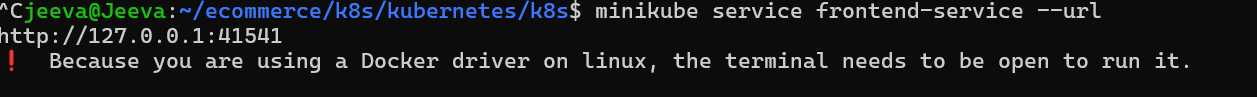
TO CREATE PODS AND SVC

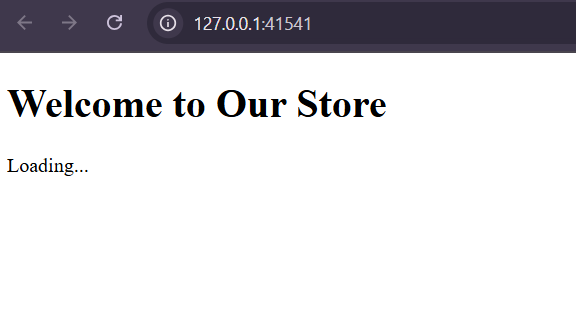


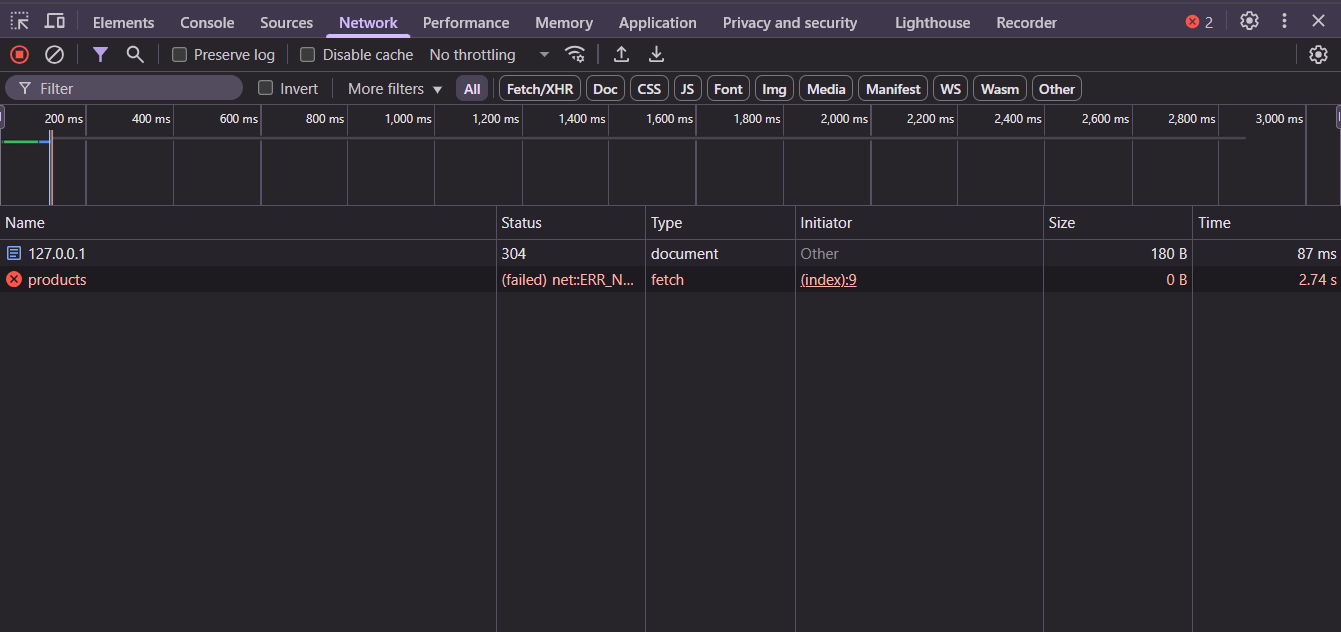
To check the output:





TO VERIFY THE OUTPUT IN FRONTEND:  






In inspect page we are expected this kind of output, because we are running this frontend in localhost.