TASK - 3

Kubernetes-based React E-Commerce Application

STEP 1: Clone the GitHub Repository using the git clone command

```
Cloning into 'E-Commerce'...
remote: Enumerating objects: 43, done.
remote: Counting objects: 100% (43/43), done.
remote: Compressing objects: 100% (37/37), done.
remote: Total 43 (delta 10), reused 37 (delta 4), pack-reused 0 (from 0)
Receiving objects: 100% (43/43), 722.22 KiB | 189.00 KiB/s, done.
Resolving deltas: 100% (10/10), done.
root@ubuntu:/home/vboxuser# sudo chown -R $USER:$USER E-Commerce
root@ubuntu:/home/vboxuser# sudo chmod -R 755 E-Commerce
```

STEP 2: Check the Docker file

cat Dockerfile

STEP 3: Build a Docker image

docker build -t ecommerce: latest .

STEP 4: Checking Deployment Configuration

cat deployment.yml

STEP 5: Deploying to Kubernetes

kubectl apply -f deployment.yml

STEP 6: Loading the Docker Image into Minikube

minikube image load ecommerce:latest

STEP 7: Deploying a NodePort Service

kubectl apply -f Nodeport.yaml

STEP 8: Opening the Service in a Browser

minikube service react-ecommerce-service











