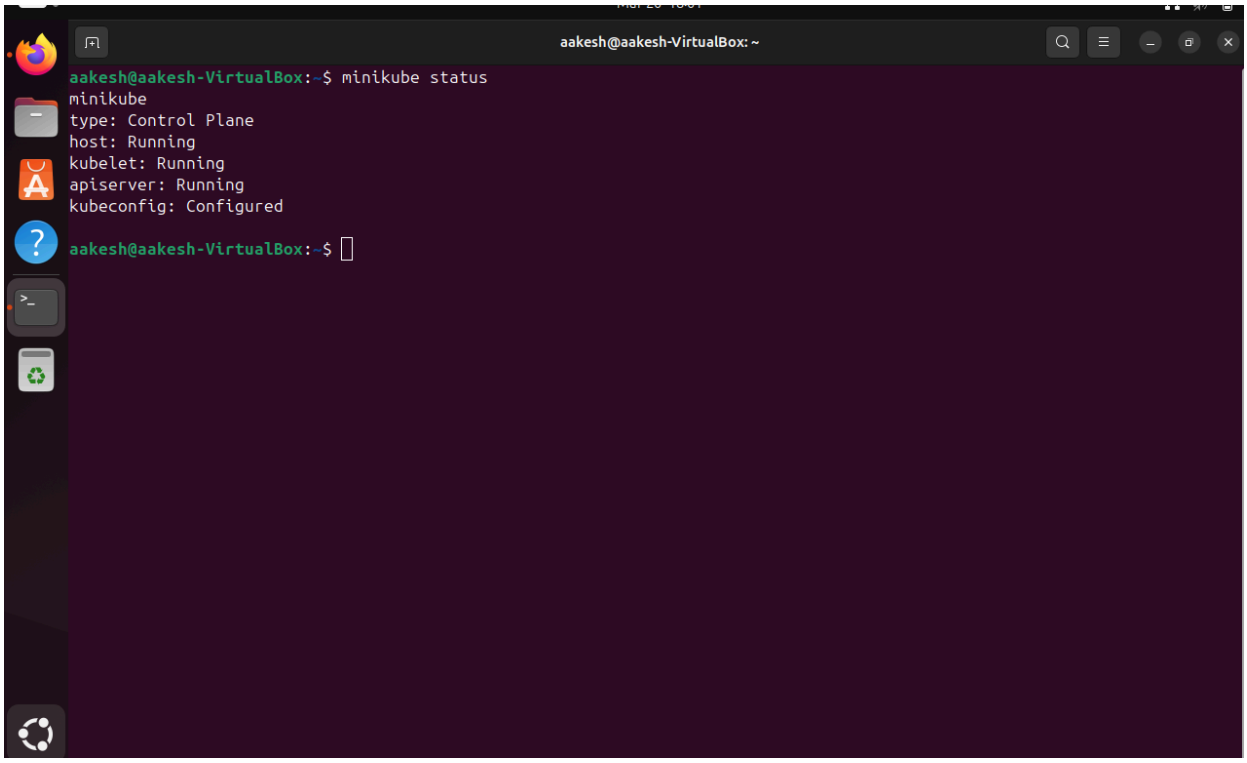
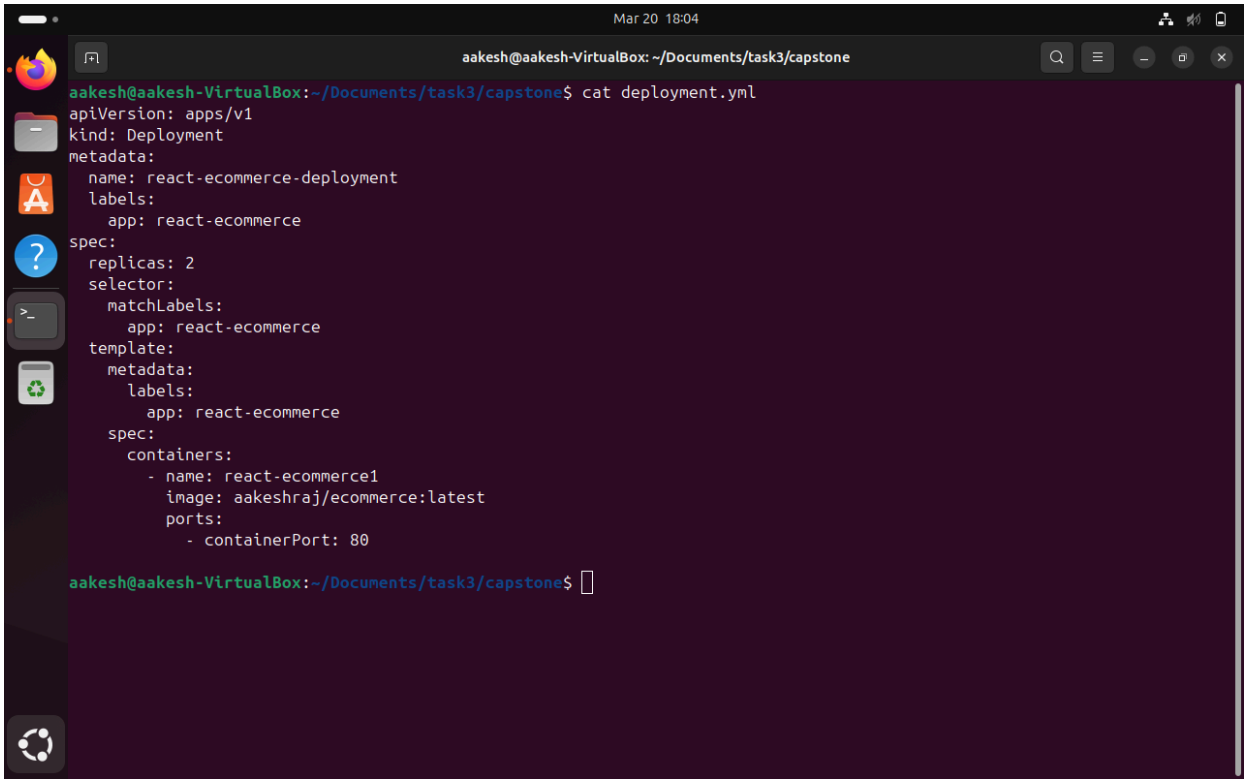
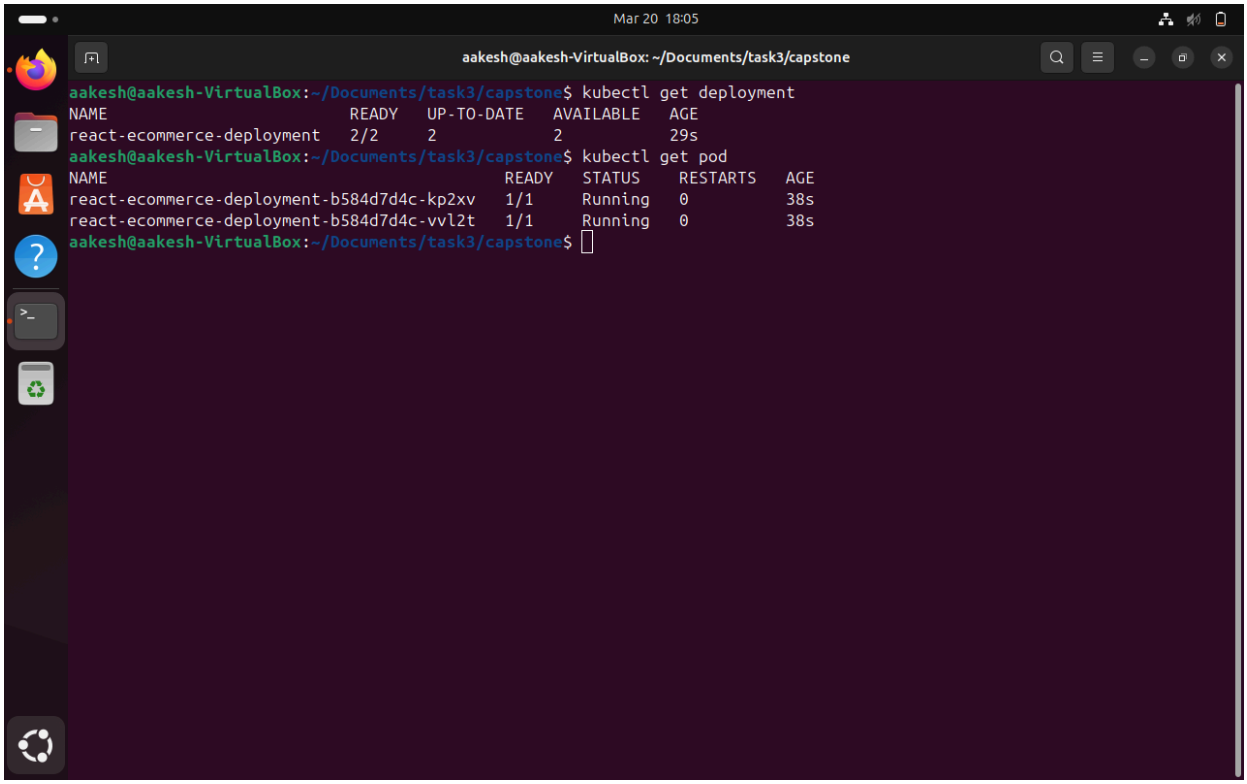
Installed Minikube for using kubernetes:



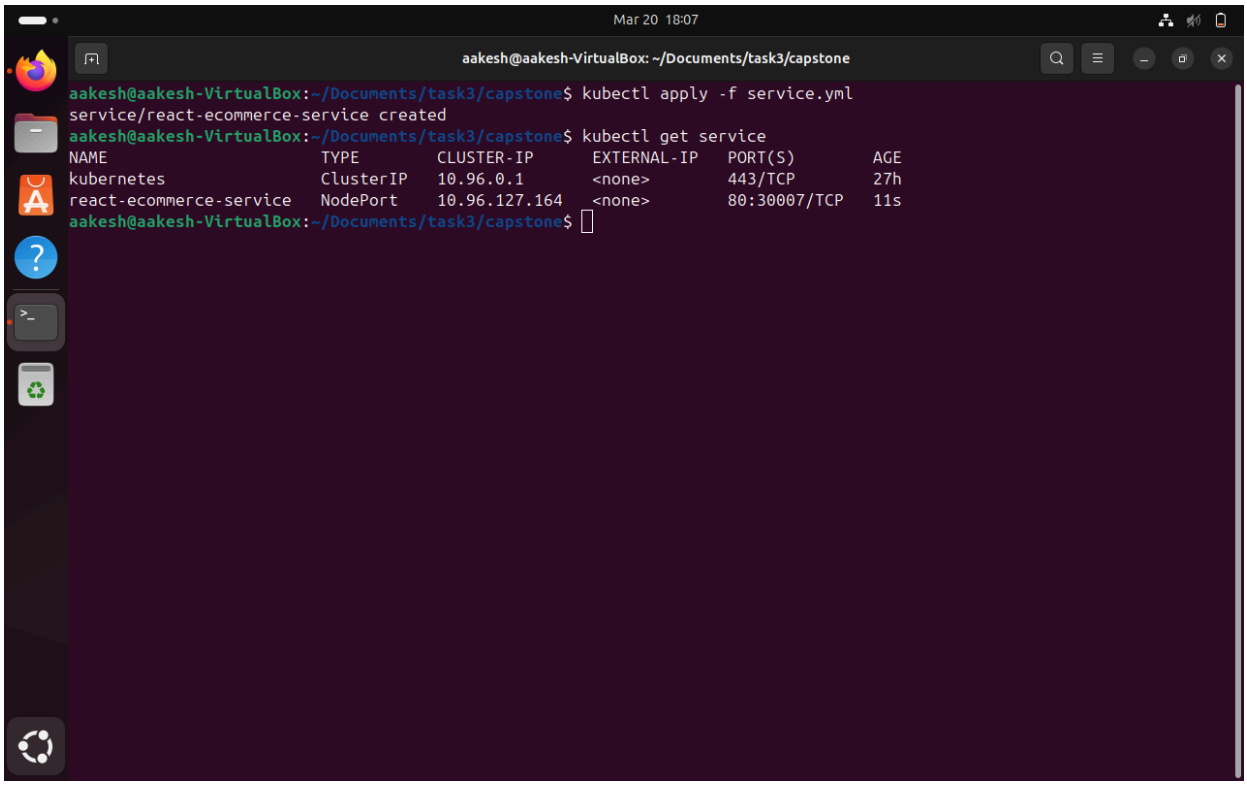
Deployment.yml for react ecoomerce application:



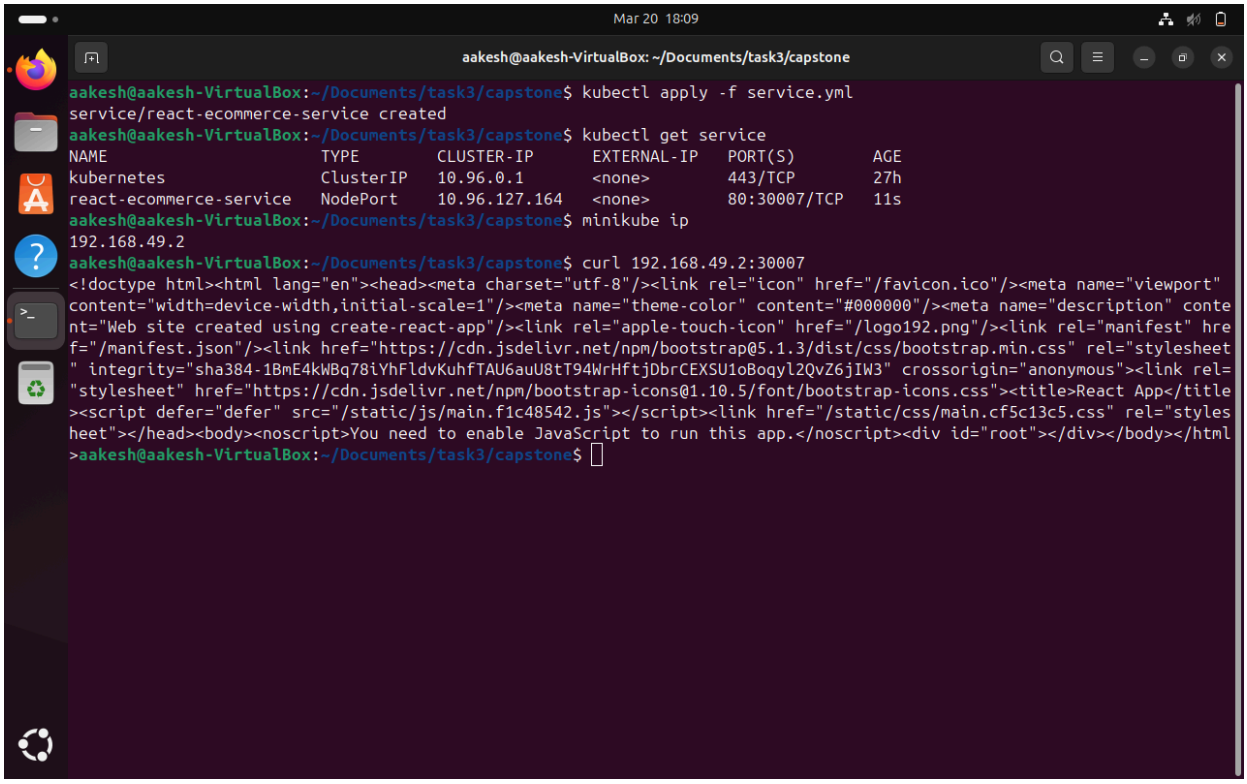
Created deployment and checked for pods:



Created service and exposed the port:



Checked for the deployment and it is running:


Mar 20 18:09
aakesh@aakesh-VirtualBox: ~/Documents/task3/capstone
aakesh@aakesh-VirtualBox:~/Documents/task3/capstone$ kubectl apply -f service.yml
service/react-ecommerce-service created
aakesh@aakesh-VirtualBox:~/Documents/task3/capstone$ kubectl get service
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 27h
react-ecommerce-service NodePort 10.96.127.164 <none> 80:30007/TCP 11s
aakesh@aakesh-VirtualBox:~/Documents/task3/capstone$ minikube ip
192.168.49.2
aakesh@aakesh-VirtualBox:~/Documents/task3/capstone$ curl 192.168.49.2:30007
<!doctype html><html lang="en"><head><meta charset="utf-8"/><link rel="icon" href="/favicon.ico"/><meta name="viewport"
content="width=device-width,initial-scale=1"/><meta name="theme-color" content="#000000"/><meta name="description" conte
nt="Web site created using create-react-app"/><link rel="apple-touch-icon" href="/logo192.png"/><link rel="manifest" hre
f="/manifest.json"/><link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css" rel="stylesheet
" integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3" crossorigin="anonymous"><link rel=
"stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.10.5/font/bootstrap-icons.css"><title>React App</title
><script defer="defer" src="/static/js/main.f1c48542.js"></script><link href="/static/css/main.cf5c13c5.css" rel="styles
heet"></head><body><noscript>You need to enable JavaScript to run this app.</noscript> </body></html
>aakesh@aakesh-VirtualBox:~/Documents/task3/capstone$