

TASK 3 COMPLETED

```
Activities Terminal Thu 01:52 hemanath@ubuntu: ~/capstone
File Edit View Search Terminal Help
kubeconfig: Configured
hemanath@ubuntu:~/capstone$ kubectl create -f deployment.yml
service/react-e-commerce-service created
hemanath@ubuntu:~/capstone$ kubectl get deployments
No resources found in default namespace.
hemanath@ubuntu:~/capstone$
hemanath@ubuntu:~/capstone$
hemanath@ubuntu:~/capstone$ nano deployment.yml
hemanath@ubuntu:~/capstone$ kubectl create -f deployment.yml
The Service "react-e-commerce-service" is invalid: spec.ports[0].nodePort: Invalid value: 30007: provided port is already allocated
hemanath@ubuntu:~/capstone$ nano deployment.yml
hemanath@ubuntu:~/capstone$ kubectl create -f deployment.yml
The Service "react-e-commerce-service" is invalid: spec.ports[0].nodePort: Invalid value: 30007: provided port is already allocated
hemanath@ubuntu:~/capstone$ nano deployment.yml
hemanath@ubuntu:~/capstone$ kubectl create -f deployment.yml
The Service "react-e-commerce-service" is invalid: spec.ports[0].nodePort: Invalid value: 30007: provided port is already allocated
hemanath@ubuntu:~/capstone$ kubectl get services
NAME                TYPE        CLUSTER-IP    EXTERNAL-IP  PORT(S)          AGE
kubernetes          ClusterIP   10.96.0.1     <none>       443/TCP          23h
react-e-commerce-service NodePort    10.107.207.225 <none>       80:30007/TCP    6m49s
hemanath@ubuntu:~/capstone$ kubectl delete service ^C
hemanath@ubuntu:~/capstone$ kubectl delete services react-e-commerce-service
service "react-e-commerce-service" deleted
hemanath@ubuntu:~/capstone$ kubectl create -f deployment.yml
service/react-e-commerce-service created
hemanath@ubuntu:~/capstone$ docker images
REPOSITORY          TAG         IMAGE ID       CREATED        SIZE
hemanathb/ecommerce latest      b06a3accfcd   21 hours ago  195MB
hemanathb/hem_pipeline 1          f8084e9a62e3  27 hours ago  149MB
hemanathb/hem_pipeline 2          f8084e9a62e3  27 hours ago  149MB
kicbase/stable       v0.0.46    e72c4cb9b29   2 months ago  1.31GB
hemanath@ubuntu:~/capstone$ kubectl get deployments
No resources found in default namespace.
hemanath@ubuntu:~/capstone$
```

```
Activities Terminal Thu 03:00 hemanath@ubuntu: ~/capstone
File Edit View Search Terminal Help
service/react-e-commerce-service created
hemanath@ubuntu:~/capstone$ docker images
REPOSITORY          TAG         IMAGE ID       CREATED        SIZE
hemanathb/ecommerce latest      b06a3accfcd   21 hours ago  195MB
hemanathb/hem_pipeline 1          f8084e9a62e3  27 hours ago  149MB
hemanathb/hem_pipeline 2          f8084e9a62e3  27 hours ago  149MB
kicbase/stable       v0.0.46    e72c4cb9b29   2 months ago  1.31GB
hemanath@ubuntu:~/capstone$ kubectl get deployments
No resources found in default namespace.
hemanath@ubuntu:~/capstone$ kubectl apply -f deployment.yml
Warning: resource services/react-e-commerce-service is missing the kubectrl.kubernetes.io/last-applied-configuration annotation which is required by kubectrl apply. kubectrl apply should only be used on resources created declaratively by either kubectrl create --save-config or kubectrl apply. The missing annotation will be patched automatically.
service/react-e-commerce-service configured
hemanath@ubuntu:~/capstone$ minikube start
🌟 minikube v1.35.0 on Ubuntu 18.04
🔗 Using the docker driver based on existing profile

💡 The requested memory allocation of 2200MiB does not leave room for system overhead (total system memory: 2923MiB). You may face stability issues.
💡 Suggestion: Start minikube with less memory allocated: 'minikube start --memory=2200mb'

👉 Starting "minikube" primary control-plane node in "minikube" cluster
🔧 Pulling base image v0.0.46 ...
🔄 Updating the running docker "minikube" container ...
🔥 Failing to connect to https://registry.k8s.io/ from both inside the minikube container and host machine
💡 To pull new external images, you may need to configure a proxy: https://minikube.stgs.k8s.io/docs/reference/networking/proxy/
^C
hemanath@ubuntu:~/capstone$ minikube start
🌟 minikube v1.35.0 on Ubuntu 18.04
🔗 Using the docker driver based on existing profile

💡 The requested memory allocation of 2200MiB does not leave room for system overhead (total system memory: 2923MiB). You may face stability issues.
💡 Suggestion: Start minikube with less memory allocated: 'minikube start --memory=2200mb'

👉 Starting "minikube" primary control-plane node in "minikube" cluster
🔧 Pulling base image v0.0.46 ...
```

```
Activities Terminal Thu 03:01 hemanath@ubuntu: ~/capstone
File Edit View Search Terminal Help
Enabled addons: storage-provisioner, default-storageclass
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
hemanath@ubuntu:~/capstone$ cd ..
hemanath@ubuntu:~/capstone$ nano deployment.yml
hemanath@ubuntu:~/capstone$ kubectl apply -f mydeployment.yml
error: the path "mydeployment.yml" does not exist
hemanath@ubuntu:~/capstone$ kubectl apply -f deployment.yml
deployment.apps/nginx-deployment created
hemanath@ubuntu:~/capstone$ cd capstone
hemanath@ubuntu:~/capstone$ kubectl create deployment react-ecommerce --image=hemanathb/ecommerce:latest --replicas=latest^C
hemanath@ubuntu:~/capstone$ ^C
hemanath@ubuntu:~/capstone$ kubectl create deployment react-ecommerce --image=hemanathb/ecommerce:latest --replicas=latest
error: invalid argument "latest" for "-r, --replicas" flag: strconv.ParseInt: parsing "latest": invalid syntax
See 'kubectl create deployment --help' for usage.
hemanath@ubuntu:~/capstone$ kubectl create deployment react-ecommerce --image=hemanathb/ecommerce:latest --replicas=2
error: invalid argument "eplicas=2" for "-r, --replicas" flag: strconv.ParseInt: parsing "eplicas=2": invalid syntax
See 'kubectl create deployment --help' for usage.
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-deployment-58cdc7b878-b7tlx 1/1 Running 0 40m
nginx-deployment-58cdc7b878-jzbdv 1/1 Running 0 40m
nginx-deployment-58cdc7b878-ljk9v 1/1 Running 0 40m
hemanath@ubuntu:~/capstone$ kubectl create deployment react-ecommerce --image=hemanathb/ecommerce:latest --replicas=2
deployment.apps/react-ecommerce created
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-deployment-58cdc7b878-b7tlx 1/1 Running 0 41m
nginx-deployment-58cdc7b878-jzbdv 1/1 Running 0 41m
nginx-deployment-58cdc7b878-ljk9v 1/1 Running 0 41m
react-ecommerce-8589bd44c5-5jj8g 0/1 ContainerCreating 0 3s
react-ecommerce-8589bd44c5-f486v 0/1 ContainerCreating 0 3s
hemanath@ubuntu:~/capstone$ kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 25h
react-ecommerce-service NodePort 10.111.116.30 <none> 80:30007/TCP 100m
hemanath@ubuntu:~/capstone$ curl localhost:30007
```

```
Activities Terminal Thu 03:01 hemanath@ubuntu: ~/capstone
File Edit View Search Terminal Help
nginx-deployment-58cdc7b878-jzbdv 1/1 Running 0 40m
nginx-deployment-58cdc7b878-ljk9v 1/1 Running 0 40m
hemanath@ubuntu:~/capstone$ kubectl create deployment react-ecommerce --image=hemanathb/ecommerce:latest --replicas=2
deployment.apps/react-ecommerce created
hemanath@ubuntu:~/capstone$ kubectl get pods
NAME READY STATUS RESTARTS AGE
nginx-deployment-58cdc7b878-b7tlx 1/1 Running 0 41m
nginx-deployment-58cdc7b878-jzbdv 1/1 Running 0 41m
nginx-deployment-58cdc7b878-ljk9v 1/1 Running 0 41m
react-ecommerce-8589bd44c5-5jj8g 0/1 ContainerCreating 0 3s
react-ecommerce-8589bd44c5-f486v 0/1 ContainerCreating 0 3s
hemanath@ubuntu:~/capstone$ kubectl get services
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
kubernetes ClusterIP 10.96.0.1 <none> 443/TCP 25h
react-ecommerce-service NodePort 10.111.116.30 <none> 80:30007/TCP 100m
hemanath@ubuntu:~/capstone$ curl localhost:30007
curl: (7) Failed to connect to localhost port 30007: Connection refused
hemanath@ubuntu:~/capstone$ curl localhost:30007
curl: (7) Failed to connect to localhost port 30007: Connection refused
hemanath@ubuntu:~/capstone$ curl localhost:30007
curl: (7) Failed to connect to localhost port 30007: Connection refused
hemanath@ubuntu:~/capstone$ sudo ufw status
[sudo] password for hemanath:
Status: inactive
hemanath@ubuntu:~/capstone$ sudo ufw enable
Firewall is active and enabled on system startup
hemanath@ubuntu:~/capstone$ curl localhost:30007
curl: (7) Failed to connect to localhost port 30007: Connection refused
hemanath@ubuntu:~/capstone$ curl localhost:30007^C
hemanath@ubuntu:~/capstone$ !
Executing "docker container inspect minikube --format={{.State.Status}}" took an unusually long time: 2.495804376s
Restarting the docker service may improve performance.
192.168.49.2
hemanath@ubuntu:~/capstone$ ^C
hemanath@ubuntu:~/capstone$
hemanath@ubuntu:~/capstone$
```

