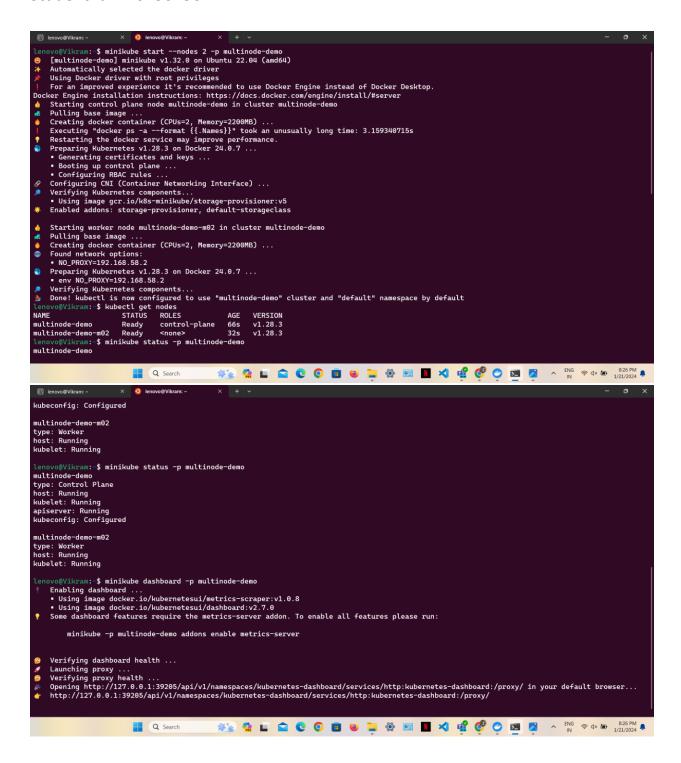
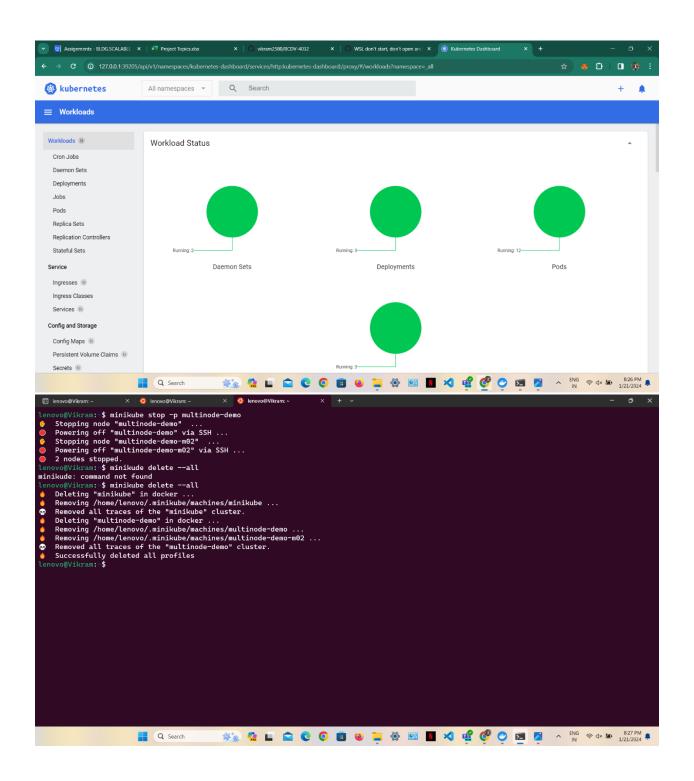
Lab 3 Vikram Singh Student Id – 101501507





```
lenovo@Vikram: ~
       Verifying Kubernetes components...
* Enabled addons: storage-provisioner, default-storageclass

* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default lenovo@Vikram:~$ kubectl apply -f replicaset.yaml replicaset.apps/nginx created
   enovo@Vikram:~$ kubectl get pods
AME READY STATUS
NAME
                                                                             RESTARTS
                                                                                                 AGE
                         0/1
0/1
nginx-8nghh
                                       ContainerCreating
                                        ContainerCreating
nginx-cp2r7
                                                                                                 4s
                                        ContainerCreating
nginx-vmp94
    novo@Vikram:~$ kubectl get pods
ME READY STATUS
inx-8nghh 0/1 ContainerCreating
                                                                             RESTARTS
                                                                                                 AGE
NAME
                         0/1
0/1
0/1
nginx-8nghh
                                                                                                 22s
                                         ContainerCreating
nginx-cp2r7
nginx-vmp94
                                        ContainerCreating
                                                                             0
                                                                                                 22s
    novo@Vikram:~$ kubectl get pods
ME READY STATUS RESTARTS
                                                                               AGE
                         1/1
1/1
1/1
nginx-8nghh
                                        Running
                                                                               88s
                                                          0
nginx-cp2r7
                                        Running
                                                                               88s
                                        Running
nginx-vmp94
                                                                               88s
nginx-vmp94 1/1 Running 6 oos
lenovo@Vikram:~$ kubectl delete pod nginx-vmp94
pod "nginx-vmp94" deleted
lenovo@Vikram:~$ kubectl get pods
NAME READY STATUS RESTARTS AGE
                         1/1
1/1
nginx-8nghh
                                        Running
                                                                               2m17s
nginx-8tcvh
                                                                               2m17s
nginx-cp2r7
                                        Running
                                                          Θ
   enovo@Vikram:~$ kubectl get replicasets
lenovo@Vikram:-$ kubectl apply -f deployment.yaml
deployment.apps/nginx-deployment created
lenovo@Vikram:-$ kubectl get deployments
NAME READY UP-TO-DATE AVAILABLE AGE
nginx-deployment 3/3 3 3 330s
lenovo@Vikram:-$ kubectl rollout status deployment nginx
Error from server (NotFound): deployments.apps "nginx" not found
lenovo@Vikram:-$ kubectl rollout status deployment nginx-deployment
lenovo@Vikram:-$ kubectl rollout status deployment nginx-deployment
lenovo@Vikram:-$ kubectl apply -f statefulset.yaml
service/nginx-created
 service/nginx created
statefulset.apps/web created
lennov@Vikram:~$ kubectl get statefulsets
NAME READY AGE
        READY AGE

9/3 11s

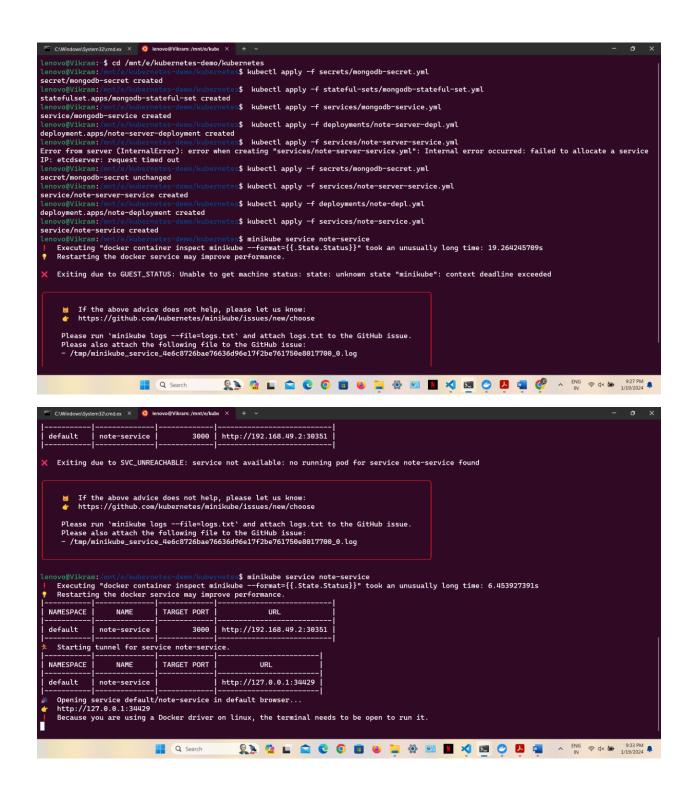
o@Vikram:~$ kubectl get statefulsets

READY AGE

9/3 33s

o@Vikram:~$ |
                                                                     Q Search
            -deployment 3/3 3 10m
o@Vikram:-$ kubectl apply -f deploymentHealthCheck.yaml
yment.apps/nginx-deployment configured
o@Vikram:-$ kubectl get deployments
READY UP-TO-DATE AVAILABLE AGE
-deployment 3/3 1 3 12m
 nginx-deployment
Lenovo@Vikram:~$|
                                                                     (2) 1/2/2024 A
                                     Q Search
```

Kubernetes Demo screenshots





Important Assignments

