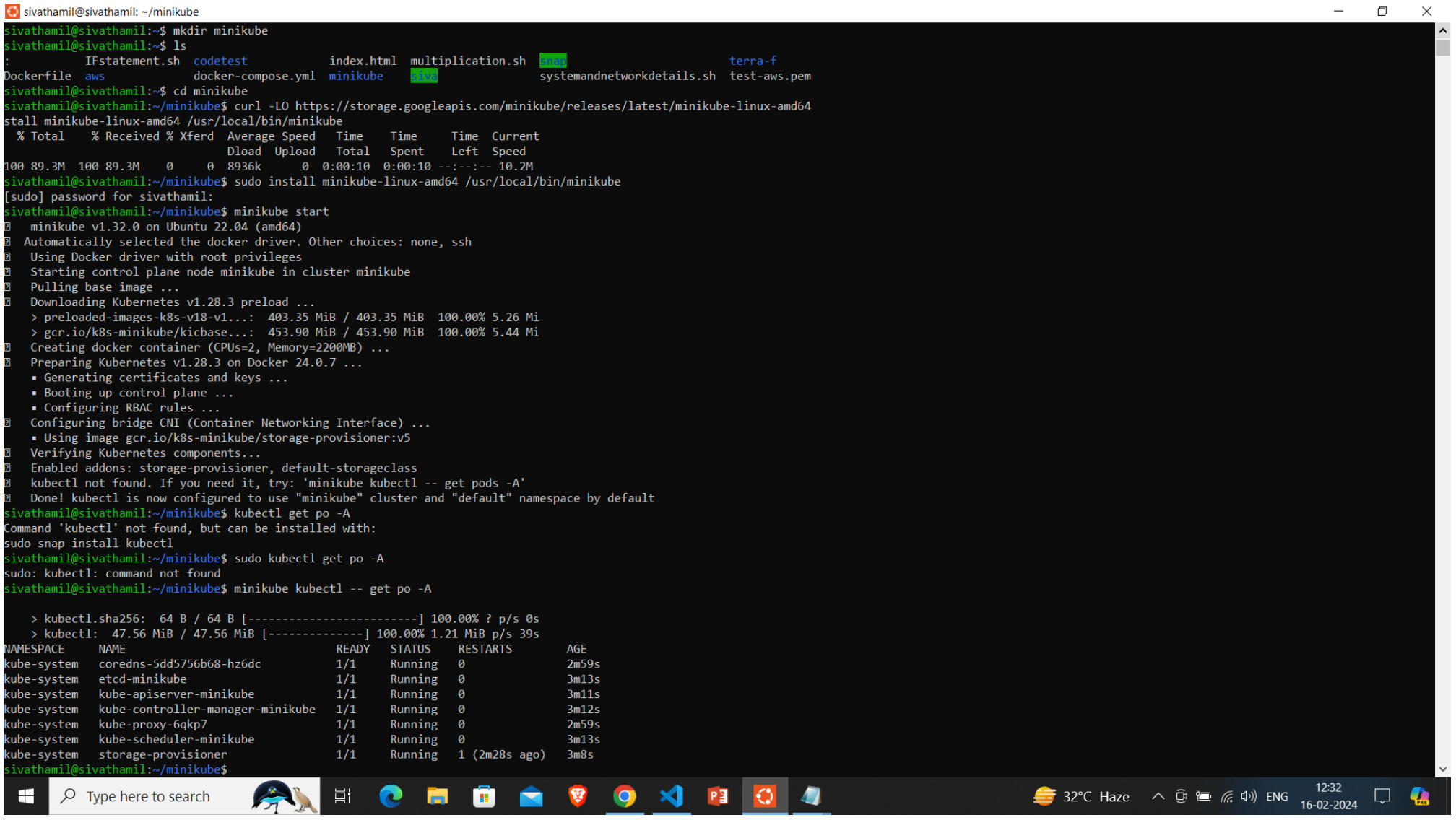
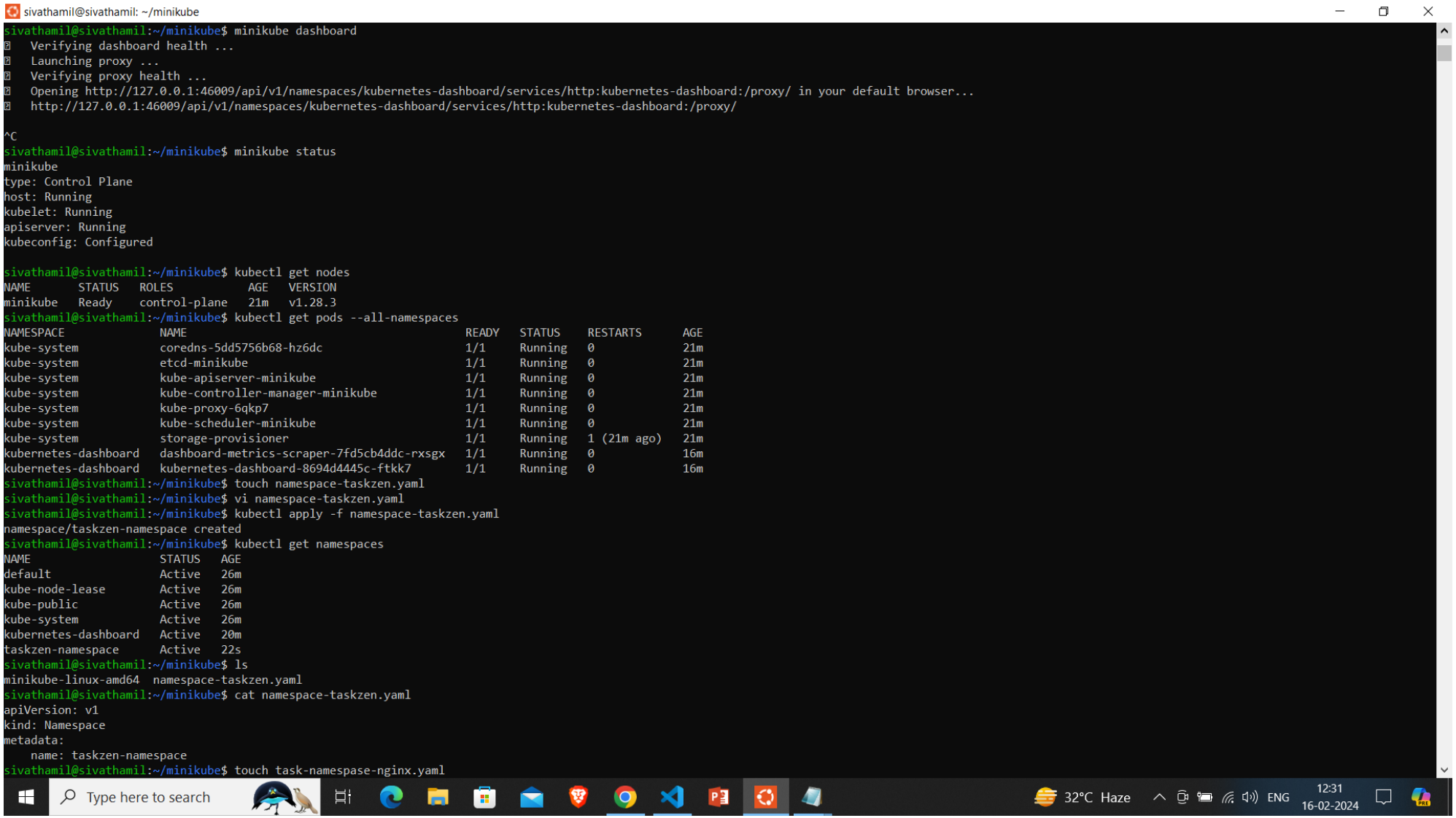
SETUP MINIKUBE AT YOUR LOCAL AND EXPLORE CREATING NAMESPACES

Setup Minikube at local



Minikube Status



Creating Namespaces

```
sivathamil@sivathamil:~/minikube$ touch namespace-taskzen.yaml
sivathamil@sivathamil:~/minikube$ vi namespace-taskzen.yaml
sivathamil@sivathamil:~/minikube$ kubectl apply -f namespace-taskzen.yaml
namespace/taskzen-namespace created
sivathamil@sivathamil:~/minikube$ kubectl get namespaces
NAME                   STATUS   AGE
default                Active   26m
kube-node-lease        Active   26m
kube-public            Active   26m
kube-system            Active   26m
kubernetes-dashboard   Active   20m
taskzen-namespace      Active   22s
sivathamil@sivathamil:~/minikube$ ls
minikube-linux-amd64  namespace-taskzen.yaml
sivathamil@sivathamil:~/minikube$ cat namespace-taskzen.yaml
apiVersion: v1
kind: Namespace
metadata:
    name: taskzen-namespace
sivathamil@sivathamil:~/minikube$ touch task-namespase-nginx.yaml
sivathamil@sivathamil:~/minikube$ vi task-namespase-nginx.yaml
```

Deploy Resources to the Namespace

sivathamil@sivathamil: ~/minikube

```
sivathamil@sivathamil:~/minikube$ kubectl create deployment nginx --image=nginx --namespace=taskzen-namespace
deployment.apps/nginx created
sivathamil@sivathamil:~/minikube$ kubectl get pods -n taskzen-namespace
NAME                     READY   STATUS    RESTARTS   AGE
nginx-7854ff8877-qtn24   1/1     Running   0          65s
sivathamil@sivathamil:~/minikube$ kubectl get pods --all-namespaces
NAMESPACE              NAME                                         READY   STATUS    RESTARTS       AGE
kube-system            coredns-5dd5756b68-hz6dc                     1/1     Running   0              104m
kube-system            etcd-minikube                                1/1     Running   0              104m
kube-system            kube-apiserver-minikube                      1/1     Running   0              104m
kube-system            kube-controller-manager-minikube             1/1     Running   0              104m
kube-system            kube-proxy-6qkp7                             1/1     Running   0              104m
kube-system            kube-scheduler-minikube                      1/1     Running   0              104m
kube-system            storage-provisioner                          1/1     Running   1 (103m ago)   104m
kubernetes-dashboard   dashboard-metrics-scraper-7fd5cb4ddc-rxsgx   1/1     Running   0              98m
kubernetes-dashboard   kubernetes-dashboard-8694d4445c-ftkk7        1/1     Running   0              98m
taskzen-namespace      nginx-7854ff8877-qtn24                       1/1     Running   0              2m38s
sivathamil@sivathamil:~/minikube$ kubectl get namespaces
NAME                   STATUS   AGE
default                Active   105m
kube-node-lease        Active   105m
kube-public            Active   105m
kube-system            Active   105m
kubernetes-dashboard   Active   99m
taskzen-namespace      Active   79m
sivathamil@sivathamil:~/minikube$ kubectl get nodes
NAME       STATUS   ROLES           AGE    VERSION
minikube   Ready    control-plane   106m   v1.28.3
sivathamil@sivathamil:~/minikube$
```

Comment in Minikube And Namespace

MINIKUBE LINUX	NAMESPACE
✓ curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64 ✓ sudo install minikube-linux-amd64 /usr/local/bin/minikube ✓ minikube start ✓ minikube kubectl -- get po -A ✓ minikube status ✓ kubectl get nodes	➢ Touch testnamespace.yaml apiVersion: v1 kind: Namespace metadata: name: test-namespace ➢ kubectl apply -f testnamespace.yaml ➢ kubectl get namespaces ➢ **Deploy Resources to the Namespace** kubectl create deployment nginx --image=nginx --namespace=test-namespace

Thank You……..