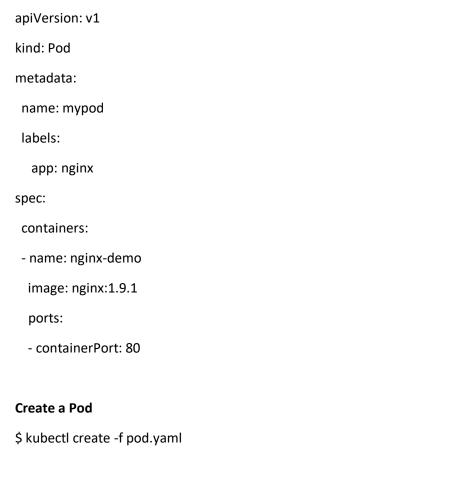
# Working with Pods & Namespaces

- 1. Create a directory login to the directory and perform the below.
- 2. Create a YAML(pod.yaml) for Pod and name the Pod as mypod



# **Create a Namespace**

\$ kubectl create ns test

### Create a Pod in a given Namespace

\$ kubectl create -f pod.yaml -n test

#### **List the Pods**

\$ kubectl get pods

### List the Pods with additional detail

\$ kubectl get pods -o wide

# List the Pods in a given namespace

\$ kubectl get pods -n test

# Create a Multi-Container Pod YAML (multi-c-pod.yaml)

```
apiVersion: v1
kind: Pod
metadata:
name: multicontainer
spec:
volumes:
- name: html
  emptyDir: {}
containers:
- name: con1
  image: nginx
  volumeMounts:
  - name: html
   mountPath: /usr/share/nginx/html
- name: con2
  image: debian
  volumeMounts:
  - name: html
  mountPath: /html
  command: ["/bin/sh", "-c"]
  args:
```

```
- while true; do
  date >> /html/index.html;
  sleep 1;
  done
```

## **Deploy a Multi-Container Pod**

\$ kubectl apply -f configs/multi-c-pod.yaml

### **List the Pods**

\$ kubectl get pods

# List the Pods with all namespaces

\$ kubectl get pods --all-namespaces

### Delete the Pods.

\$ kubectl delete pod mypod -n test

kubectl delete pod –all

Working with Namespaces:

kubectl get namespace
kubectl get ns
kubectl delete ns namspacesnames