**DAY 7**

**Mini kubes:**

<https://minikube.sigs.k8s.io/docs/start/?arch=%2Fwindows%2Fx86-64%2Fstable%2F.exe+download>

* open in PowerShell (as administrator)
* following the steps accordingly

All these commands in vs code terminal

* kubectl cluster-info  
  kubectl version --client  
  kubectl get nodes  
  kubectl get pods --all-namespaces  
  kubectl get services -A01:58 PM

**Deployement code:**

apiVersion: apps/v1  
kind: Deployment  
metadata:  
  name: my-html-app  
spec:  
  replicas: 2  
  selector:  
    matchLabels:  
      app: my-html-app  
  template:  
    metadata:  
      labels:  
        app: my-html-app  
    spec:  
      containers:  
      - name: my-html-app  
        image: my\_html\_app # This is the Docker image we built locally  
        imagePullPolicy: Never # Tells Kubernetes not to pull from a registry  
        ports:  
        - containerPort: 80  
---  
apiVersion: v1  
kind: Service  
metadata:  
  name: my-html-app-service  
spec:  
  type: NodePort  
  ports:  
  - port: 80  
    targetPort: 80  
    nodePort: 30000  
  selector:  
    app: my-html-app

**code in terminal:**

**kubectl apply -f deployment.yaml  
kubectl get pods  
kubectl get nodes -o wide  
kubectl get pods -o wide  
kubectl get services**