```
Day 4
deploy.yml
apiVersion: apps/v1
kind: Deployment
metadata:
name: my-deploy
labels:
  name: my-deploy
spec:
 replicas: 4
selector:
  matchLabels:
   apptype: web-backend
strategy:
  type: RollingUpdate
 template:
  metadata:
   labels:
    apptype: web-backend
  spec:
   containers:
   - name: my-app
```

image: bharathprabakaran/app:latest

- containerPort: 7070

ports:

kubernets_cmds

\$ kubectl logs my-pod

5. Execute any command inside Pod (Inside Pod OS)

\$ kubectl exec <pod-name> -- <command>

1. Create a pod using run command \$ kubectl run <pod-name> --image=<image-name> --port=<container-port> \$ kubectl run my-pod --image=nginx --port=80 2. View all the pods (In default namespace) \$ kubectl get pods (In All namespace) \$ kubectl get pods -A # For a specific namespace \$ kubectl get pods -n kube-system # For a specific type \$ kubectl get pods <pod-name> \$ kubectl get pods <pod-name> -o wide \$ kubectl get pods <pod-name> -o yaml \$ kubectl get pods <pod-name> -o json 3. Describe a pod (View Pod details) \$ kubectl describe pod <pod-name> \$ kubectl describe pod my-pod 4. View Logs of a pod \$ kubectl logs <pod-name>

ns-test.yml
apiVersion: v1
kind: Namespace
metadata:
name: my-demo-ns
pod-ns.yml
apiVersion: v1
kind: Pod
metadata:
name: my-deploy
namespace: mydeploy
spec:
containers:
- name: my-container
image: nginx:latest
pod.txt
Create a pod using run command
\$ kubectl run <pod-name>image=<image-name>port=<container-port></container-port></image-name></pod-name>
\$ kubectl run my-podimage=nginxport=80
2. View all the pods
(In default namespace)
\$ kubectl get pods
(In All namespace)

\$ kubectl get pods -A
For a specific namespace
\$ kubectl get pods -n kube-system
For a specific type
\$ kubectl get pods <pod-name></pod-name>
\$ kubectl get pods <pod-name> -o wide</pod-name>
\$ kubectl get pods <pod-name> -o yaml</pod-name>
\$ kubectl get pods <pod-name> -o json</pod-name>
3. Describe a pod (View Pod details)
\$ kubectl describe pod <pod-name></pod-name>
\$ kubectl describe pod my-pod
4. View Logs of a pod
\$ kubectl logs <pod-name></pod-name>
\$ kubectl logs my-pod
\$ kubectl exec <pod-name> <command/></pod-name>
pod.yml
apiVersion: v1
kind: Pod
metadata:
name: my-pod
labels:
app: my-web-app
spec:
containers:

image: bharathprabakaran/app:latest ports: - containerPort: 80 rs-test.yml apiVersion: apps/v1 kind: ReplicaSet metadata: name: my-rs labels: name: my-rs spec: replicas: 4 selector: matchLabels: apptype: web-backend template: metadata: labels: apptype: web-backend spec: containers: - name: my-app image: BharathPrabakaran/app:latest ports: - containerPort: 8081

- name: nginx-container



