**Kubectl**

Kubectl run --help

Kubectl run nginx –image nginx

Kubectl get pods 🡪 total no of containers in ready state/get the no of containers running in any pod

Kubectl describe pod nginx 🡪 to get the namespace, image(s) used to create the pod(s), all the containers part of this pod, Node in which the pod is running, state of the pod and reason for the pod failure and also from events section to get the failed reason

Kubectl get pods -o wide 🡪 get the nodes for all the pods

Kubectl delete pod nginx

Kubectl run redis --image=redis123 --dry-run=client -o yaml > redis.yaml

Kubectl create -f redis.yaml

Kubectl apply -f redis.yaml

**Run containers using yaml file**

Kubectl apply -f pods.yaml

kubectl get pods

Kubectl describe pod nginx