**Kubernates Commands:**

1. Kubectl get nodes
2. Kubectl get pods
3. **To get status of the new pod**

**$$kubectl get pods -owide**

1. Apply Yaml File

**kubectl create -f pod-definition.yaml**

1. **kubectl describe pod myapp-pod // To get more information about the new pod**
2. **kubectl exec -it myapp-pod -- /bin/bash //**To open session inside pod to run any command
3. **kubectl delete -f pod-definition.yaml //To delete it**

| **Name** | **Commands** |
| --- | --- |
| Run a two-replica nginx deployment | kubectl run my-nginx –image=nginx –replicas=5 –port=80 |
| Run and expose the Nginx pod | kubectl run my-nginx –restart=Never –image=nginx –port=80 –expose |
| Run nginx deployment and expose it | kubectl run my-nginx –image=nginx –port=80 –expose |
| List of nodes and pods | kubectl get pod -o wide |
| List all of them. | kubectl get all –all-namespaces |
| Get every service | kubectl get service –all-namespaces |
| Show labeled nodes | kubectl get nodes –show-labels |
| Using a dry run, verify the yaml file | kubectl create –dry-run –validate -f pod-GFG.yaml |

**2. Check Performance**

| **Name** | **Command** |
| --- | --- |
| learn about node resource use | kubectl top node |
| Obtain pod resource use. | kubectl top pod |
| Get the resource utilization for the specified pod. | kubectl top <podname> –containers |
| List each container’s resource usage. | kubectl top pod –all-namespaces –containers=true |

**3. Label & Annontation**

| **Name** | **Commands** |
| --- | --- |
| By label, sort the pods | kubectl get pods -l owner=gfg |
| Add a label by hand to a pod. | kubectl label pods <podname> owner=gfg |
| Remove label | kubectl label pods <podname> owner- GFG |

**4.  Secrets**

| **Name** | **Commands** |
| --- | --- |
| List secrets | kubectl get secrets –all-namespaces |
| Obtain a certain hidden field of sceret. | kubectl get secret GFG-cluster-kubeconfig |

**5. Service**

| **Name** | **Commands** |
| --- | --- |
| List all services | kubectl get services |
| List service endpoints | kubectl get endpoints |
| Get service detail | kubectl get service <servicename> -o yaml |