| **Command** | **Description** |
| --- | --- |
| **kubectl get pods** | Lists all pods in the current namespace. |
| **kubectl get pods --all-namespaces** | Lists all pods across all namespaces. |
| **kubectl get all** | Displays all Kubernetes objects in the current namespace. |
| **kubectl create deployment <name> --image=<image>** | Creates a new deployment with the specified name and image. |
| **kubectl delete pod <pod\_name>** | Deletes a specific pod by its name. |
| **kubectl describe pod <pod\_name>** | Shows detailed information about a specific pod. |
| **kubectl logs <pod\_name>** | Allows you to view logs for a specific pod. |
| **kubectl exec -it <pod\_name> -- /bin/bash** | Executes a command inside a running pod (e.g., opens a bash shell). |
| **kubectl scale deployment <deployment\_name> --replicas=<number>** | Scales a deployment to a specified number of replicas. |
| **kubectl port-forward <pod\_name> <local\_port>:<pod\_port>** | Forwards a local port to a port on a pod for easier access. |
| **kubectl apply -f <filename>.yaml** | Creates or updates resources defined in a YAML file. |
| **kubectl get nodes** | Lists all nodes in the cluster. |
| **kubectl describe node <node\_name>** | Displays detailed information about a specific node. |
| **kubectl get namespaces** | Lists all namespaces in the cluster. |
| **kubectl config use-context <context\_name>** | Switches to a specific context defined in your kubeconfig file. |
| **kubectl version** | Shows the version information of the kubectl client and the Kubernetes server. |
| **kubectl get svc** | Lists all services in the current namespace. |
| **kubectl get deployments** | Displays all deployments in the current namespace. |
| **kubectl get replicasets** | Lists all ReplicaSets in the current namespace. |
| **kubectl get daemonsets** | Lists all DaemonSets in the current namespace. |
| **kubectl get statefulsets** | Lists all StatefulSets in the current namespace. |
| **kubectl edit deployment <deployment\_name>** | Opens an existing deployment for editing in your default editor. |
| **kubectl rollout status deployment/<deployment\_name>** | Checks the status of a deployment rollout. |
| **kubectl rollout undo deployment/<deployment\_name>** | Rolls back to the previous version of a deployment. |
| **kubectl get configmaps** | Lists all ConfigMaps in the current namespace. |
| **kubectl get serviceaccounts** | Displays all service accounts in the current namespace. |
| **kubectl top pods** | Shows metrics for pods, including CPU and memory usage. |
| **kubectl top nodes** | Displays metrics for nodes, including CPU and memory usage. |
| **kubectl get persistentvolumes** | **Lists all PersistentVolumes in the cluster.** |