**Scenario 2**

\*\*Scenario:\*\* "You need to mark a specific node as not ready and migrate its active pods." Designate the node `k8s-cluster-node-1` as non-operational and relocate all its active pods to other nodes.

**solution**

1. To mark the node as not ready:

kubectl cordon k8s-cluster-node-1

2. To drain the node and reschedule the pods:

kubectl drain k8s-cluster-node-1 --ignore-daemonsets --delete-emptydir-data

Note: The `--ignore-daemonsets` option ensures that DaemonSets are not disrupted, and `--delete-emptydir-data` ensures that pods using emptyDir volumes are evicted and data is deleted. Adjust the flags as per your requirements.

Optional : You can make the node schedulable with below command

kubectl uncordon k8s-cluster-node-1