Please ensure that, all the Classroom K8S Concepts covered so far, have to be practiced well both Technically and Theoretically as well for Interviews perspective like:  
\* Pods / Containers  
\* Jobs / CronJobs  
\* ReplicaSets  
\* Deployment  
\* Service / Headless Service  
\* Volumes / Persistent Volumes / Persistent Volume Claims  
\* Stateful Sets and  
\* Namespaces etc.

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Create a MySQL pod with Stateful Set with 1 replica

Create a nopCommerce deployment with 1 replica

Create a Headless Service to interact with nopCommerce with MySQL

Create a Load Balancer to expose the nopCommerce to External World

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1.Create a Kubernetes cluster using kubeadm

2.Deploy any application using kubectl

3.Backup Kubernetes I.e backup etcd  
4.List out all the pod’s running in kube system namespac  
5.Write down all the steps required to make Kubernetes highly available  
6.Do a rolling update and roll back  
7.Ensure usage of secret in MySQL and configmaps  
8.Create a nop commerce deployment with MySQL statefulset and nop deployment

**Kubernetes tasks – 11-05-2023**

1. **Create 1 master node and 2 worker nodes – run app on node1 and db on node2 by using**
   1. **Node selector**
   2. **Affinity**
   3. **Taints and tolerances**
2. **Create k8s cluster with version 1.25 and run any deployment(nginx/any) and then upgrade cluster to version 1.27**