

- 1- How many `ConfigMaps` exist in the environment?
- 2- Create a new `ConfigMap` Use the spec given below.
 `ConfigName Name: webapp-config-map`
 `Data: APP_COLOR=darkblue`
- 3- Create a `webapp-color` POD with `nginx` image and use the created `ConfigMap`
- 4- How many `Secrets` exist on the system?
- 5- How many secrets are defined in the `default-token` secret?
- 6- create a POD called `db-pod` with the image `mysql:5.7` then check the POD status
- 7- why the `db-pod` status not ready
- 8- Create a new secret named `db-secret` with the data given below.
 `Secret Name: db-secret`
 `Secret 1: MYSQL_DATABASE=sql01`
 `Secret 2: MYSQL_USER=user1`
 `Secret3: MYSQL_PASSWORD=password`
 `Secret 4: MYSQL_ROOT_PASSWORD=password123`
- 9- Configure `db-pod` to load environment variables from the newly created secret.
 Delete and recreate the pod if required.
- 10- Create a multi-container pod with 2 containers.
 `Name: yellow`
 `Container 1 Name: lemon`
 `Container 1 Image: busybox`
 `Container 2 Name: gold`
 `Container 2 Image: redis`
- 11- Create a pod `red` with `redis` image and use an `initContainer` that uses the `busybox` image and sleeps for 20 seconds
- 12- Create a pod named `print-envvars-greeting`.
 1. Configure spec as, the container name should be `print-env-container` and use `bash` image.
 2. Create three environment variables:
 - a. `GREETING` and its value should be `"Welcome to"`
 - b. `COMPANY` and its value should be `"DevOps"`

- c. GROUP and its value should be "Industries"
- 4. Use command to echo ["\$(GREETING) \$(COMPANY) \$(GROUP) "] message.
- 5. You can check the output using <kubctl logs -f [pod-name]> command.

13- Where is the default kubeconfig file located in the current environment?

14- How many clusters are defined in the default kubeconfig file?

15- What is the user configured in the current context?

16- Create a Persistent Volume with the given specification.

Volume Name: pv-log
Storage: 100Mi
Access Modes: ReadWriteMany
Host Path: /pv/log

17- Create a Persistent Volume Claim with the given specification.

Volume Name: claim-log-1
Storage Request: 50Mi
Access Modes: ReadWriteMany

18- Create a webapp pod to use the persistent volume claim as its storage.

Name: webapp
Image Name: nginx
Volume: PersistentVolumeClaim=claim-log-1
Volume Mount: /var/log/nginx