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-envars-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