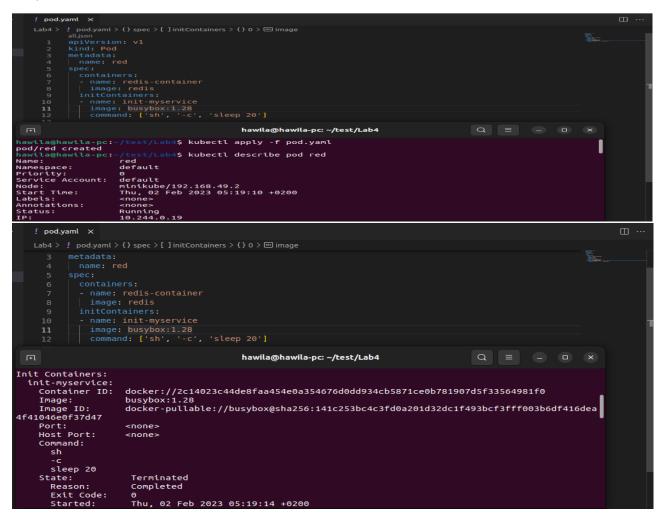
1- Create a pod red with redis image and use an initContainer that uses the busybox image and sleeps for 20 seconds

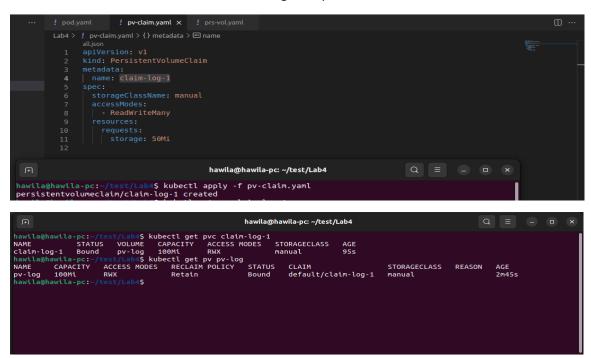


2- Create a pod named print-envars-greeting.

3- Create a Persistent Volume with the given specification.



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



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

- 6- How many DaemonSets are created in the cluster in all namespaces?
- 7- what DaemonSets exist on the kube-system namespace?

```
hawila@hawila-pc:~/test/Lab4$ kubectl get ds
No resources found in default namespace.
hawila@hawila-pc:-/test/Lab4$ kubectl get ds -A
NAMESPACE NAME DESIRED CURRENT READY UP-TO-DATE AVAILABLE NODE SELECTOR AGE
kube-system kube-proxy 1 1 1 1 1 kubernetes.io/os=linux 36h
hawila@hawila-pc:-/test/Lab4$ kubectl get ds --namespace kube-proxy
No resources found in kube-proxy namespace.
```

8- What is the image used by the POD deployed by the kube-proxy

DaemonSet

9- Deploy a DaemonSet for FluentD Logging.

10- Create a multi-container pod with 2 containers.

11- create a POD called db-pod with the image mysql:5.7 then check the

POD status

12- why the db-pod status not ready

```
Reason: CrashLoopBackOff
Last State: Terminated
Reason: Error
Exit Code: 1
```

13- 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

```
Lab4 > ! Secret.yaml > {} data > MYSQL_ROOT_PASSWORD
all.json

1 apiVersion: v1
2 kind: Secret
3 metadata:
4 name: db-secret
5 data:
6 MYSQL_DATABASE: sql01
7 MYSQL_USER: user1
8 MYSQL_PASSWORD: password
9 MYSQL_ROOT_PASSWORD: password123
```

14- Configure db-pod to load environment variables from the newly created secret.

