# LAB 6

# Q1:

```
♥ lab5.md 9+, U
                 ! webapp-lab6.yaml 1, U X ! webapp-volume.yaml 1, U
                                                                                               th □ ...
! webapp-lab6.yaml > {} spec > [ ] containers > {} 0 > \text{ } name
        name: webapp
        - env:
         - name: LOG HANDLERS
          value: file
image: kodekloud/event-simulator
         imagePullPolicy: Always
 12
       name: event-simulator
                                                                                 PROBLEMS 14 OUTPUT DEBUG CONSOLE
                                    TERMINAL
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernetes/lab1$ kubectl create
 -f webapp-lab6.yaml
pod/webapp created
```

#### **Q2**:

```
th II ...
▶ lab5.md 9+, U
                   ! webapp-lab6.yaml 1, U X ! webapp-volume.yaml 1, U
! webapp-lab6.yaml > { } spec > [ ] containers > { } 0 > [ ] volumeMounts > { } 0 > {\rm I\!\!\! m} name io.k8s.api.core.v1.Pod (v1@pod.json)
      kind: Pod
       name: webapp
               hostPath:
                 path: /var/log/webapp
       - env:
       - name: LOG HANDLERS
       value: file
          image: kodekloud/event-simulator
       imagePullPolicy: Always
       name: event-simulator
           volumeMounts:
19
                       - name: webapp-volume
                       mountPath: /log
```

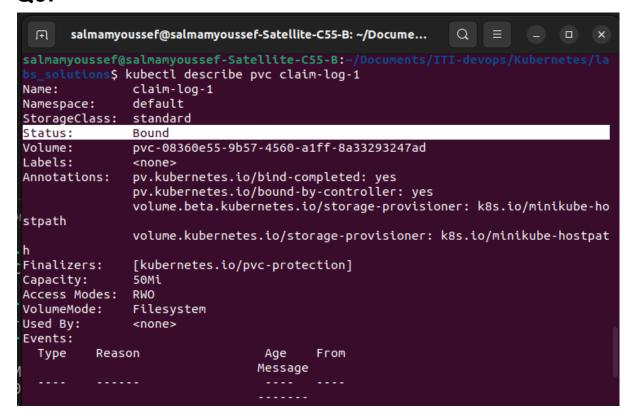
```
Mounts:
      /log from webapp-volume (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-7wspx (ro)
Conditions:
                    Status
  Type
  Initialized
                    True
  Ready
                    True
  ContainersReady
                    True
  PodScheduled
                    True
Volumes:
  webapp-volume:
                   HostPath (bare host directory volume)
    Type:
    Path:
                   /var/log/webapp
    HostPathType:
```

## Q3:

```
! webapp.yan 🐧 🛚 …
 lab5.md 9+, U
                                                               ! webapp-lab6.yaml 1, U
                                                                                                                                                               ! pv.yaml U ●
                                                                                                                                                                                                                          ! webapp-volume.yaml 1, U
   pv.yaml > { } spec > ™ persistentVolumeReclaimPolicy
                   apiVersion: v1
                                   - ReadWriteMany
                             path: /pv/log
12
                             persistentVolumeReclaimPolicy: Retain
  salmamyous sef@salmamyous sef-Satellite-C55-B: {\tt ~/Documents/ITI-devops/Kubernetes/lab1} $$ kubectl create the context of t
      -f pv.yaml
  persistentvolume/pv-log created
   salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernetes/lab1$ kubectl get pv
                                      CAPACITY
  NAME
                                                                                   ACCESS MODES
                                                                                                                                               RECLAIM POLICY
                                                                                                                                                                                                                   STATUS
                                                                                                                                                                                                                                                                    CLAIM STORAGECLASS REASON
                                                                                                                                                                                                                                                                                                                                                                                                     AG
                                      100Gi
                                                                                                                                                                                                                    Available
  pv-log
                                                                                                                                               Retain
                                                                                                                                                                                                                                                                                                                                                                                                     14
  salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernetes/lab1$
```

#### Q4:

#### Q5:



## **Q6**:

```
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernetes/la
bs_solutions$ kubectl describe pv pv-log
Name:
                  pv-log
Labels:
                   <none>
Annotations:
                   <none>
Finalizers:
                   [kubernetes.io/pv-protection]
StorageClass:
Status:
                  Available
Claim:
Reclaim Policy: Retain
Access Modes: RWX
VolumeMode: Filesystem
Capacity: 100Gi
Node Affinity: <none>
Message:
Source:
    Type:
                     HostPath (bare host directory volume)
    Path:
                     /pv/log
    HostPathType:
Events:
                     <none>
salmamyoussef@salmamyoussef-Satellite-C55-B:~/Documents/ITI-devops/Kubernetes/la
```

# **Q8**:

because, they have different access modes