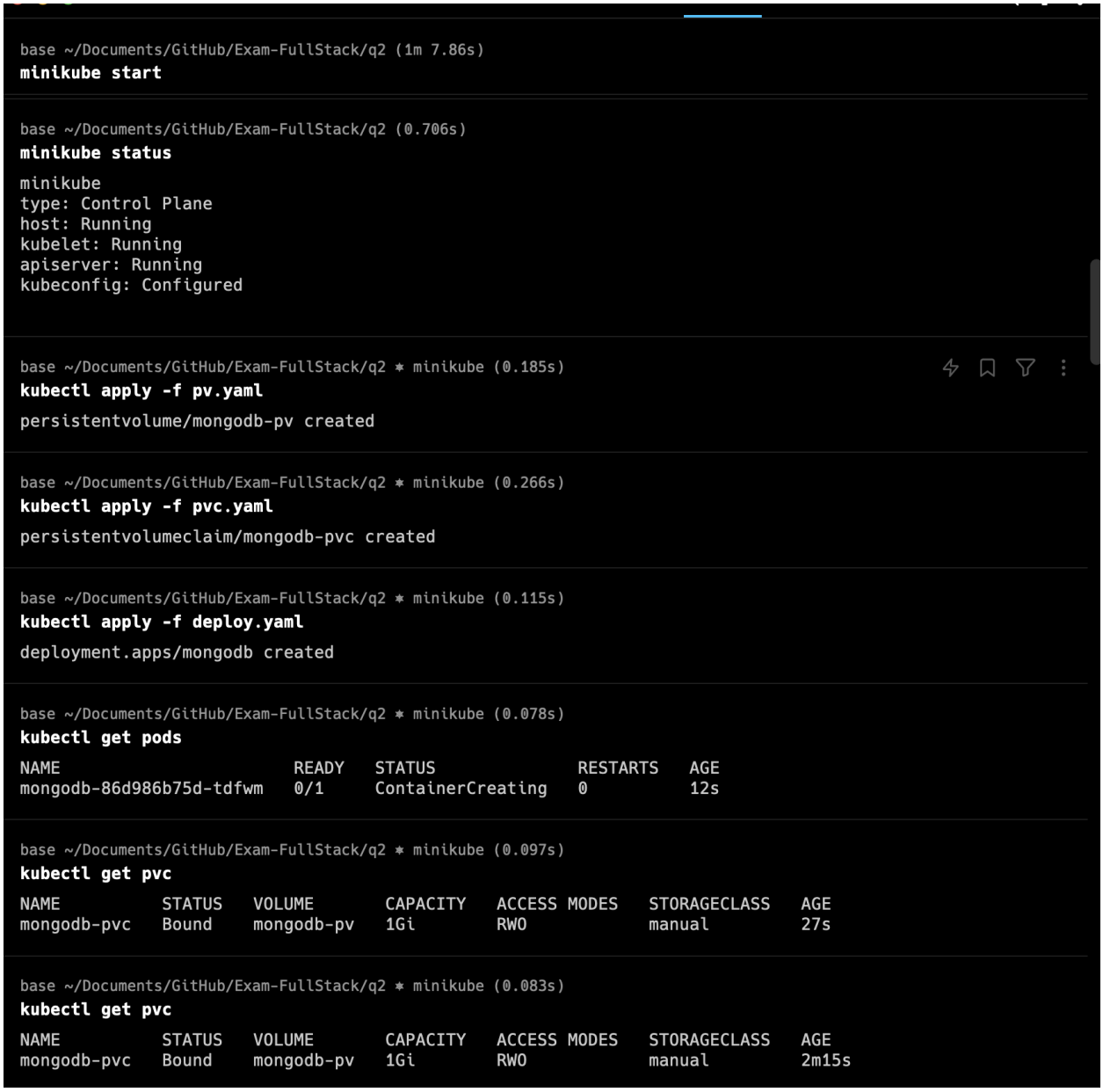
Steps to replicate our mongo db stateful workflow

1) After creating our yaml files, we then applied each of them



2) Afterwards, notice how our pvc status is set to bound. We can further clarify that our pod changed to a running state and our DB had mounted on the pod

```
base ~/Documents/GitHub/Exam-FullStack/q2 * minikube (0.167s)
kubectl exec mongodb-86d986b75d-tdfwm -- df -h /data/db

Filesystem      Size  Used Avail Use% Mounted on
overlay          59G  9.5G   46G  18% /data/db
```

```
base ~/Documents/GitHub/Exam-FullStack/q2 * minikube (0.079s)
kubectl get pods
NAME                       READY   STATUS    RESTARTS   AGE
mongodb-86d986b75d-tdfwm   1/1     Running   0          5m19s

base ~/Documents/GitHub/Exam-FullStack/q2 * minikube (0.108s)
kubectl describe pod mongodb-86d986b75d-tdfwm

Name:             mongodb-86d986b75d-tdfwm
Namespace:        default
Priority:         0
Service Account:  default
Node:             minikube/192.168.49.2
Start Time:       Fri, 22 Mar 2024 19:09:04 -0400
Labels:           app=mongodb
                  pod-template-hash=86d986b75d
Annotations:      <none>
Status:           Running
IP:               10.244.0.3
IPs:
  IP:           10.244.0.3
Controlled By:  ReplicaSet/mongodb-86d986b75d
Containers:
  mongodb:
    Container ID:   docker://c3b4cfc186a569aa95371f195a9777b12799914de5508aac4ea014f191cf2c2d
    Image:          mongo
    Image ID:       docker-pullable://mongo@sha256:0e145625e78b94224d16222ff2609c4621ff6e2c390300e4e6bf6
98305596792
    Port:           27017/TCP
    Host Port:      0/TCP
    State:          Running
      Started:      Fri, 22 Mar 2024 19:09:42 -0400
    Ready:          True
    Restart Count:  0
    Environment:    <none>
    Mounts:
      /data/db from mongodb-persistent-storage (rw)
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-sxb9w (ro)
Conditions:
  Type              Status
  Initialized       True
  Ready             True
  ContainersReady   True
  PodScheduled      True
Volumes:
```

```
Volumes:
  mongodb-persistent-storage:
    Type:       PersistentVolumeClaim (a reference to a PersistentVolumeClaim in the same namespace)
    ClaimName:  mongodb-pvc
    ReadOnly:   false
  kube-api-access-sxb9w:
    Type:                    Projected (a volume that contains injected data from multiple sources)
    TokenExpirationSeconds:  3607
    ConfigMapName:           kube-root-ca.crt
    ConfigMapOptional:       <nil>
    DownwardAPI:             true
QoS Class:                   BestEffort
Node-Selectors:              <none>
Tolerations:                 node.kubernetes.io/not-ready:NoExecute op=Exists for 300s
                             node.kubernetes.io/unreachable:NoExecute op=Exists for 300s
Events:
  Type    Reason     Age    From               Message
  ----    ------     ----   ----               -------
  Normal  Scheduled  5m31s  default-scheduler  Successfully assigned default/mongodb-86d986b75d-tdfwm to
 minikube
  Normal  Pulling    5m30s  kubelet            Pulling image "mongo"
  Normal  Pulled     4m54s  kubelet            Successfully pulled image "mongo" in 35.728s (35.728s inc
luding waiting)
  Normal  Created    4m53s  kubelet            Created container mongodb
  Normal  Started    4m53s  kubelet            Started container mongodb
```