

```
:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl create -f deploy.yaml
leployment.apps/mynginx-pes2ug19cs451 created
:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl get deployments
IAME READY UP-TO-DATE AVAILABLE AGE
Nynginx-pes2ug19cs451 0/3 3 0 31s
:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl rollout status deployment/myginx-pes2ug19cs451
error from server (NotFound): deployments.apps "myginx-pes2ug19cs451" not found
:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl rollout status deployment/mynginx-pes2ug19cs451
leployment "mynginx-pes2ug19cs451" successfully rolled out
lepToyment myngThx-pcs2ug2sss

:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl get all
READY STATUS RESTARTS
pod/mynginx-pes2ug19cs451-d4b878799-hpsbh 1/1 Running 0
pod/mynginx-pes2ug19cs451-d4b878799-wcv5m 1/1 Running 0
pod/mynginx-pes2ug19cs451-d4b878799-x5pkv 1/1 Running 0
ut vosers (an jannereden)
AAME
Dod/mynginx-pes2ug19cs451-d4b878799-wev5m
Dod/mynginx-pes2ug19cs451-d4b878799-x5pkv
NAME TYPE CLUSTER-IP
service/kubernetes ClusterIP 10.96.0.1
                                                                                 EXTERNAL-IP
                                                                                                          PORT(S)
                                                                                                                            AGE
175m
                                                                                    UP-TO-DATE
deployment.apps/mynginx-pes2ug19cs451 READY 3/3
                                                                                                          AVAILABLE
                                                                                        DESIRED CURRENT READY AGE 3 102s
JAME
eplicaset.apps/mynginx-pes2ug19cs451-d4b878799
::\Users\arjun\cloud_computing\Assignment-2\task1>kubectl delete pod/mynginx-pes2ug19cs451-d4b878799-hpsbh
ood "mynginx-pes2ug19cs451-d4b878799-hpsbh" deleted
C:\Users\arjun\cloud_computing\Assignment-2\taskl>kubectl get all
NAME READY STATUS
pod/mynginx-pes2ug19cs451-d4b878799-jd57b 0/1 ContainerCreating
pod/mynginx-pes2ug19cs451-d4b878799-wcv5m 1/1 Running
pod/mynginx-pes2ug19cs451-d4b878799-x5pkv 1/1 Running
                                                                                                                               RESTARTS
0
0
0
NAME TYPE CLUSTER-IP service/kubernetes ClusterIP 10.96.0.1
                                                                                 EXTERNAL-IP <none>
                                                                                                          PORT(S)
443/TCP
IAME
leployment.apps/mynginx-pes2ug19cs451
                                                                                    UP-TO-DATE
                                                                                                            AVAILABLE 2
NAME
-eplicaset.apps/mynginx-pes2ug19cs451-d4b878799
                                                                                                          CURRENT
                                                                                                                            READY
                                                                                        DESIRED
 :\Users\arjun\cloud_computing\Assignment-2\task1>
   Users\arjun\cloud_computing\Assignment-2\taskl>kubectl set image --record=true deployment/mynginx-pes2ug19cs451 mynginx-pes2ug19cs451=nginx:1.16.1 --record
      --record has been deprecated, --record will be removed in the future
--record has been deprecated, --record will be removed in the future
yment.apps/mynginx-pes2ug19cs451 image updated
```

```
C:\Users\arijun\cloud_computing\Assignment-2\task1>kubect1 set image --record=true deployment/mynginx-pes2ug19cs451 mynginx-pes2ug19cs451=nginx:1.16.1 --record=true flag --record has been deprecated, --record will be removed in the future flag --record has been deprecated, --record will be removed in the future deployment.apps/mynginx-pes2ug19cs451 image updated

C:\Users\arijun\cloud_computing\Assignment-2\task1>kubect1 rollout history deployment/mynginx-pes2ug19cs451

deployment.apps/mynginx-pes2ug19cs451

REVISION CHANGE-CAUSE
1 kubect1 set image deployment/mynginx-pes2ug19cs451 nginx-pes2ug19cs451=nginx:1.16.1 --record=true --record=true
2 kubect1 set image deployment/mynginx-pes2ug19cs451 mynginx-pes2ug19cs451=nginx:1.16.1 --record=true --record=true

C:\Users\arijun\cloud_computing\Assignment-2\task1\kubect1 rollout undo deployment/mynginx-pes2ug19cs451
```

```
kubectl set image deployment/mynginx-peszugi9cs451 mynginx-peszugi9cs451=nginx:1.16.1 --record=true --record=true

C:\Users\arjun\cloud_computing\Assignment-2\taskl>kubectl rollout undo deployment/mynginx-pes2ugi9cs451

deployment.apps/mynginx-pes2ugi9cs45i rolled back

C:\Users\arjun\cloud_computing\Assignment-2\taskl>kubectl rollout status deployment/mynginx-pes2ugi9cs451

deployment "mynginx-pes2ugi9cs451" successfully rolled out

C:\Users\arjun\cloud_computing\Assignment-2\taskl>kubectl rollout history deployment/mynginx-pes2ugi9cs451

deployment.apps/mynginx-pes2ugi9cs451

REVISION CHANGE-CAUSE

2 kubectl set image deployment/mynginx-pes2ugi9cs451 mynginx-pes2ugi9cs451=nginx:1.16.1 --record=true --record=true

3 kubectl set image deployment/mynginx-pes2ugi9cs451 nginx-pes2ugi9cs451=nginx:1.16.1 --record=true --record=true
```

```
C:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl create -f deploy_service.yaml
deployment.apps/mynginx-pes2ug19cs451 created
service/nginx-pes2ug19cs451 created
c:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl port-forward service/nginx-pes2ug19cs451 80:80
Forwarding from 127.0.0.1:80 -> 80
```

```
C:\Users\arjun\cloud_computing\Assignment-2\task1>
C:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl scale deploy mynginx-pes2ug19cs451 --replicas=10
deployment.apps/mynginx-pes2ug19cs451 scaled
C:\Users\arjun\cloud_computing\Assignment-2\task1>kubectl get all

NAME
pod/mynginx-pes2ug19cs451-8f98c7588-4rqhr 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-6rb8w 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-bh6xs 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-bh6xs 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-f7x2j 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-g78kv 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-gvt59 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-jvr9s 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-hhrs 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-lvf1 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-lvf1 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-lvf1 1/1 Running 0
pod/mynginx-pes2ug19cs451-8f98c7588-xbzsq 1/1 Running 0
                                                                                                                                                                                                                                AGE
4m5s
4m2s
12m
4m2s
4m2s
4m3s
4m3s
                                                                                           TYPE
ClusterIP
LoadBalancer
                                                                                                                                          CLUSTER-IP
10.96.0.1
10.108.241.30
                                                                                                                                                                                                                                     PORT(S)
443/TCP
80:31206/TCP
 NAME
                                                                                                                                                                                           EXTERNAL-IP
service/kubernetes
service/nginx-pes2ug19cs451
                                                                                                                                                                                           <none>
localhost
NAME
deployment.apps/mynginx-pes2ug19cs451
                                                                                                                                                                                           AVAILABLE
10
                                                                                                                          READY
10/10
                                                                                                                                                   UP-TO-DATE
                                                                                                                                                                                                                                AGE
12m
NAME
replicaset.apps/mynginx-pes2ug19cs451-8f98c7588
                                                                                                                                                         DESIRED
10
                                                                                                                                                                                        CURRENT
10
                                                                                                                                                                                                                       READY
10
                                                                                                                                                                                                                                               AGE
12m
 C:\Users\arjun\cloud_computing\Assignment-2\task1>
```

