```
The Container Masterclass\Assignment 7> helm create zookeeper-chart
 Creating zookeeper-chart
PS C:\Users\noelm\Downloads\18M Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7> cd zookeeper-chart
PS C:\Users\noelm\Downloads\18M Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> d zookeeper-chart^C
PS C:\Users\noelm\Downloads\18M Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> d zookeeper-chart\^C
PS C:\Users\noelm\Downloads\18M Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> 1s templates | \( \frac{\psi}{\psi} \) \( \frac{\psi}{\ps
Confirm

The item at C:\Users\noelm\Downloads\IBM Consulting\TECH#DEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart\templates\tests has children and the Recurse parameter was not specified. If you continue, all children will be removed with the item. Are you sure you want to continue?

[Y] Yes [A] Yes to All [N] No [L] No to All [S] Suspend [?] Help (default is "Y"): Y
PS C:\Users\noelm\Downloads\IBM Consulting\TECH#DEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> helm lint .
 ==> Linting .
[INFO] Chart.yaml: icon is recommended
 1 chart(s) linted, 0 chart(s) failed
 P5 C:\Users\noelm\Downloads\IBM Consulting\TECH4DEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> helm lint .
 1 chart(s) linted, 0 chart(s) failed
 PS C:\Users\noelm\Downloads\IBM Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> helm install my-zk . `
 >> --set replicaCount=5 `
>> --set image.tag=3.9.0 `
>> --set service.type=NodePort
 LAST DEPLOYED: Sun Jun 22 16:56:50 2025
 NAMESPACE: default
 STATUS: deployed
REVISION: 1
 TEST SUITE: None
PS C:\Users\noelm\Downloads\IBM Consulting\Techpoent \number \
 PS C:\Users\noelm\Downloads\IBM Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> kubectl get deployments
 my-zk-zookeeper-886957fd8-fmmrn 0/1
                                                                                      ContainerCreating
                                                                                                                                                      16s
 my-zk-zookeeper-886957fd8-mq7p6 0/1
my-zk-zookeeper-a88057163-mgmp 0/1 ContainerCreating 0 16s
PS C:\Users\noelm\Downloads\IBM Consulting\TECH4DEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> kubectl get svc my-zk-zookeeper
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
my-zk-zookeeper NodePort 10.109.180.151 <none> 2181:31497/TCP 20s
     6 C:\Users\noelm\Downloads\IBM Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> kubectl get svc my-zk-zookeep
>> -0 go-template="http://{{(index .spec.ports 0).nodePort}}'
http://31497
 PS C:\Users\noelm\Downloads\IBM Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> helm upgrade my-zk .`
 >> --set replicaCount=2
>> --set image.tag=3.10.0
Release "my-zk" has been upgraded. Happy Helming!
 NAME: my-zk
 LAST DEPLOYED: Sun Jun 22 16:59:12 2025
 NAMESPACE: default
 STATUS: deployed
REVISION: 2
TEST SUITE: No
 PS C:\Users\noelm\Downloads\IBM Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> kubectl get svc my-zk-zookeeper->> -- go-template="http://{{(index .spec.ports 0).nodePort}}"
 PS C:\Users\noelm\Downloads\IBM Consulting\TECHADEMY\Phase 2\7. Kubernetes and Docker - The Container Masterclass\Assignment 7\zookeeper-chart> helm upgrade my-zk .`
>> --set image.tag=3.10.0
Release "my-zk" has been upgraded. Happy Helming!
NAME: my-zk
LAST DEPLOYED: Sun Jun 22 16:59:12 2025
 NAMESPACE: default
 STATUS: deployed
     C:\Users\noelm>kubectl get deployments
                                                                                      READY
                                                                                                                        UP-TO-DATE
                                                                                                                                                                                     AVAILABLE
                                                                                                                                                                                                                                            AGE
                                                                                                                                                                                      2
                                                                                       2/2
     my-zk-zookeeper
                                                                                                                           1
                                                                                                                                                                                                                                            5m45s
     C:\Users\noelm>kubectl get pods -l app=my-zk-zookeeper
     NAME
                                                                                                                                                                   READY
                                                                                                                                                                                                        STATUS
                                                                                                                                                                                                                                                                                              RESTARTS
                                                                                                                                                                                                                                                                                                                                               AGE
     mv-zk-zookeeper-64695bbd4d-wl8nr
                                                                                                                                                                   0/1
                                                                                                                                                                                                        ImagePullBackOff
                                                                                                                                                                                                                                                                                                                                                3m27s
     my-zk-zookeeper-886957fd8-8fczz
                                                                                                                                                                   1/1
                                                                                                                                                                                                                                                                                                                                               5m50s
                                                                                                                                                                                                        Running
                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                              0
                                                                                                                                                                                                                                                                                                                                               5m50s
     my-zk-zookeeper-886957fd8-mq7p6
                                                                                                                                                                   1/1
                                                                                                                                                                                                        Running
     C:\Users\noelm>kubectl get svc my-zk-zookeeper
                                                                                       TYPE
                                                                                                                                            CLUSTER-IP
                                                                                                                                                                                                                          EXTERNAL-IP
                                                                                                                                                                                                                                                                                         PORT(S)
                                                                                                                                                                                                                                                                                                                                           AGE
                                                                                                                                             10.109.180.151
                                                                                                                                                                                                                                                                                         2181/TCP
                                                                                                                                                                                                                                                                                                                                           5m53s
     my-zk-zookeeper
                                                                                       ClusterIP
                                                                                                                                                                                                                          <none>
```

```
# values.yaml
replicaCount: 3

image:
repository: bitnami/zookeeper
tag: 3.8.0
pullPolicy: IfNotPresent

service:
type: ClusterIP
port: 2181

resources: {}
```

```
1
    #service.yaml
    apiVersion: v1
    kind: Service
     name: {{ .Release.Name }}-zookeeper
     spec:
      type: {{ .Values.service.type }}
      - port: {{ .Values.service.port }}
        targetPort: {{ .Values.service.port }}
10
11
        protocol: TCP
12
        name: client
13
      selector:
        app: {{ .Release.Name }}-zookeeper
14
15
```

