apiVersion: v1  
kind: Service  
metadata:  
 name: mysql  
spec:  
 ports:  
 - port: 3306  
 selector:  
 app: mysql  
 clusterIP: None  
---  
apiVersion: v1  
kind: PersistentVolumeClaim  
metadata:  
 name: mysql-pv-claim  
spec:  
 accessModes:  
 - ReadWriteOnce  
 resources:  
 requests:  
 storage: 20Gi  
---  
apiVersion: apps/v1 # for versions before 1.9.0 use apps/v1beta2  
kind: Deployment  
metadata:  
 name: mysql  
spec:  
 selector:  
 matchLabels:  
 app: mysql  
 strategy:  
 type: Recreate  
 template:  
 metadata:  
 labels:  
 app: mysql  
 spec:  
 containers:  
 - image: mysql:5.6  
 name: mysql  
 env:  
 # Use secret in real usage  
 - name: MYSQL\_ROOT\_PASSWORD  
 value: password  
 ports:  
 - containerPort: 3306  
 name: mysql  
 volumeMounts:  
 - name: mysql-persistent-storage  
 mountPath: /var/lib/mysql  
 volumes:  
 - name: mysql-persistent-storage  
 persistentVolumeClaim:  
 claimName: mysql-pv-claim