Dockerfile

```
1  FROM ubuntu
2  EXPOSE 6379
3  RUN apt update && apt install redis-server -y
4  WORKDIR /root
5  ENTRYPOINT redis-server --protected-mode no
```

deployment.yml

```
 1   apiVersion: apps/v1
 2   kind: Deployment
 3   metadata:
 4     name: redis-deploy
 5   spec:
 6     replicas: 1
 7     selector:
 8       matchLabels:
 9         app: redis
10     template:
11       metadata:
12         labels:
13           app: redis
14       spec:
15         containers:
16         - name: test-redis
17           image: thoratshubham/redis
18           ports:
19             - containerPort: 6379
20
```

service.yml

```
 1  apiVersion: v1
 2  kind: Service
 3  metadata:
 4    name: access-redis
 5  spec:
 6    type: NodePort
 7    selector:
 8      app: redis
 9    ports:
10      - protocol: TCP
11        port: 6379
12        targetPort: 6379
13        nodePort: 30080
14
```