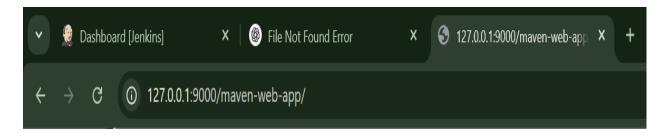
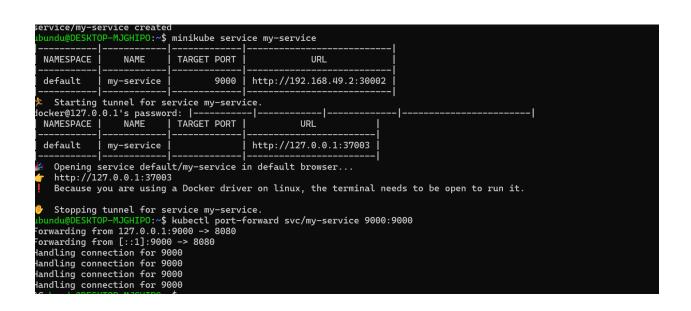
JAVA APPLICATION MINIKUBE DEPLOYMENT



Hello World!



DEPLOYMENT.YML apiVersion: apps/v1 kind: Deployment metadata: name: my-deploy labels: name: my-deploy spec: replicas: 1 selector: matchLabels: apptype: web-backend strategy: type: RollingUpdate template: metadata: labels: apptype: web-backend spec: containers: - name: my-app image: nithya216/image1:latest

ports:

- containerPort: 9000

apiVersion: v1

kind: Service

metadata:

name: my-service

labels:

app: my-service

spec:

type: NodePort

ports:

- port: 9000

targetPort: 8080

nodePort: 30002

selector:

apptype: web-backend

```
    □N ubundu@DESKTOP-MJGHIPO ×

                             + | ~
^Cubundu@DESKTOP-MJGHIPO:~$ cat deploy.yml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: my-deploy
  labels:
    name: my-deploy
spec:
  replicas: 1
  selector:
    matchLabels:
      apptype: web-backend
  strategy:
    type: RollingUpdate
  template:
    metadata:
      labels:
        apptype: web-backend
    spec:
      containers:
      - name: my-app
        image: nithya216/image1:latest
        ports:
        - containerPort: 9000
apiVersion: v1
kind: Service
metadata:
  name: my-service
  labels:
    app: my-service
```

```
pipeline {
  agent any
  stages {
    stage('SCM') {
      steps {
    git branch: 'master', url: 'https://github.com/nithyasandhu/devops.git'
      }
    }
    stage('build') {
      steps {
        sh "mvn clean"
        sh "mvn install"
      }
    }
    stage('build to images') {
      steps {
        script{
          sh 'docker build -t nithya216/image1 .'
        }
      }
    }
    stage('push to hub') {
      steps {
        script{
```

```
withDockerRegistry(credentialsId: 'Docker_cred', toolName: 'docker', url:
'https://index.docker.io/v1/') {
             sh 'docker push nithya216/image1'
          }
        }
      }
    }
    stage('Deploy App'){
      steps{
        withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentialsId: 'minikube_credential', namespace: ", restrictKubeConfigAccess: false, serverUrl:
'https://192.168.39.226:8443') {
          sh 'kubectl apply -f deployment.yml --validate=false'
        }
      }
    }
 }
}
```

