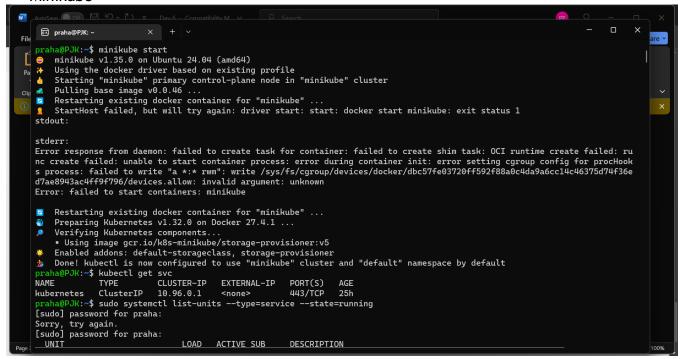
deployment.yml

```
apiVersion: apps/v1
kind: Deployment
metadata:
 name: my-deploy
 namespace: my-bank
 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-web
        image: prahalath99/my-image:latest
        - containerPort: 9001
apiVersion: v1
kind: Service
metadata:
 name: my-service
 namespace: my-bank
 labels:
   app: my-service
spec:
 type: NodePort
 ports:
   - port: 9001
   targetPort: 8080
```

```
nodePort: 30007
selector:
apptype: web-backend
```

Minikube

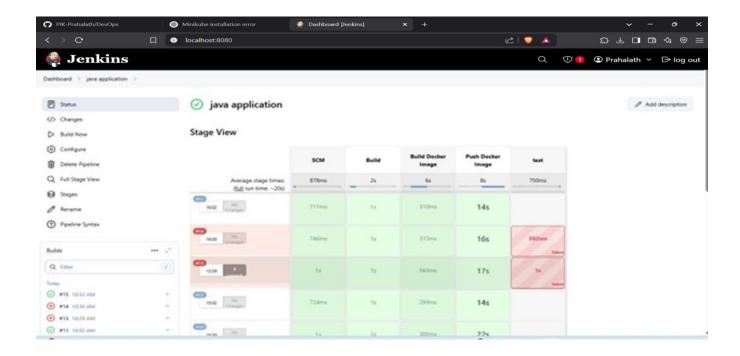


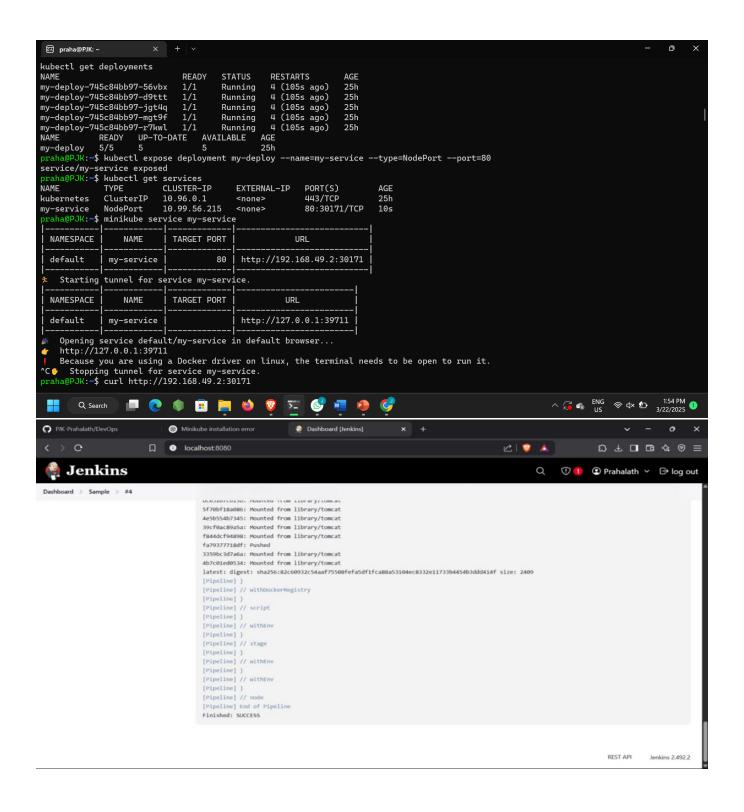


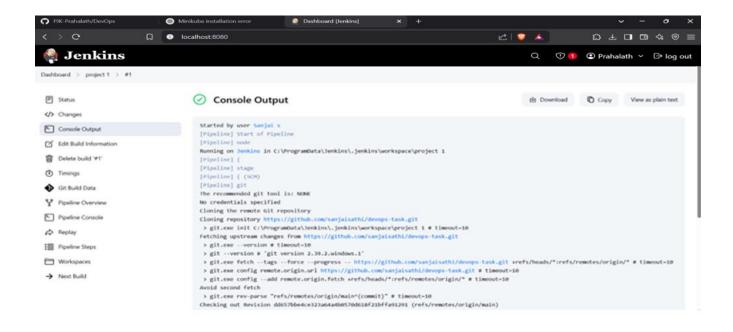
```
Pipeline script - jenkins
JAVA Application pipeline
{
      agent any
      stages { stag
        ('scm') {
          steps {
        git branch: "
          }
        }
        stage('builb-clean') {
          steps {
            sh "mvn clean"
   }
   }
        stage('build-validate') {
          steps {
            sh "mvn validate"
   }
   }
        stage('build-com') {
          steps {
            sh "mvn compile"
   }
   }
```

```
stage('build-test') {
      steps {
        sh "mvn test"
}
}
    stage('build-install') {
      steps {
        sh "mvn package"
}
}
stage('build to images') {
      steps {
        script{
          sh 'docker build -t .'
        }
  }
}
stage('push to hub') {
      steps {
        script{
         withDockerRegistry(credentialsId: 'Docker_cred', url: 'https://index.docker.io/v1/') {
          sh 'docker push '
        }
      }
      }
```

```
}
    stage('Deploy App') {
      steps {
        withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentialsId: 'mukubeconfig_011', namespace: '', restrictKubeConfigAccess: false, serverUrl:
'https://192.168.49.2:8443') {
        sh 'kubectl apply -f deployment.yml --validate=false'
      }
    }
    }
  stage('Test') {
   steps {
     withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentialsId: 'mukubeconfig_011', namespace: '', restrictKubeConfigAccess: false, serverUrl:
'https://192.168.49.2:8443') {
    sh 'minikube service my-service --url | xargs curl'
 }
}
}
}
```









Hello, Prahalath!