## FINAL PROJECT DevOps-Day06:

## JAVA APPLICATION DEPLOYEMENT IN MINIKUBE

```
PIPELINE:
pipeline
 { agent
 any
 stages {
  stage('SCM
   ') { steps
    git branch: 'main', url:
    'https://github.com/nikilprasannaks/guvidevop
    sday1.git'
   }
  stage('Build-
   clean') {
```

```
steps{
  sh 'mvn clean'
}

stage('Build-validate') {
  ste
  ps{
     sh 'mvn validate'
}
```

```
stage('Build-
compile') { steps{
         sh 'mvn compile'
    stage('Build-test') {
   ste
   ps{
         sh 'mvn test'
   }
  }
    stage('Build-
   package') { steps{
         sh 'mvn package'
   }
  stage('build to
   images') {
   steps {
   script{
```

```
sh "docker build -t
    nikilprasannaks/webapplication ."
}
}
stage('docker
    push hub') {
    steps {
        script{
            withDockerRegistry(credentialsId: 'docker-hub-cred', url: 'https://index.docker.io/v1/') {
            sh 'docker push mugeshs04/webapplication'
```

```
}
  }
  stage('deploy
   webapp') {
   steps{
    withKubeConfig(caCertificate: ", clusterName:
    'minikube', contextName:
'minikube', credentialsId: 'minikube-cred',
namespace: ", restrictKubeConfigAccess: false,
serverUrl: 'https://192.168.39.226:8443') {
     sh 'kubectl apply -f deployment.yml --
     validate=false'
}
```

```
"C Stopping tunnel for service my-service.

mugesh@DESKTOP-ELKSV5N:~$ curl http://192.168.49.2:30002

<!doctype html><html lang="en"><head><title>HTTP Status 404 - Not Found</title><style type="text/css">body {font-family:
Tahoma, Arial, sans-serif;} h1, h2, h3, b {color:white; background-color:#525D76;} h1 {font-size:22px;} h2 {font-size:16px;}
h3 {font-size:14px;} p {font-size:12px;} a {color:black;} .line {height:1px; background-color:#525D76; border:none;}</style></head><br/>
\le \font-size:14px;} b \font-size:12px;} a \{color:black;} .line \font-size:1px; background-color:#525D76; border:none;}</style></head><br/>
\le \font-size:14px;} p \{font-size:12px;} a \{color:black;} .line \font-size:1px; background-color:#525D76; border:none;}</style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style></style>10101010101010101010101010101010
   html>
  body>
   h2>Hello World!</h2>
  /body>
/html>
       gesh@DESKTOP-ELKSV5N:~$ minikube service my-service
      NAMESPACE
                                                                  NAME
                                                                                                              TARGET PORT
                                                      my-service
                                                                                                                                                                          http://192.168.49.2:30002
      default
                                                                                                                                               9000
             Starting tunnel for service my-service.
      NAMESDACE
                                                                     NAME
                                                                                                                 TARGET PORT
                                                                                                                                                                                                                   HRI
      default
                                                      my-service
                                                                                                                                                                            http://127.0.0.1:39033
             Opening service default/my-service in default browser...
http://127.0.0.1:39033
              Because you are using a Docker driver on linux, the terminal needs to be open to run it.
```

```
After this operation, 6861 kb of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 openssh-sftp-server amd64 1:9.6p1-3ubuntul3.8 [37.3 kB]

Get:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 liburapp amd64 7.6.q-33 [47.9 kB]

Get:3 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 liburapp amd64 7.6.q-33 [47.9 kB]

Get:3 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 liburapp-amd64 1:9.6p1-3ubuntul3.8 [589 kB]

Get:4 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 liburape-stern all 6.4 #22204013-1ubuntu2 [275 kB]

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Get:5 http://archive.ubuntu2 [275 kB]

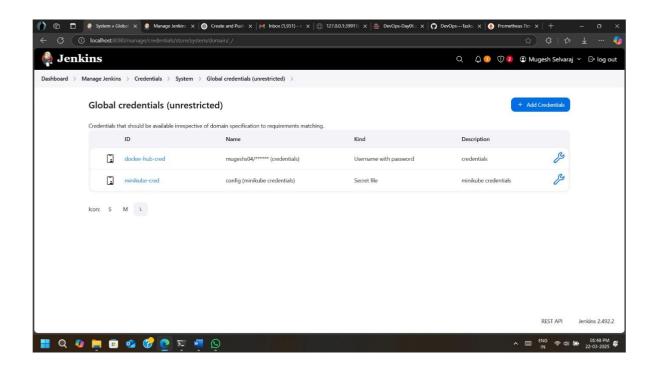
Get:5 http://archive.ubuntu2 [275 kB]

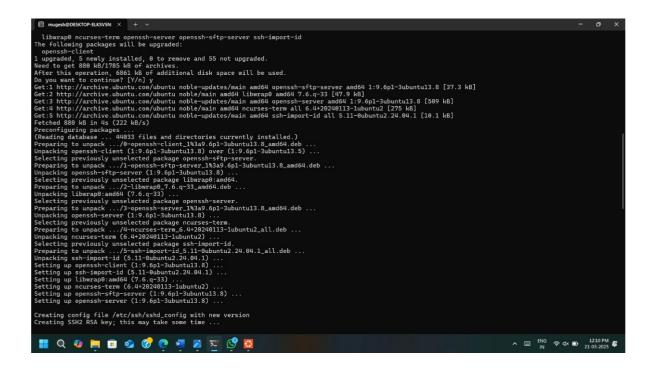
Get:5 http://archive.ubuntu2 [275 kB]

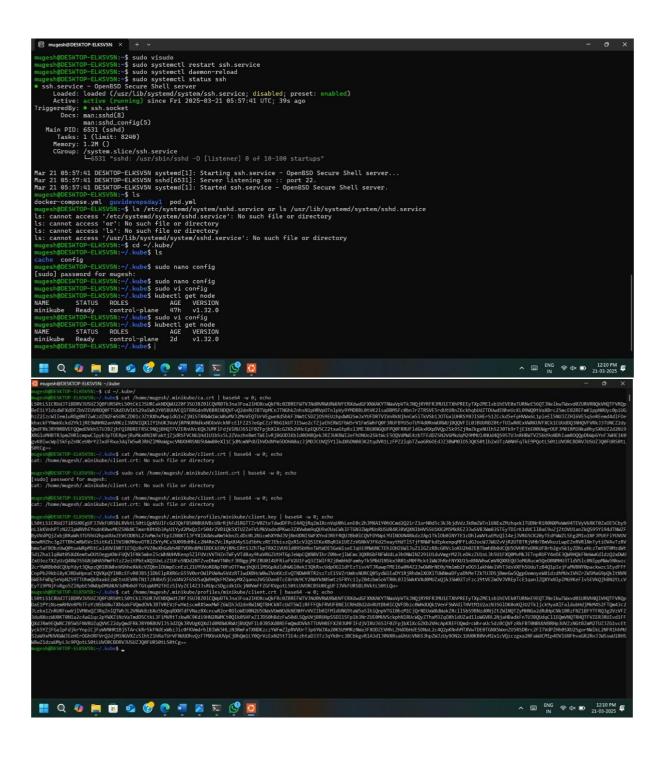
Get:5 http://archive.ubuntu2 [275 kB]

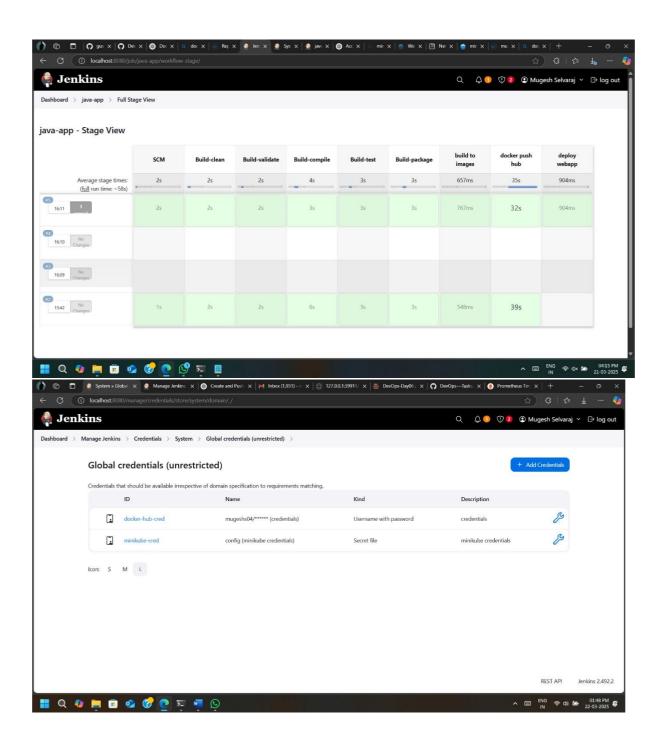
Get:6 http://archive.ubuntu2 [275 kB]

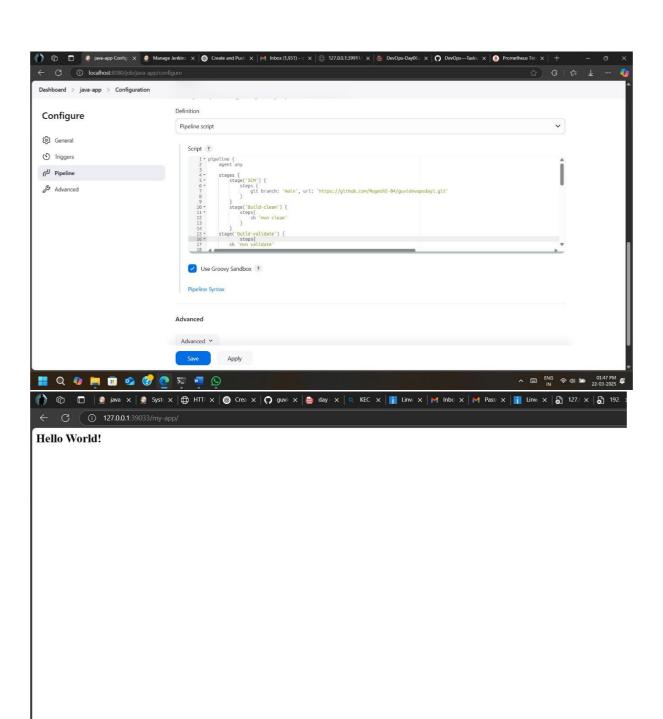
Get:6
```











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