FINAL PROJECT

DevOps-Day06:

JAVA APPLICATION DEPLOYEMENT IN MINIKUBE

```
PIPELINE:
pipeline {
  agent any
  stages {
    stage('SCM') {
     steps {
       git branch: 'main', url: 'https://github.com/MugeshS-04/guvidevopsday1.git'
     }
   }
    stage('Build-clean') {
     steps{
       sh 'mvn clean'
     }
   }
       stage('Build-validate') {
     steps{
              sh 'mvn validate'
     }
   }
```

```
stage('Build-compile') {
     steps{
              sh 'mvn compile'
     }
   }
       stage('Build-test') {
     steps{
              sh 'mvn test'
     }
   }
       stage('Build-package') {
     steps{
              sh 'mvn package'
     }
   }
   stage('build to images') {
     steps {
     script{
       sh "docker build -t mugeshs04/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'
                }
            }
   }
}
 Stopping tunnel for service my-service.

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

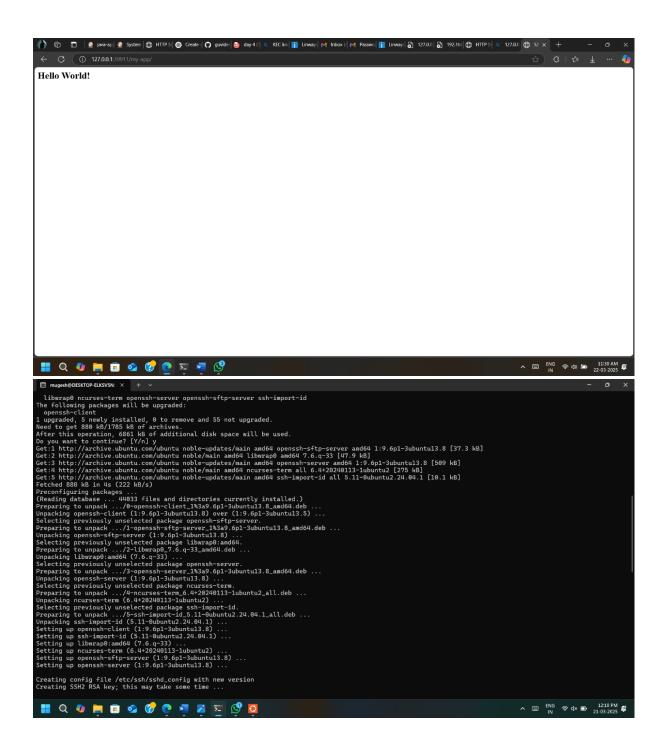
<!doctype html><html lang="en"><head><title>HTTP Status 404 - Not Found</title><style type="text/css">body {font-family:

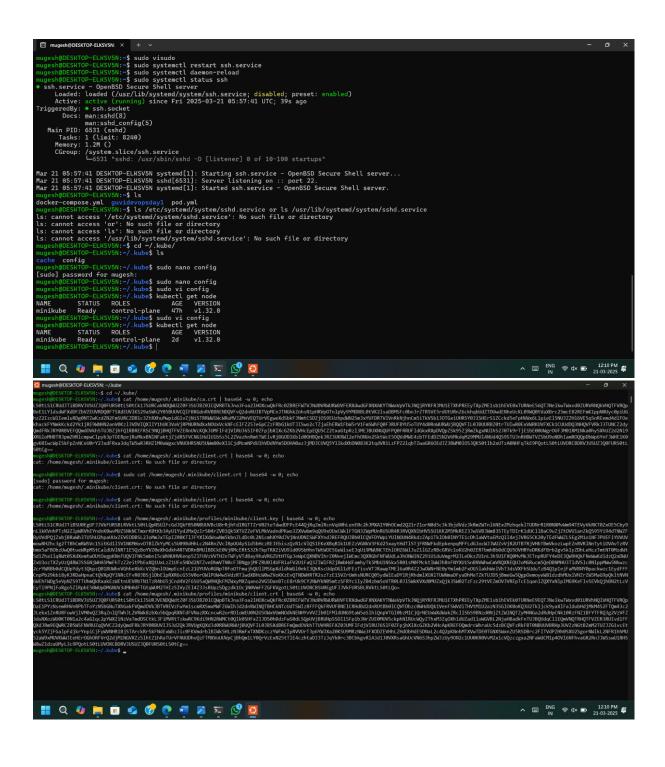
[ahoma,Arial,sans-serif;} h1, h2, h3, b {color:white;background-color:#525D76;} h1 {font-size:22px;} h2 {font-size:16px;}

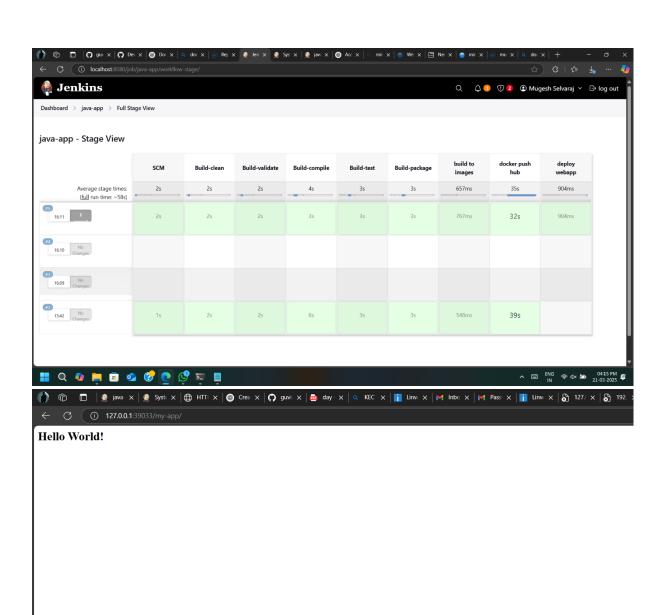
h3 {font-size:14px;} p {font-size:12px;} a {color:black;} .line {height:1px;background-color:#525D76;border:none;}</style></head><body><h1>HTTP Status 404 - Not Found</h1><hr/>
| h3 {bother in the server did not find a current representation for the target resource or is not willing to disclose that

| one exists.<hr class="line" /><h3>Apache Tomcat/9.0.102</h3></body></html>mugesh@DESKTOP-ELKSV5N:~$ curl http://192

| chtml>
 body>
h2>Hello World!</h2>
 /body>
/html>
   gesh@DESKTOP-ELKSV5N:~$ minikube service my-service
   NAMESPACE
                                            TARGET PORT
                            NAME
                                                                                     URL
                                                                   http://192.168.49.2:30002
                       my-service
                     tunnel for service my-service.
     Starting
   NAMESPACE
                                            TARGET PORT
   default
                                                                   http://127.0.0.1:39033
                      my-service
      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.
```







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