Devops Final Project (DAY-6)

JAVA APPLICATION DEPLOYMENT IN MINIKUBE

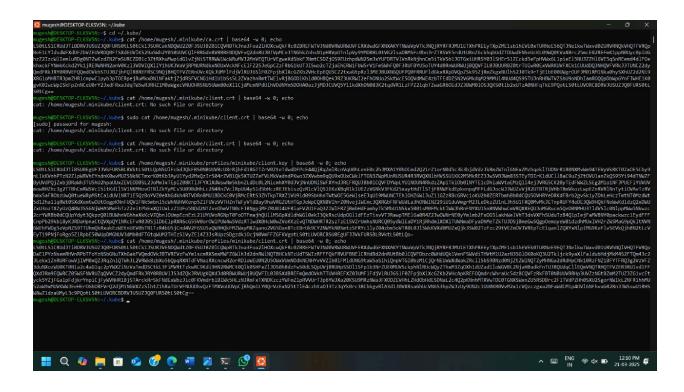
CODE:

```
Kubectl pipeline code:
pipeline {
agent any
stages {
stage('SCM') {
steps {
git branch: 'main', url:
https://github.com/PraneshC2005/DevOps_simple-web-app.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 praneshc/webapplication."
}
}
}
stage('docker push hub') {
steps {
script{
withDockerRegistry(credentialsId: 'cred-2', url:
https://index.docker.io/v1/') {
sh 'docker push praneshc/webapplication'
}
}
}
stage('Deploy App') {
steps {
withKubeConfig(caCertificate: '', clusterName: 'minikube',
contextName: 'minikube', credentialsId: 'kube-cred', namespace: '',
restrictKubeConfigAccess: false, serverUrl:
https://192.168.39.226:8443') {
sh 'kubectl apply -f Deployment.yml --validate=false'
```

```
}
}
}
```

OUTPUT:



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

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

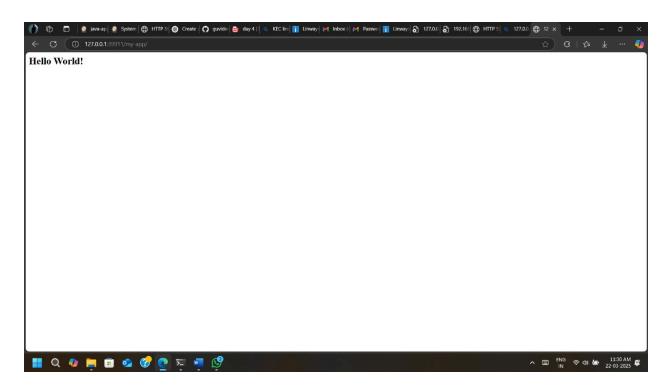
*!doctype html><html lang="en"><head><title>HTTP Status 404 - Not Found</title><style type="text/css">body {font-family:
Tahoma, Arial, sans-serif;} h1, h2, h3, b {color:white; background-color:#525D76;} h1 {font-size:2px;} h2 {font-size:16px;}
} h3 {font-size:14px;} p {font-size:12px;} a {color:black;} .line {height:1px; background-color:#525D76; border:none;}</style></head><body><h1>HTTP Status 404 - Not Found</h1><hr class="line" />>*b> Type</b> Status Report
*p>*b> Description
*p>*color:black;} .dine {height:1px; background-color:#525D76; border:none;}
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  <html>
 </body>
</html>
      ugesh@DESKTOP-ELKSV5N:~$ minikube service my-service
       NAMESPACE
                                                                                                       TARGET PORT
       default
                                                                                                                                                           http://192.168.49.2:30002
                                                     my-service
                                                                                                                                 9000
            Starting tunnel for service my-service.
        NAMESPACE
                                                                                                       TARGET PORT
                                                                                                                                                                                                URL
        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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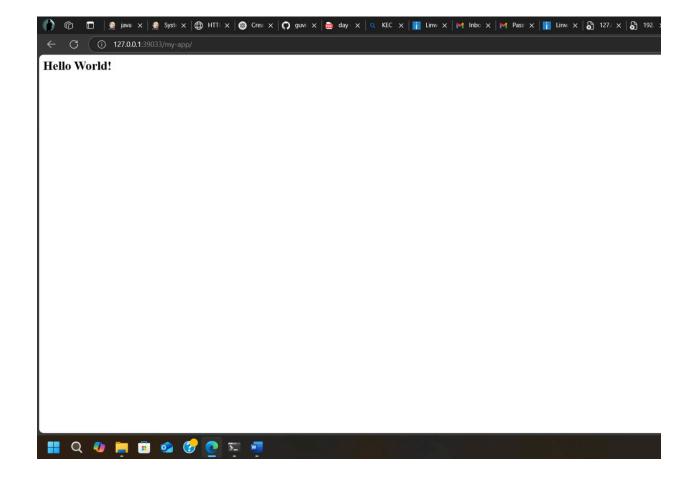


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