DevOps-Day06:

```
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') {
```
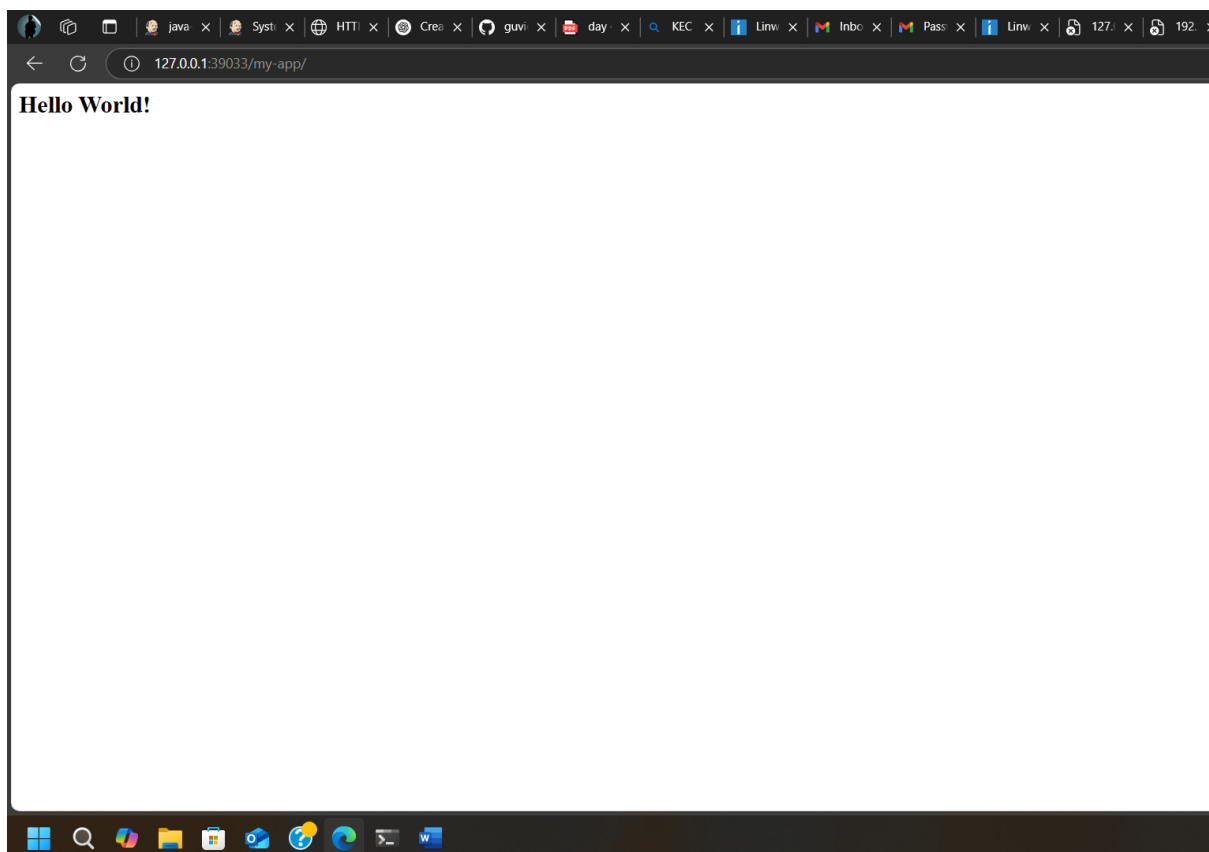
```
steps{

    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'

    }

}


}
}
}
```

```
^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;}</st
yle></head><body><h1>HTTP Status 404 – Not Found</h1><hr class="line" /><p><b>Type</b> Status Report</p><p><b>Descriptio
n</b> The origin server did not find a current representation for the target resource or is not willing to disclose that
 one exists.</p><hr class="line" /><h3>Apache Tomcat/9.0.102</h3></body></html>mugesh@DESKTOP-ELKSV5N:~$ curl http://192
.168.49.2:30002/my-app/
<html>
<body>
<h2>Hello World!</h2>
</body>
</html>
mugesh@DESKTOP-ELKSV5N:~$ minikube service my-service
|-----------|------------|--------------|---------------------------|
| NAMESPACE |    NAME    | TARGET PORT  |            URL            |
|-----------|------------|--------------|---------------------------|
| default   | my-service |         9000 | http://192.168.49.2:30002 |
|-----------|------------|--------------|---------------------------|
🏃  Starting tunnel for service my-service.
|-----------|------------|--------------|------------------------|
| NAMESPACE |    NAME    | TARGET PORT  |           URL          |
|-----------|------------|--------------|------------------------|
| 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.
```