FINAL PROJECT
DevOps-Day06:
Java Application in MINIKUBE

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Computer science

```
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'

      }   }
```

```groovy
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'

            }

        }


    }
}
}
```
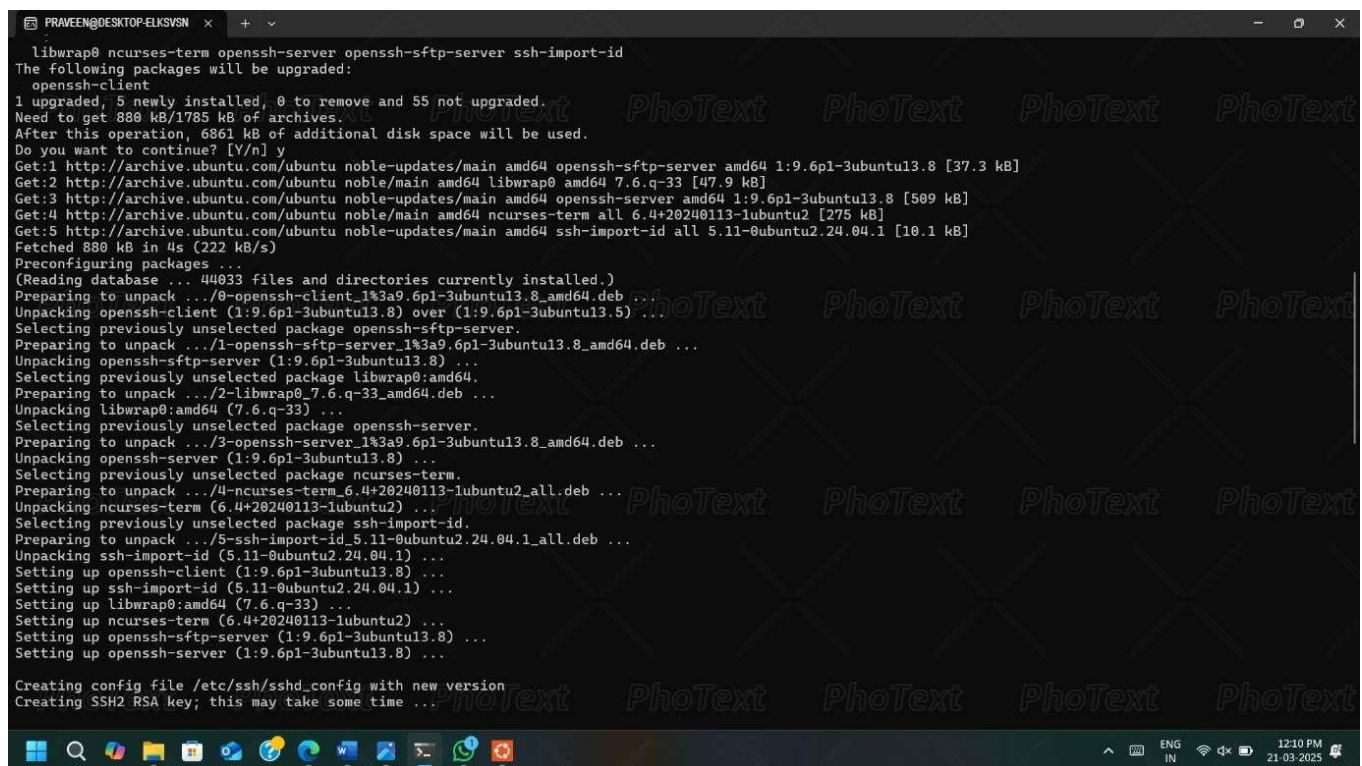
```
^C 🐢  Stopping tunnel for service my-service.

<!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>
praveen@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.
```

Hello World!