## FINAL PROJECT DevOps-Day06:

## JAVA APPLICATION DEPLOYEMENT IN MINIKUBE

## PAGALAVAN KS | | 22CAR140

```
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'
     }
    }
```

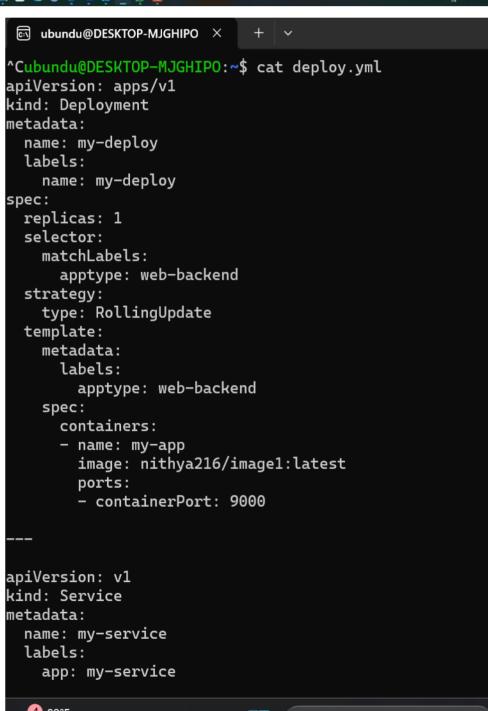
```
stage('Build-compile') {
     steps{
              sh 'mvn compile'
     }
   }
       stage('Build-test') {
     steps{
              sh 'mvn test'
     }
   }
       stage('Build-package') {
     steps{
              sh 'mvn package'
     }
    }
   stage('build to images') {
     steps {
    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

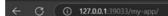
```
}
}

}
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'
    }
}
}
```

```
ervice/my-service created
bundu@DESKTOP-MJGHIPO:~$ minikube service my-service
                                            TARGET PORT
                                                                    http://192.168.49.2:30002
  default
                      my-service
                                                        9000
 Starting tunnel for service my-service
ocker@127.0.0.1's password: |---------|-
NAMESPACE | NAME | TARGET PORT |
                                                                                   URL
  default
                                                                    http://127.0.0.1:37003
                      my-service
     Opening service default/my-service in default browser...
http://127.0.0.1:37003
     Because you are using a Docker driver on linux, the terminal needs to be open to run it.
Stopping tunnel for service my-service.

| bundu@DESKTOP-MJGHIPO:-$ kubectl port-forward svc/my-service 9000:9000
| forwarding from 127.0.0.1:9000 -> 8080
| forwarding from [::1]:9000 -> 8080
| landling connection for 90000
| consection for 90000
Handling connection for 9000
Handling connection for 9000
 andling connection for 9000
```





## Hello World!

