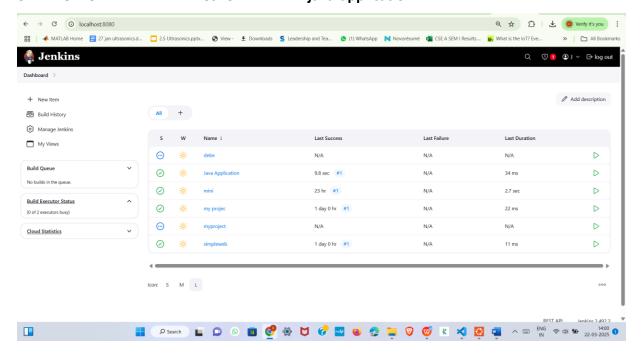
FINAL PROJECT

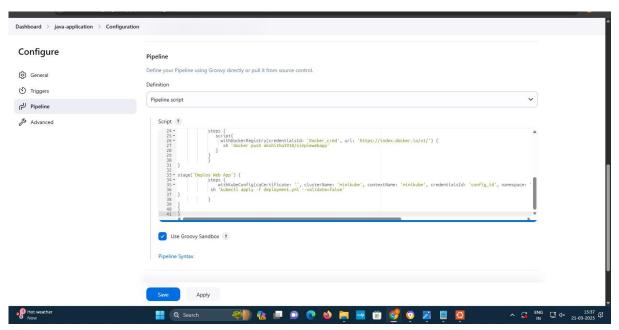
DAY-06

JAVA-APPLICATION DEPLOYMENT IN MINIKUBE

CREATION OF A PIPELINE PROJECT NAMED "java-application"



PIPELINE SCRIPT



PIPELINE SCRIPT CODE

pipeline {
 agent any

```
stages {
stage('scm') {
steps {
    git branch: 'main', url: https://github.com/DEBEHAA/simple-web-app.git'
      }
    }
    stage('build') {
steps {
               sh "mvn
clean"
               sh "mvn
install"
}
}
stage('build to images') {
      steps {
script{
          sh 'docker build -t DEBEHAA/simplewebapp .'
        }
  }
stage('push to hub') {
      steps {
script{
         withDockerRegistry(credentialsId: 'Docker_cred', url: 'https://index.docker.io/v1/') {
sh 'docker push DEBEHAA/simplewebapp'
        }
      }
      }
}
stage('Deploy Web App') {
      steps {
        withKubeConfig(caCertificate: ", clusterName: 'minikube', contextName: 'minikube',
credentialsId: 'config_id', namespace: '', restrictKubeConfigAccess: false, serverUrl:
'https://192.168.39.226:8443') {
       sh 'kubectl apply -f deployment.yml --validate=false'
}
      }
}
}
}
```

DEPLOYMENT FILE deployment.yml

apiVersion: apps/v1
kind: Deployment
metadata: name:
webnginx2
labels:
name: webnginx2
spec: replicas: 1
selector:
matchLabels:
apptype: web-backend
strategy:
type: RollingUpdate
template:
metadata:
labels:
apptype: web-backend
spec:
containers:
- name: webnginx2 image: DEBEHAA/simplewebapp:latest
ports:
- containerPort: 7070
aniVarsian, v1 kind
apiVersion: v1 kind: Service
metadata:
name: my-service
labels:

app: my-service

type: backend-app

spec:

type: NodePort

ports:

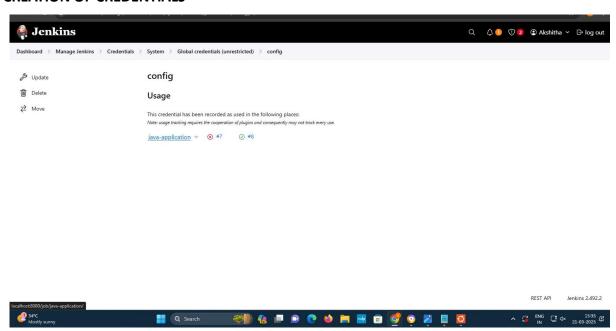
- targetPort: 8080

port: 7070 nodePort:

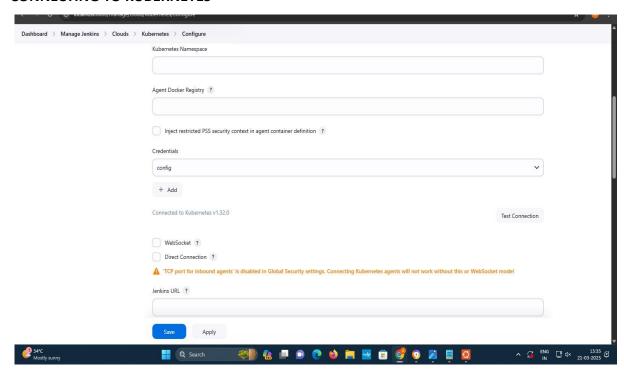
30002 selector:

apptype: web-backend deployment.yml

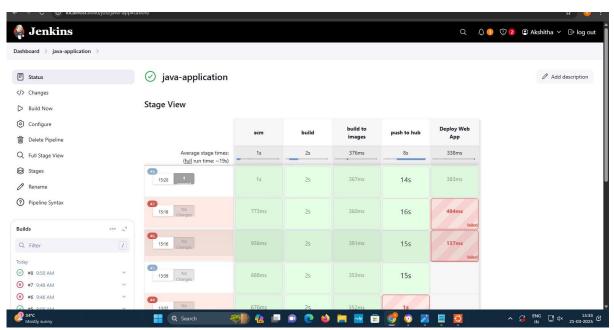
CREATION OF CREDENTIALS

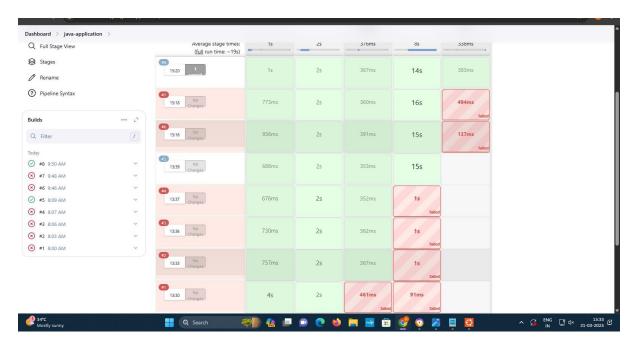


CONNECTING TO KUBERNETES

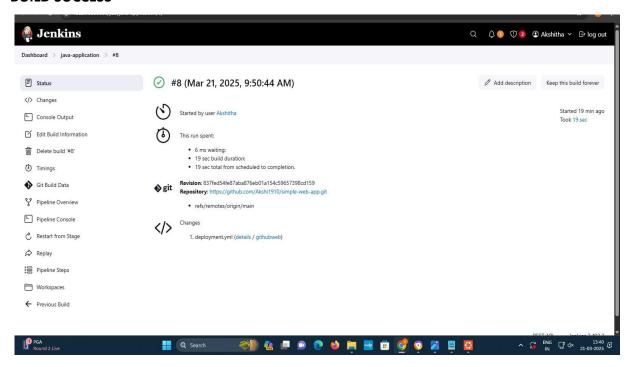


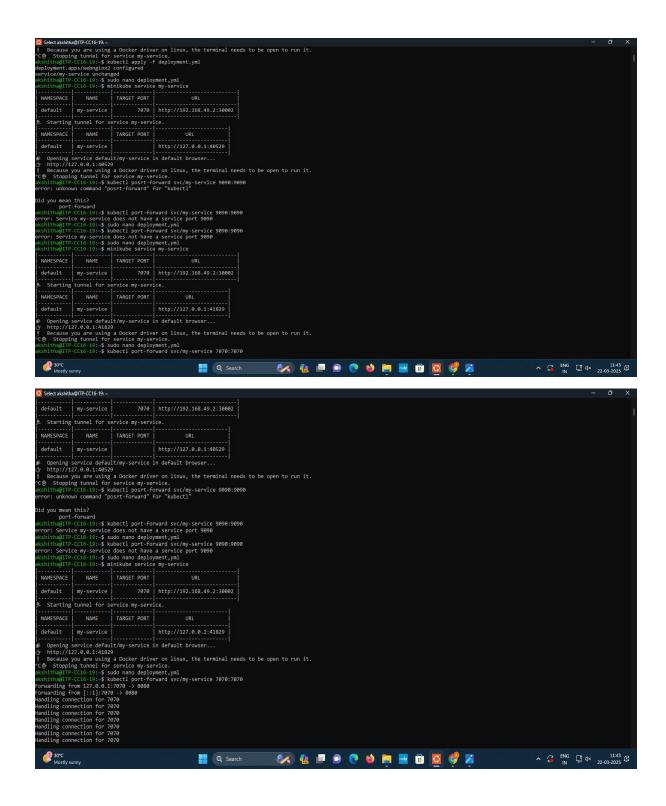
STAGE VIEW OF BUILD

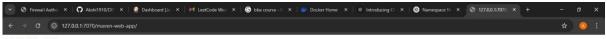




BUILD SUCCESS







Hello World!

