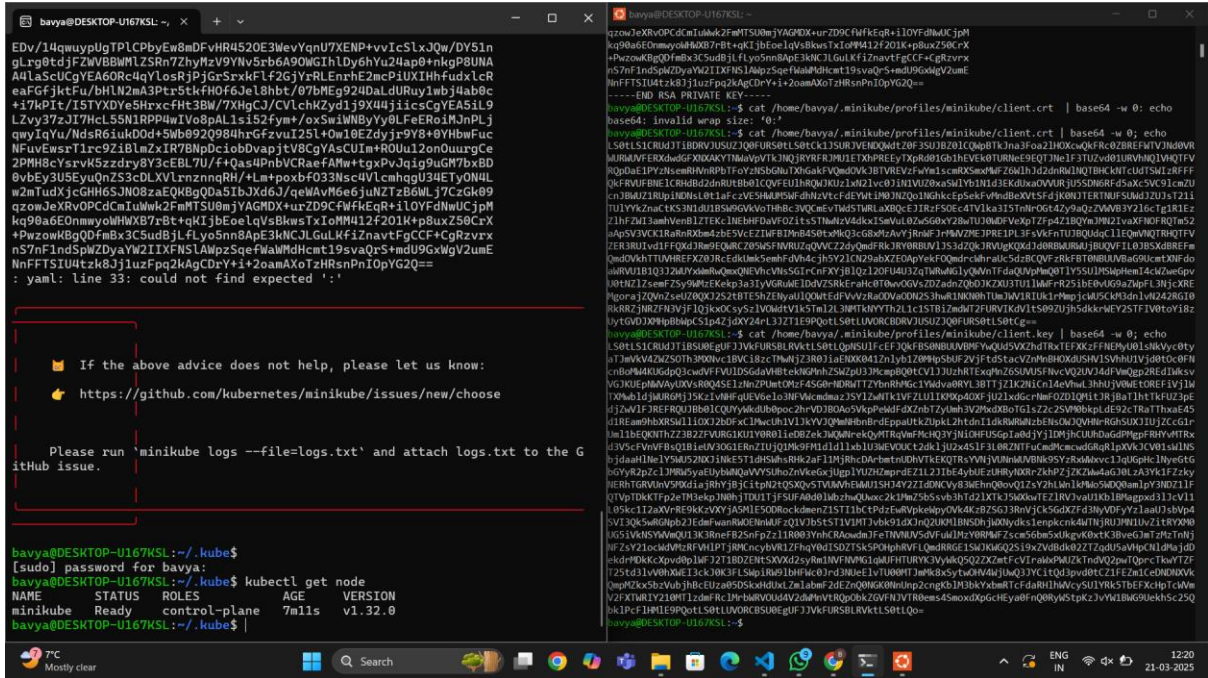
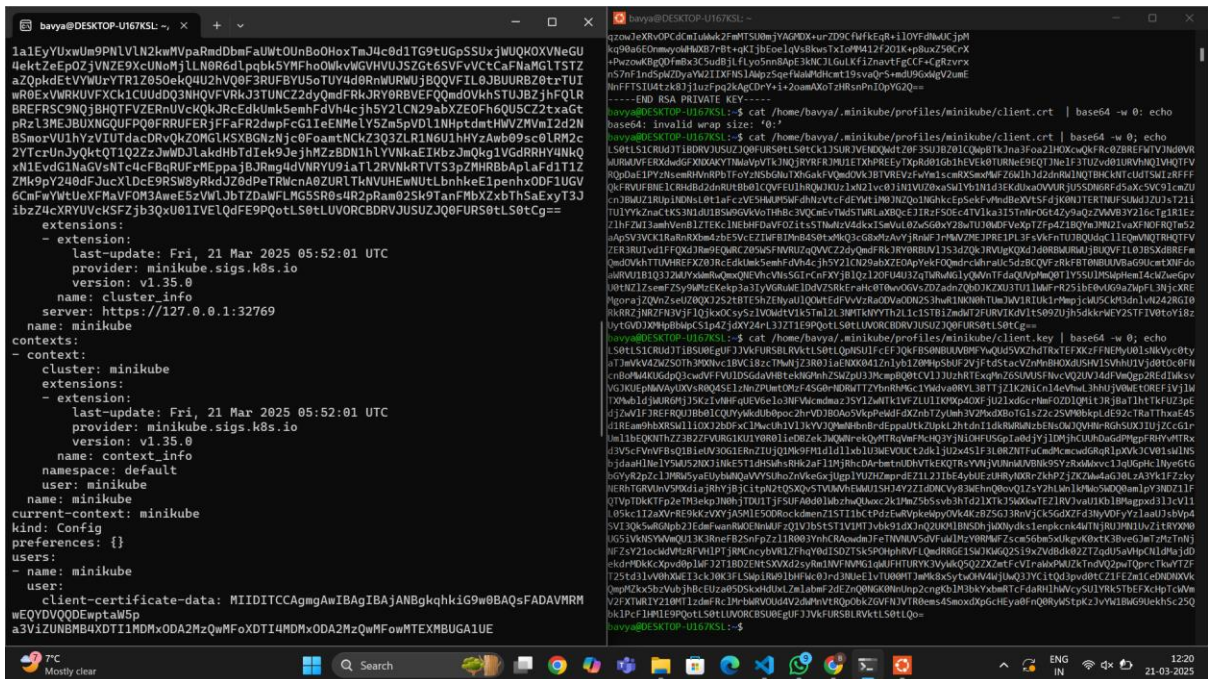


DEVOPS

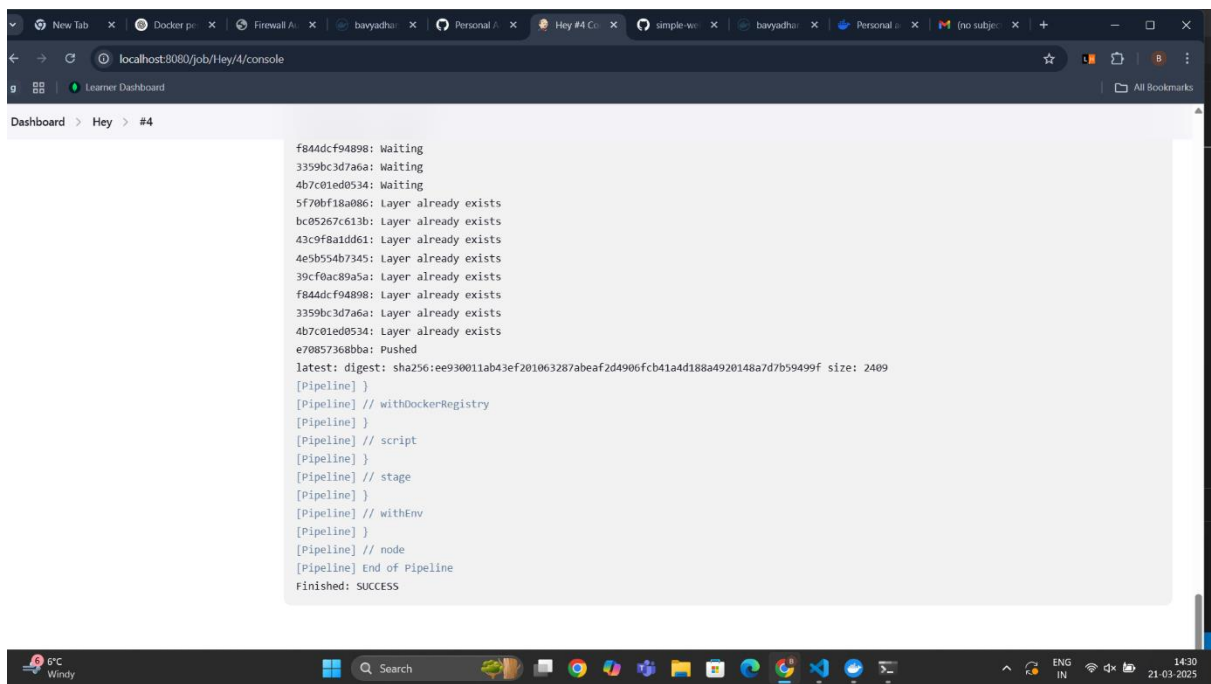
DAY – 5



Deployment of Yml



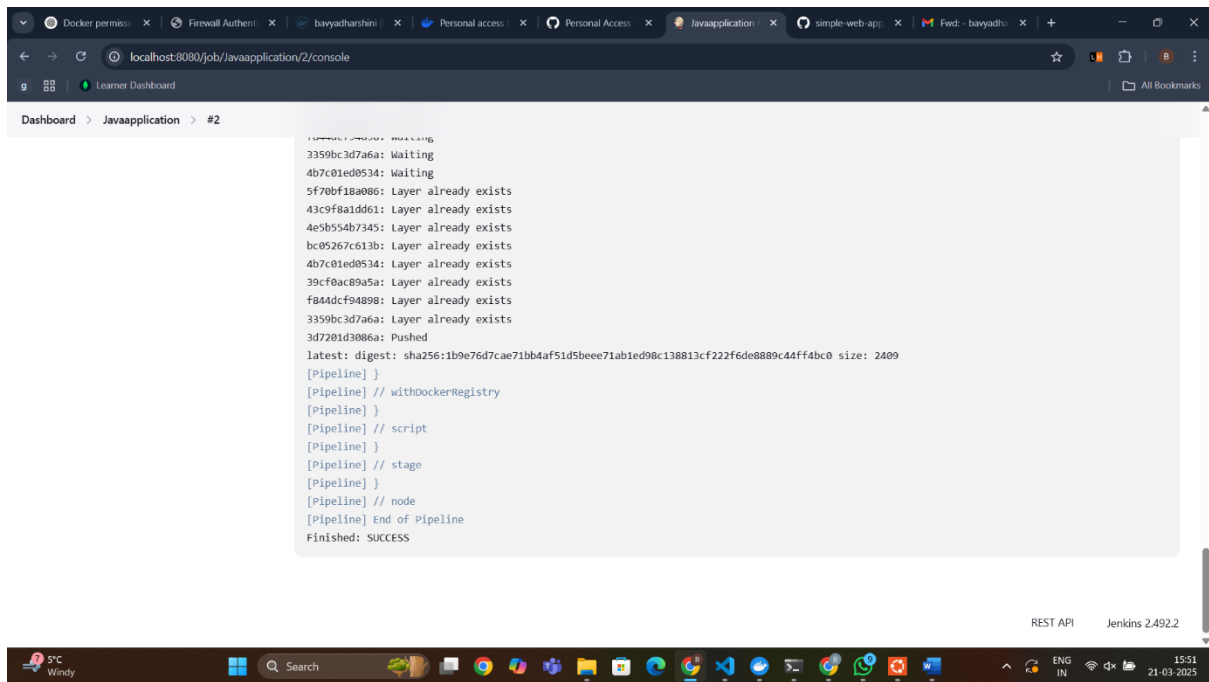
```
sudo vi config
```



JavaApplication Success Output

		SCM Checkout	Build	Build Docker Image	Push to Docker Hub
Average stage times:		2s	2s	389ms	11s
#6	15:48 No Changes				
#5	15:47 No Changes	752ms	3s	498ms	16s
#4	15:38 No Changes	784ms	3s	503ms	17s

Stage View of Output



Output

Visudo:

1. sudo visudo
2. Add jenkins ALL=(ALL) NOPASSWD: ALL

ssh installtion:

1. sudo systemctl restart ssh.service
2. sudo systemctl restart sshd.service
3. sudo apt update
4. sudo apt install openssh-server
5. sudo systemctl restart ssh
6. sudo systemctl status ssh
7. ls /etc/systemd/system/sshd.service or ls /usr/lib/systemd/system/sshd.service
8. sudo systemctl daemon-reload
9. sudo systemctl status ssh

Deployment:

1. `cd ~/.kube`
2. `ls`
3. `cat config`
4. `sudo vi config`
5. `i`
6. `-data`
7. `cat url | base64 -w 0; echo`
8. `minikube start`
9. `kubectl get node`

Pipeline Script:

```
pipeline {
  agent any

  stages {
    stage('SCM Checkout') {
      steps {
        git branch: 'main', url: 'https://github.com/Bavyadharshini-Rajaganapathy/simple-web-app.git'
      }
    }

    stage('Build') {
      steps {
        sh 'mvn clean'
        sh 'mvn install'
      }
    }

    stage('Build Docker Image') {
      steps {
        script {
          sh 'docker build -t bavyadharshini/simplewebapp .'
```

```

    }
  }
}

stage('Push to Docker Hub') {
  steps {
    script {
      withDockerRegistry(credentialsId: 'Docker_cred', url:
https://index.docker.io/v1/) {
        sh 'docker push bavyadharshini/simplewebapp'
      }
    }
  }
}

stage('test') {
  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'
    }
  }
}
}

```