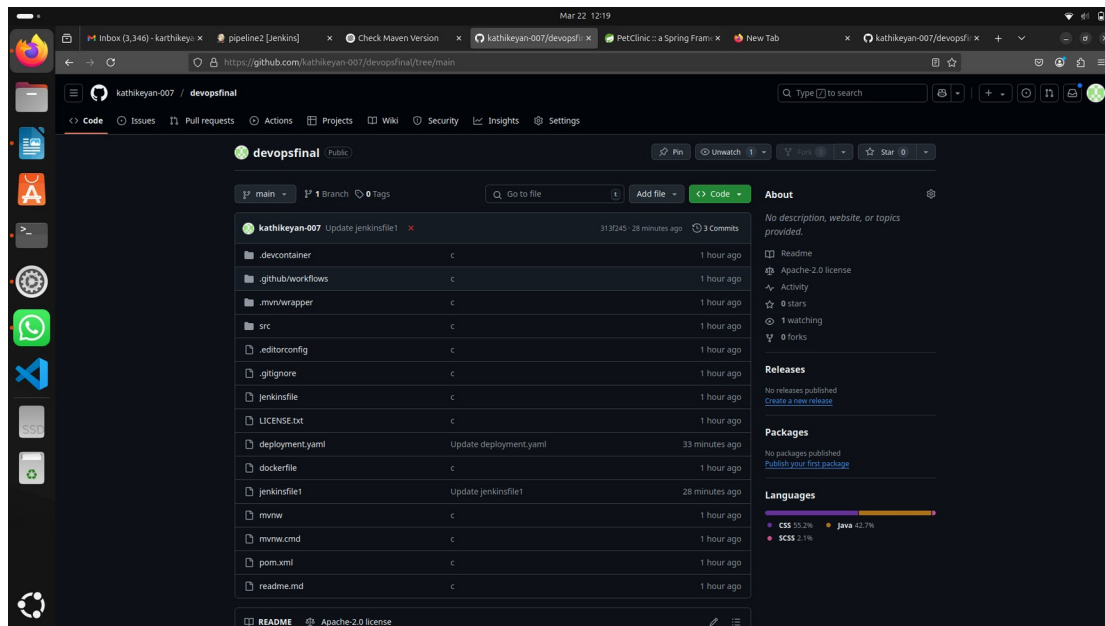


## PUSH THE GIVEN REPO GIVEN INTO YOUR GITHUB:-



## THEN USE THE BELOW PIPELINESCRIPT ACCORDING TO YOUR OWN CREDENTIALS:-

```
pipeline {
    agent any

    environment {
        DOCKER_IMAGE = "karthikeyan1512/mydocker_042"
        DOCKER_TAG = "latest"
        DOCKER_CREDENTIALS_ID = "docker"
        GITHUB_CREDENTIALS_ID = "github_secured"
        KUBECONFIG = "/var/lib/jenkins/.kube/config"
        MAVEN_HOME = "/usr/share/maven" // Set the correct Maven path
    }

    stages {
        stage('Checkout Code') {
            steps {
                git credentialsId: GITHUB_CREDENTIALS_ID, url:
'https://github.com/kathikeyan-007/devopsfinal.git', branch: 'main'
            }
        }

        stage('Build Application') {
            steps {
                script {
                    sh "${MAVEN_HOME}/bin/mvn clean package -DskipTests"
                }
            }
        }

        stage('Run Maven Tests') {
            steps {
                script {
                    catchError(buildResult: 'SUCCESS', stageResult: 'FAILURE') {

```

```

        sh "${MAVEN_HOME}/bin/mvn test"
    }
}
}

stage('Build Docker Image') {
    steps {
        script {
            sh "docker build -t ${DOCKER_IMAGE}:${DOCKER_TAG} ."
        }
    }
}

stage('Push Docker Image') {
    steps {
        withDockerRegistry([credentialsId: DOCKER_CREDENTIALS_ID, url: ""]) {
            sh "docker push ${DOCKER_IMAGE}:${DOCKER_TAG}"
        }
    }
}

// Uncomment this stage when Kubernetes deployment is ready
// stage('Deploy to Kubernetes') {
//     steps {
//         script {
//             sh ""
//             chmod +x scripts/deploy.sh
//             ./scripts/deploy.sh
//             ""
//         }
//     }
// }

post {
    success {
        echo "✔ Deployment Successful!"
    }
    failure {
        echo "✘ Deployment Failed!"
    }
}
}

```

## **BUILD THE PIPELINE:-**

### **In Tools:-**

Use Maven 3.9.6

and Maven Home as /opt/home

Mar 22 12:19

localhost:8080/job/pipeline2/

# Jenkins

Dashboard > pipeline2 >

Status pipeline2 Add description

Changes Build Now Configure Delete Pipeline Full Stage View Stages Rename Pipeline Syntax

Builds

Today #1 12:06 PM

## Stage View

Average stage times: (full run time: ~3min 1s)

Checkout Code	Build Application	Success Tests	Build Docker Image	Push Docker Image	Declarative: Post Actions
1s	56s	10s	1min 6s	36s	67ms

## Permalinks

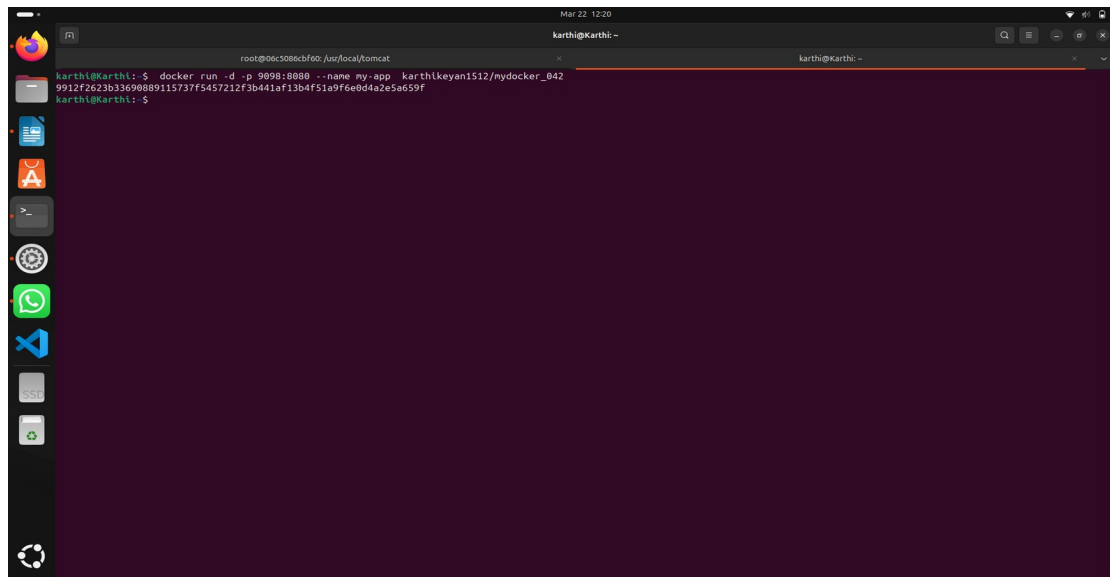
REST API Jenkins 2.492.2

AFTER BUILD:-

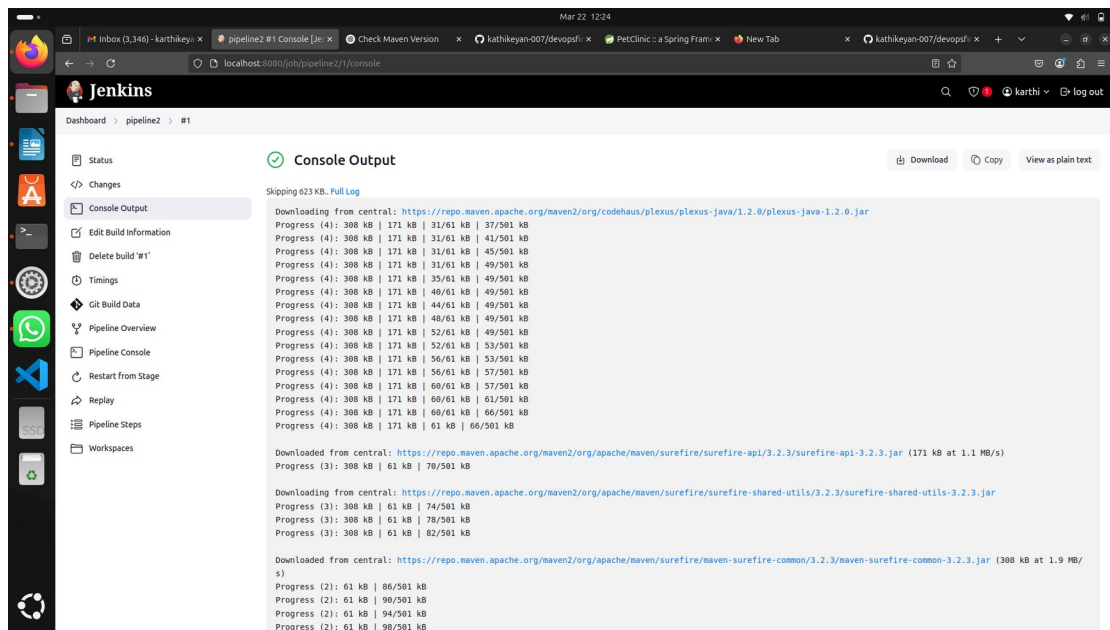
Mar 22 12:25

root@06c5086cbf60:/usr/local/tomcat

```
karthi@Karthi:~$ mvn -version
Apache Maven 3.8.7
Maven home: /usr/share/maven
Java version: 17.0.14, vendor: Ubuntu, runtime: /usr/lib/jvm/java-17-openjdk-amd64
Default locale: en_US, platform encoding: UTF-8
OS names: "linux", version: "6.11.0-17-generic", arch: "amd64", family: "unix"
karthi@Karthi:~$ ^[[200~docker ps -a-
docker: command not found
karthi@Karthi:~$ docker ps -a-
unknown shorthand flag: '^' in --
See 'docker ps --help'.
karthi@Karthi:~$ docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
9efc25c49221   270bec6d58ca   "docker-entrypoint.s..." Less than a second ago    Up Less than a second    0.0.0.0:3001->3000/tcp, :::3001->3000/tcp    jusjes_
12270f8f99886   gcr.io/k8s-minikube/kicbase:v0.0.46   "/usr/local/bin/entr..." 19 hours ago    Exited (137) 18 hours ago                                     minikub
e
karthi@Karthi:~$ docker run -it karthikeyan1512/mydocker_042:latest /bin/bash
root@06c5086cbf60:/usr/local/tomcat# ps aux | grep tomcat
root      10  0.0  0.0  6544  2252 pts/0    S+   06:42   0:00 grep --color=auto tomcat
root@06c5086cbf60:/usr/local/tomcat# ^C
root@06c5086cbf60:/usr/local/tomcat#
```



## BUILD SUCCESS OUTPUT:-



## FINAL OUTPUT IN localhost:9098

