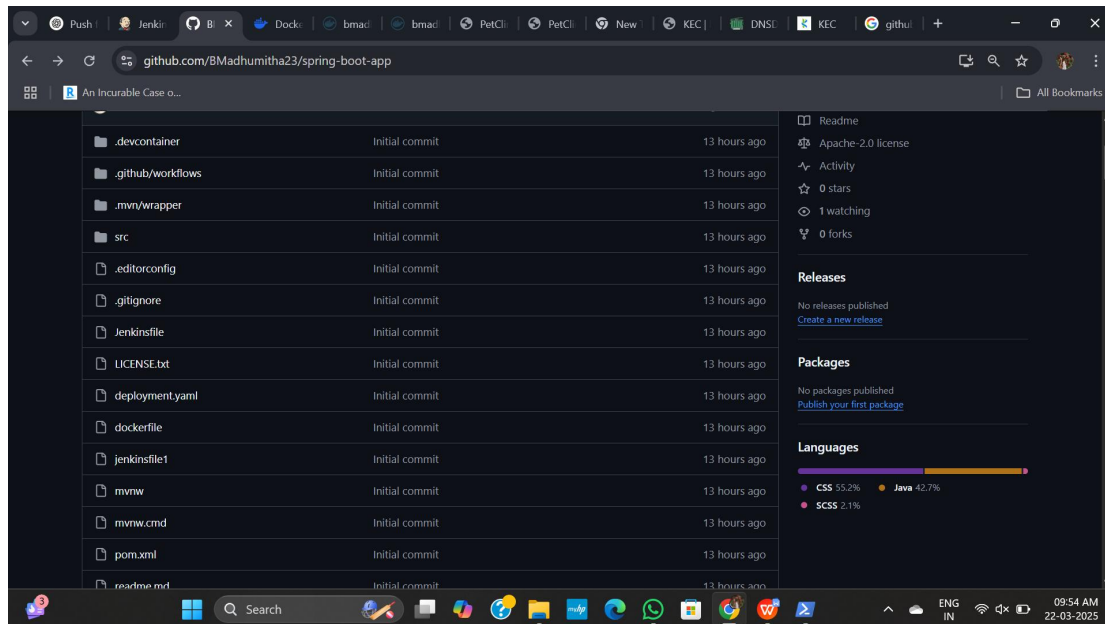


PUS THE GIVE REP GIVEN INTO YOUR GITHHUB:



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

```
pipeline {
    agent any

    environment {
        DOCKER_IMAGE = "bmadhumitha/maven"
        DOCKER_TAG = "latest"
        DOCKER_CREDENTIALS_ID = "docker"
        GITHUB_CREDENTIALS_ID = "github_seccred"
        KUBECONFIG = "/var/lib/jenkins/.kube/config"
        MAVEN_HOME = "/usr/share/maven"
    }

    stages {
        stage('Checkout Code') {
            steps {
                script {
                    echo " Checking out code from GitHub..."
                    git credentialsId: GITHUB_CREDENTIALS_ID, url:
'https://github.com/BMadhumitha23/spring-boot-app.git', branch: 'main'
                }
            }
        }

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

```

stage('Run Maven Tests') {
    steps {
        script {
            echo "    Running tests..."
            catchError(buildResult: 'SUCCESS', stageResult: 'FAILURE') {
                sh "${MAVEN_HOME}/bin/mvn test"
            }
        }
    }
}

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

stage('Push Docker Image') {
    steps {
        script {
            echo "    Pushing Docker image to registry..."
        }
        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 {
//             echo "    Deploying to Kubernetes..."
//             sh ""
//             chmod +x scripts/deploy.sh
//             ./scripts/deploy.sh
//             ""
//         }
//     }
// }

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

```

BUILD THE PIPELINE:-

Apache Maven 3.8.7

Maven home: /usr/share/maven

Dashboard > Madhu mitha > My Views > All > Jenkinsfile1 >

</> Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Stages

Rename

Pipeline Syntax

Buils

Today

#1 3:40 AM

Stage View

Average stage times: (full run time: ~8min 11s)

Checkout Code	Build Application	Run Maven Tests	Build Docker Image	Push Docker Image	Declarative: Post Actions
3s	1min 50s	23s	2min 29s	3min 21s	157ms

Permalinks

REST API Jenkins 2.492.2

```
madhumitha@madhumitha: /mnt/c/WINDOWS/system32
command 'ost' from deb openstructure (2.5.0-1build1)
command 'jest' from deb jest (29.6.2-ds1+~cs73.45.28-5)
command 'test' from deb coreutils (9.4-2ubuntu2)
ry: sudo apt install <deb name>
bash: /usr/local/tomcat#: No such file or directory
adhumitha@madhumitha: /mnt/c/WINDOWS/system32$ docker images
REPOSITORY          TAG                 IMAGE ID            CREATED             SIZE
madhumitha/maven    latest             e378f3896d66       18 minutes ago     563MB
bhavana23/bhavana   latest             4cd1924b877e       2 days ago         680MB
none>               <none>             41529163a512       2 days ago         680MB
none>               <none>             86d9a6c9585c       2 days ago         680MB
madhumitha/repo1    latest             8ac1ce144d67       3 days ago         681MB
usticeexam10/jusjes latest             e4e1c79a8fe3       3 days ago         681MB
ode                 alpine             017616c34fba       8 days ago         162MB
omcat               latest             88b0f1cee84c       2 weeks ago        519MB
cr.io/k8s-minikube/kicbase v0.0.46           e72c4cbe9b29       2 months ago       1.31GB
adhumitha@madhumitha: /mnt/c/WINDOWS/system32$ docker run -it bmadhumitha/maven:latest /bin/bash
pot@2eff37a3c43a: /usr/local/tomcat# exit
xit
adhumitha@madhumitha: /mnt/c/WINDOWS/system32$ ps aux | grep tomcat
pot      2840  8.8  9.8 5889628 369740 ?        Ssl  03:57   0:40 /opt/java/openjdk/bin/java -Djava.util.logging.config
file=/usr/local/tomcat/conf/logging.properties -Djava.util.logging.manager=org.apache.juli.ClassLoaderLogManager -Djdk.
ls.ephemeralDHKeySize=2048 -Dorg.apache.catalina.security.SecurityListener.UMASK=0027 --add-opens=java.base/java.lang=ALL-UNNAMED --add-opens=java.base/java.lang.reflect=ALL-UNNAMED --add-opens=java.base/java.io=ALL-UNNAMED --add-opens=java
.base/java.util=ALL-UNNAMED --add-opens=java.base/java.util.concurrent=ALL-UNNAMED --add-opens=java.rmi/sun.rmi.transport=ALL-UNNAMED --enable-native-access=ALL-UNNAMED -classpath /usr/local/tomcat/bin/bootstrap.jar:/usr/local/tomcat/bin/to
cat-juli.jar -Dcatalina.base=/usr/local/tomcat -Dcatalina.home=/usr/local/tomcat -Djava.io.tmpdir=/usr/local/tomcat/temp org.apache.catalina.startup.Bootstrap start
adhumitha@madhumitha: /mnt/c/WINDOWS/system32$
```

BUILD SUCCESS OUTPUT:-

The screenshot shows the Jenkins web interface with the 'Console Output' tab selected. The output displays the download progress of several Maven artifacts from the central repository. The artifacts include maven-common-artifact-filters, maven-surefire-common, surefire-booter, commons-io, and plexus-java. The build is successful, as indicated by the green checkmark icon.

Console Output [Download] [Copy] [View as plain text]

Skipping 560 KB., Full Log

```
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/shared/maven-common-artifact-filters/3.1.1/maven-common-artifact-filters-3.1.1.jar
Progress (3): 308 kB | 118 kB | 4.1/8.2 kB
Progress (3): 308 kB | 118 kB | 8.2 kB

Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/maven-surefire-common/3.2.3/maven-surefire-common-3.2.3.jar (308 kB at 452 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/apache/maven/surefire/surefire-booter/3.2.3/surefire-booter-3.2.3.jar (118 kB at 173 kB/s)
Downloading from central: https://repo.maven.apache.org/maven2/org/codehaus/plexus/plexus-java/1.2.0/plexus-java-1.2.0.jar
Progress (2): 8.2 kB | 4.1/136 kB
Progress (2): 8.2 kB | 8.2/136 kB
Progress (2): 8.2 kB | 12/136 kB
Progress (2): 8.2 kB | 16/136 kB
Progress (2): 8.2 kB | 20/136 kB
Progress (2): 8.2 kB | 24/136 kB
```

The screenshot shows the Jenkins web interface with the 'Build Information' tab selected. The build is successful, as indicated by the green checkmark icon. The build was started by user 'Madhu mitha' on March 22, 2025, at 3:40:29 AM. The build duration was 8 min 11 sec. The build was triggered by a git push to the repository https://github.com/BMadhumitha23/spring-boot-app.git. The build was triggered by the user 'Madhu mitha'.

#1 (Mar 22, 2025, 3:40:29 AM) [Add description] [Keep this build forever]

Started by user [Madhu mitha](#) Started 8 min 27 sec ago
Took 8 min 11 sec

This run spent:

- 47 ms waiting;
- 8 min 11 sec build duration;
- 8 min 11 sec total from scheduled to completion.

git Revision: dc4edf420d9065f6b398fb559caf7885efd056e7
Repository: <https://github.com/BMadhumitha23/spring-boot-app.git>
refs/remotes/origin/main

No changes.

FINAL OUTPUT IN localhost:9098

