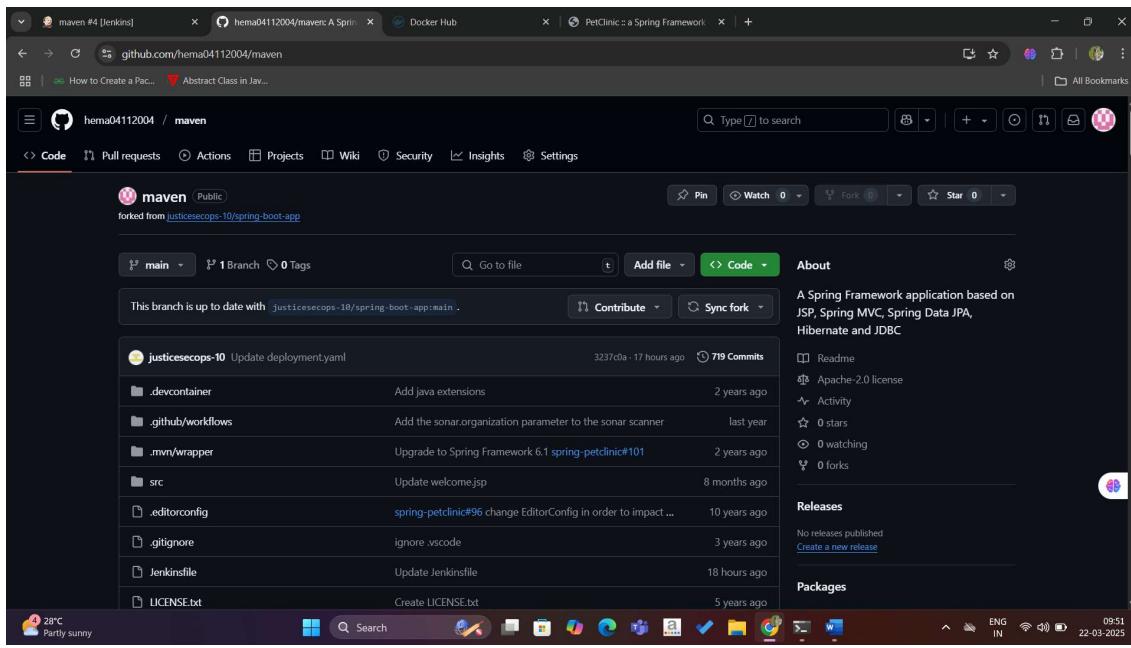


DAY 5



```
pipeline {  
    agent any  
  
    environment {  
        DOCKER_IMAGE = "hema0411/maven_docker"  
        DOCKER_TAG = "latest"  
        DOCKER_CREDENTIALS_ID = "docker"  
        GITHUB_CREDENTIALS_ID = "github_seccred"  
        KUBECONFIG = "/var/lib/jenkins/.kube/config"  
        MAVEN_HOME = "/opt/maven" // Set the correct Maven path  
    }  
  
    stages {  
        stage('Checkout Code') {  
            steps {  
                git credentialsId: GITHUB_CREDENTIALS_ID, url: 'https://github.com/hema04112004/maven',  
                branch: 'main'  
            }  
        }  
    }
```

```
    }  
  
    stages {  
        stage('Build and Test') {  
            steps {  
                sh 'mvn clean test'  
            }  
        }  
    }  
  
    post {  
        success {  
            slackSend channel: '#jenkins-build-status', message: "Build successful! :white_check_mark:"  
        }  
        failure {  
            slackSend channel: '#jenkins-build-status', message: "Build failed! :x:"  
        }  
    }  
}
```

```

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 {

```

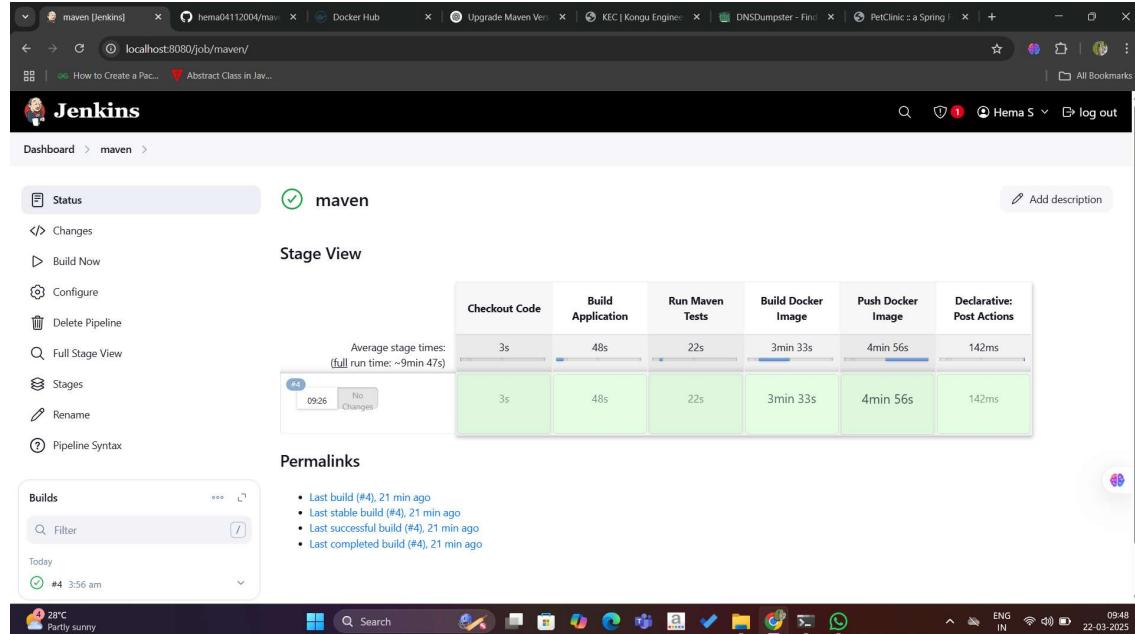
```

//     script {
//         sh """
//             chmod +x scripts/deploy.sh
//             ./scripts/deploy.sh
//         """
//     }
// }

post {
    success {
        echo "✅ Deployment Successful!"
    }
    failure {
        echo "❌ Deployment Failed!"
    }
}

```

BUILD THE PIPELINE:



```

maven #4 Console | x hema04112004/maven_d... | hema0411/maven_d... | Upgrade Maven Ver... | root@df45f60b2f62:/usr/local/tomcat/webapps/ROOT | + - x
localhost:9555
hema@LAPTOP-6C8AOIH6:~$ docker run -d -p 9595:8080 --name my-app hema0411/maven_docker
f31bd60ffa26c52859a1fae3b4e80211dc0f4b10dc6d905f353dd23b24ae32a4
hema@LAPTOP-6C8AOIH6:~$ |
22-Mar-2025 04:10:53.850 INFO [main] org.apache.catalina.startup.Catalina.lo...
ad Server initialization in [1071] milliseconds
calina.core.StandardService...
calina.core.StandardEngine...
cat/11.0.5]
calina.startup.HostConfig...
local/tomcat/webapps/ROOT...
sper.servlet.TldScanner.sc...
ntained no TLDs. Enable d...
JARs that were scanned b...
RS during scanning can im...
initialization started
UnitInfo [name: petclinic...
on 6.4.4.Final
vel cache region factory...
ctory]
> setup: ignoring JPA clas...
need to be specified exp...
erty setting and it will b...
L.Final
iform available (set 'hibe...
orm integration)
ialized JPA EntityManager...
itialized in 4432 ms
Dispatcher...
in 734 ms
alina.startup.HostConfig...
dstr/local/tomcat/webapps/R...
OOT.war] has finished in [8,474] ms
22-Mar-2025 04:11:02.431 INFO [main] org.apache.coyote.AbstractProtocol.star...
t Starting ProtocolHandler ["http-nio-8080"]
22-Mar-2025 04:11:02.459 INFO [main] org.apache.catalina.startup.Catalina.st...
art Server startup in [8606] milliseconds

```

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Jenkins

Dashboard > maven > #4

Status: #4 (22-Mar-2025, 3:56:46 am)

Started by user Hema S

This run spent:

- 24 ms waiting;
- 9 min 47 sec build duration;
- 9 min 47 sec total from scheduled to completion.

Revision: 3237c0ab6d3aeb4ece0d01195572ed76ca2ff74
Repository: <https://github.com/hema04112004/maven>

No changes.

28°C Partly sunny Search ENG IN 22-03-2025

```
maven #4 Console | hema04112004/mav... | Docker Hub | Upgrade Maven Ver... | KEC | Kongu Enginee... | DNSDumpster - Fin... | PetClinic: a Spring ... | + | - | ○ | All Bookmarks |   
localhost:8080/job/maven/4/console  
How to Create a Pac... Abstract Class in Jav...  
  
Dashboard > maven > #4  
  
4605954973493: Mounted from library/tomcat  
f844dcf94898: Mounted from library/tomcat  
39cf0ac89a5a: Mounted from library/tomcat  
3359bc0d7ada: Mounted from library/tomcat  
4b7c01ed0534: Mounted from library/tomcat  
9605958f49e3: Pushed  
latest: digest: sha256:9e556ed1608376d6bd2d2f3bafecdf6bab433c75a05bac036039c8be4ebecf3 size: 2413  
[Pipeline] }  
[Pipeline] // withDockerRegistry  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] stage  
[Pipeline] { (Declarative: Post Actions)  
[Pipeline] echo  
Deployment Successful  
[Pipeline] }  
[Pipeline] // stage  
[Pipeline] }  
[Pipeline] // withEnv  
[Pipeline] }  
[Pipeline] // node  
[Pipeline] End of Pipeline  
Finished: SUCCESS
```

REST API Jenkins 2.492.2

