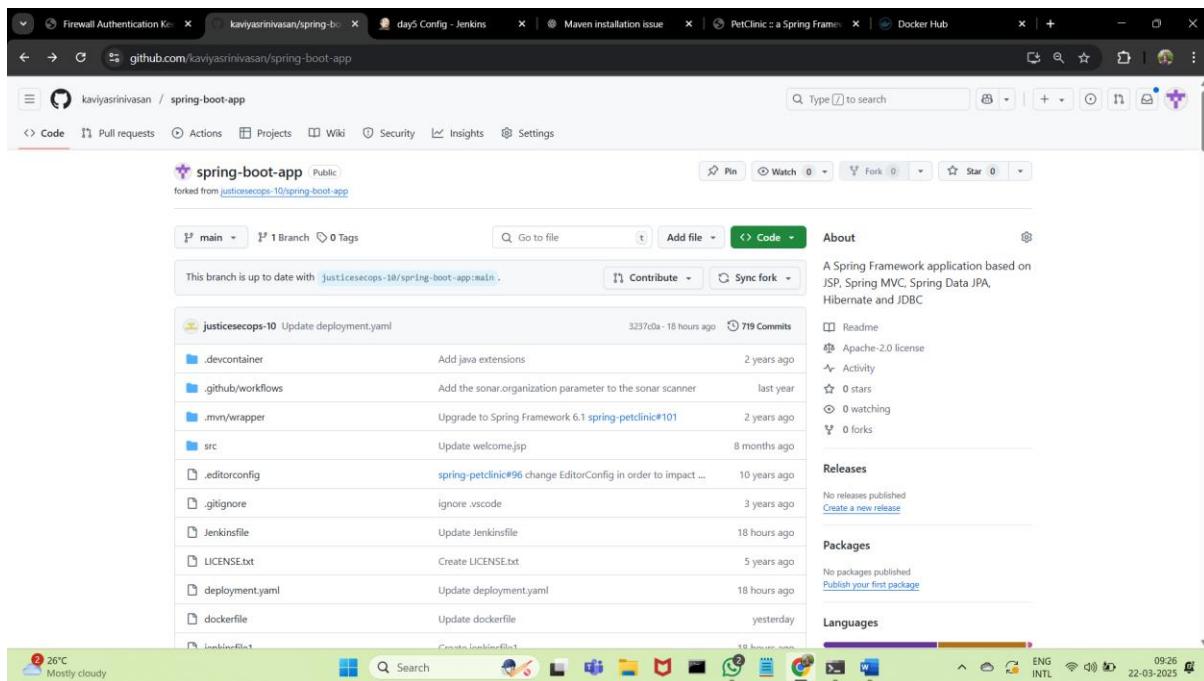


PUSH THE GIVEN REPO GIVEN INTO YOUR GITHUB:-



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

```
pipeline {
    agent any

    environment {
        DOCKER_IMAGE = "kaviyasrinivasan/day5"
        DOCKER_TAG = "latest"
        DOCKER_CREDENTIALS_ID = "docker"
        GITHUB_CREDENTIALS_ID = "github_seccred"
        KUBECONFIG = "/var/lib/jenkins/.kube/config"
        MAVEN_HOME = "/opt/apache-maven-3.9.6" // Set the correct Maven path
    }

    stages {
        stage('Checkout Code') {
            steps {
                git credentialsId: GITHUB_CREDENTIALS_ID, url:
'https://github.com/kaviyasrinivasan/spring-boot-app.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 "X Deployment Failed!"
    }
}
}

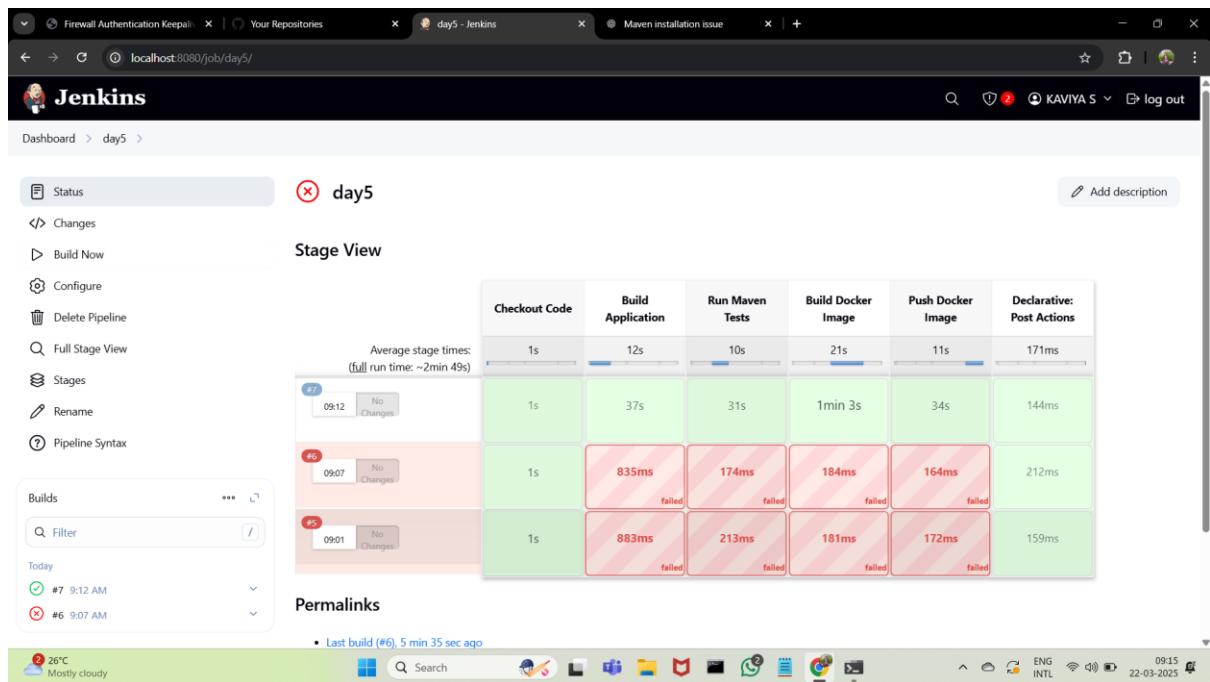
```

BUILD THE PIPELINE:-

In Tools:-

Use Maven 3.9.6

and Maven Home as /opt/apache-maven-3.9.6



AFTER BUILD:-

docker ps -a

docker run -it kaviyasrinivasan/day5:latest /bin/bash

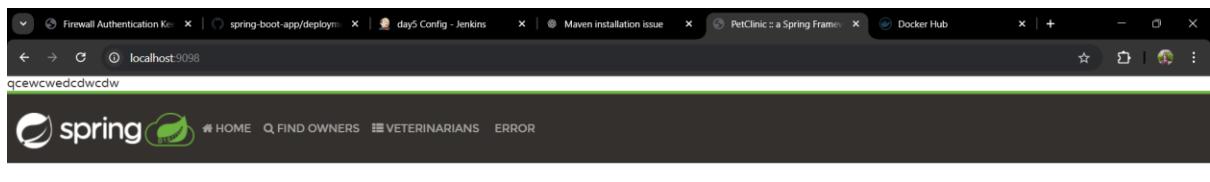
/usr/local/tomcat# ps aux | grep tomcat

docker run -d -p 9098:8080 --name my-app kaviyasrinivasan/day5

```

kavya@KavyaSrinivasan:~ + ~
kavya@KavyaSrinivasan:~$ docker ps -a
CONTAINER ID IMAGE COMMAND CREATED STATUS NAMES
6e1d9ef4f8e8 kicbase/stable:v0.0.46 "/usr/local/bin/entr..." 36 hours ago Exited (255) 24 hours ago 127.0.0.1:32768->22/tcp, 127.0.0.1:32769->2376/tcp
cp_127.0.0.1:32770->5000/tcp, 127.0.0.1:32771->8443/tcp, 127.0.0.1:32772->32443/tcp minikube
b34645e03632 hello-world "/hello"
8aeed94c285b hello-world "/hello"
69fc98fc2d1b b6fbab3c9862 "/bin/sh -c 'npm ins..." 3 days ago Exited (0) 3 days ago vigorous_elgamal
55d5a5c548a2 b6fbab3c9862 "/bin/sh -c 'npm ins..." 3 days ago Exited (1) 3 days ago gallant_torvalds
55db947602ab b6fbab3c9862 "/bin/sh -c 'npm ins..." 3 days ago Exited (1) 3 days ago romantic_sammet
48680ea610ad b6fbab3c9862 "/bin/sh -c 'npm ins..." 3 days ago Exited (1) 3 days ago brave_curran
d317c3c44a85 b6fbab3c9862 "/bin/sh -c 'npm ins..." 3 days ago Exited (1) 3 days ago heuristic_nash
kavya@KavyaSrinivasan:~$ docker run -it kowsika12/maven:latest /bin/bash
/usr/local/tomcat# ps aux | grep tomcat
Unable to find image 'kowsika12/maven:latest' locally
^[[A latest: Pulling from kowsika12/maven
5a7813e071bf: Already exists
8dbbb6c6af9dc: Already exists
a1066847b9f1: Already exists
dc1c5ea3c7d: Already exists
91e5cc5403a: Already exists
5d4560d0a9e9: Already exists
4f4fb700ef54: Already exists
e231914ca483: Already exists
abe8e163538c: Pulling fs layer
^C:bash: /usr/local/tomcat#: No such file or directory
kavya@KavyaSrinivasan:~$ docker run -it kavyiasrinivasan/day5:latest /bin/bash
/usr/local/tomcat# ps aux | grep tomcat
root@167b6e171760:/usr/local/tomcat# exit
exit
-bash: /usr/local/tomcat#: No such file or directory
kavya@KavyaSrinivasan:~$ docker run -d -p 9098:8088 --name my-app kavyiasrinivasan/day5
f351dbc0fffc8e58bc339f5ed3a7ee275af084a228d42be9de1f503137db9c81
kavya@KavyaSrinivasan:~$
```

BUILD SUCCESS OUTPUT:-



???welcome Aranganathan 79998wdd???



 spring by Pivotal

