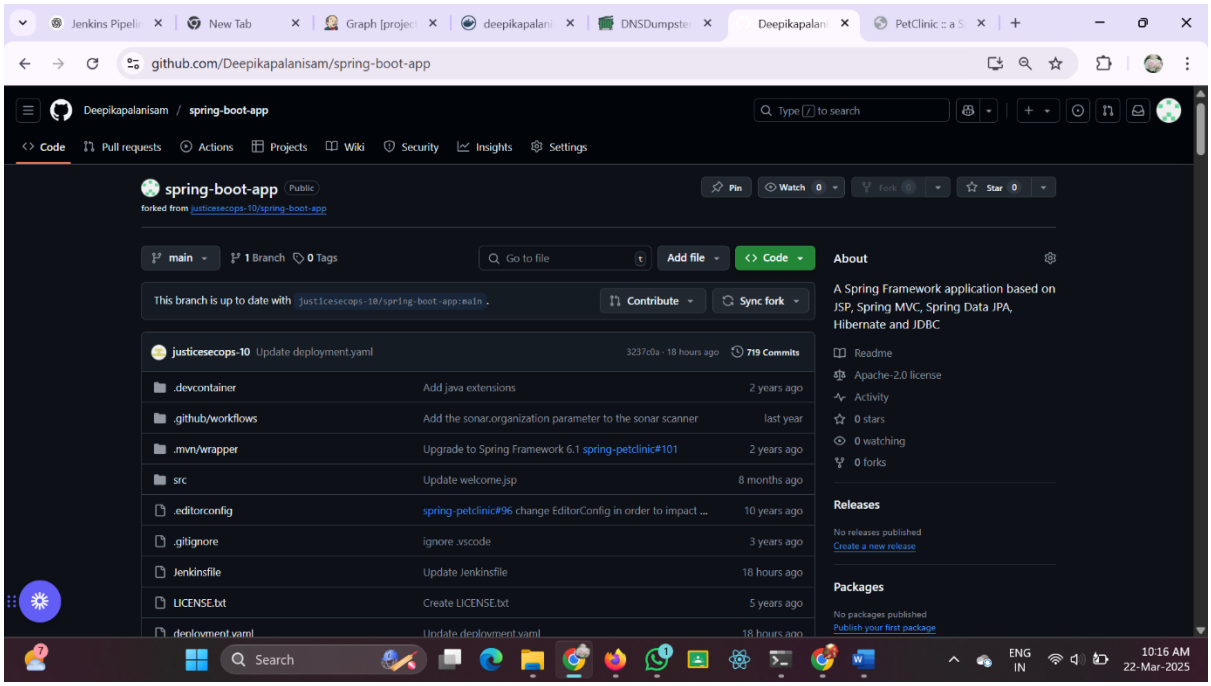
DAY -5

Github – push the given files



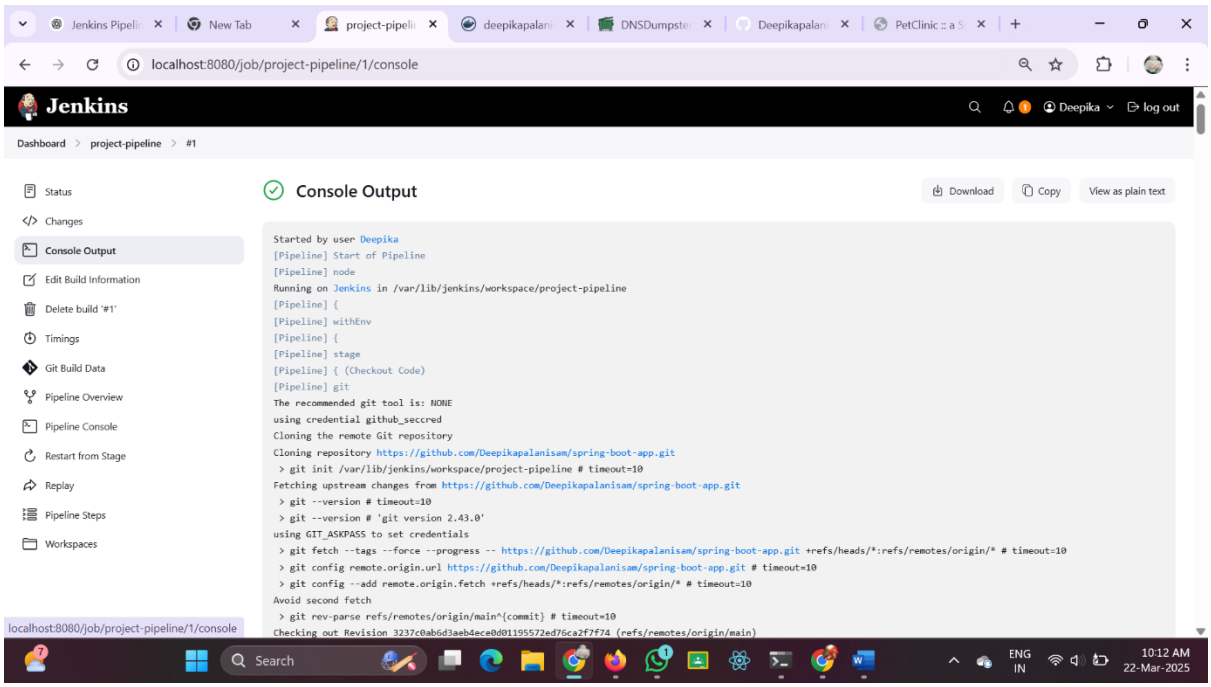
PIPELINE SCRIPT

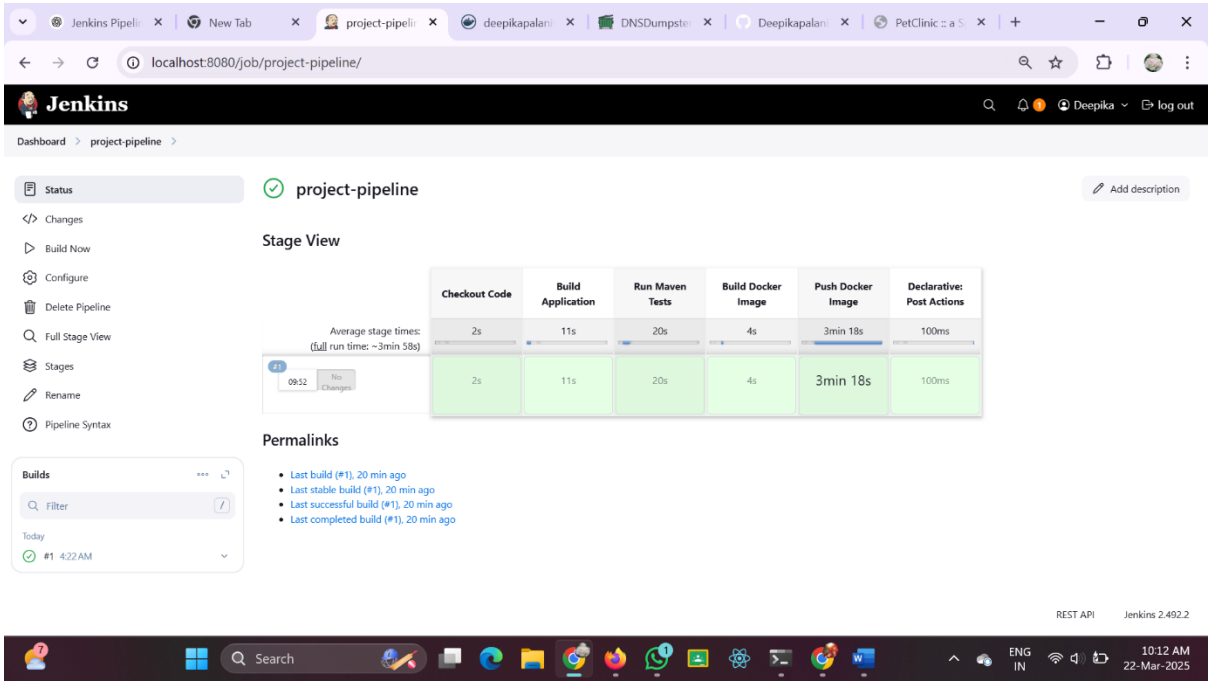
```
pipeline {
    agent any
    environment {
        DOCKER_IMAGE = "deepikapalanisamy23/social-app"
        DOCKER_TAG = "latest"
        DOCKER_CREDENTIALS_ID = "docker"
        GITHUB_CREDENTIALS_ID = "github_seccred"
        KUBECONFIG = "/var/lib/jenkins/.kube/config"
        MAVEN_HOME = "/opt/maven"  // Set the correct Maven path
    }
    stages {
        stage('Checkout Code') {
            steps {
```

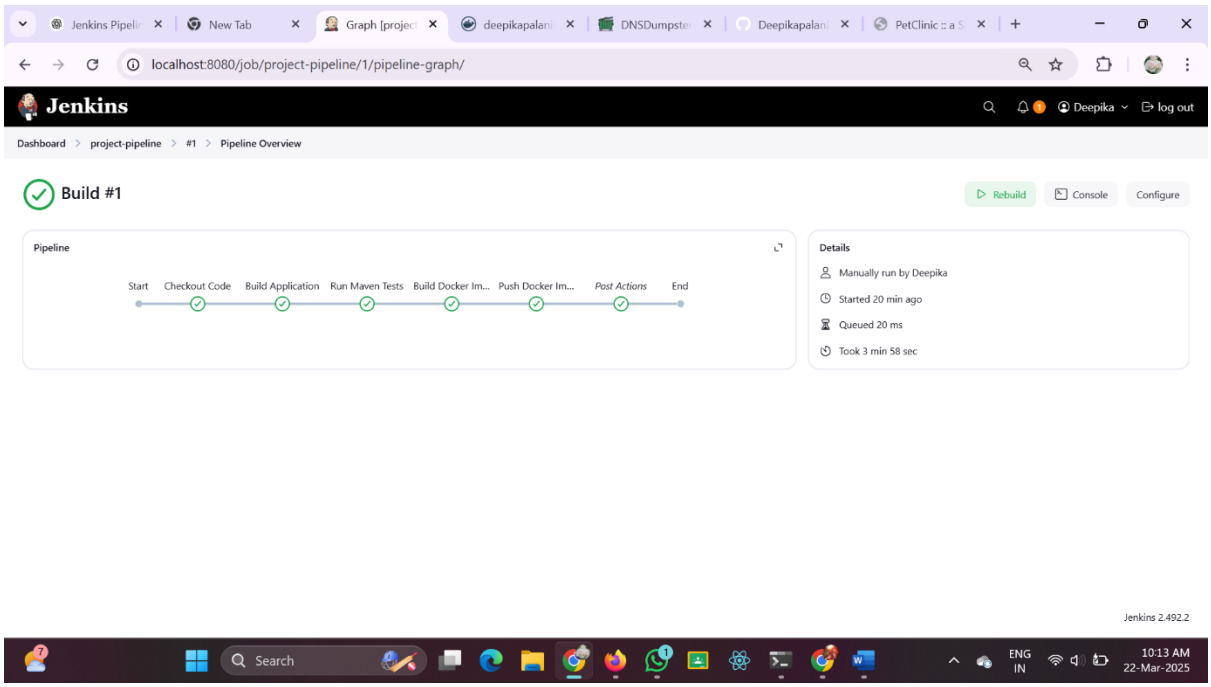
```
            git credentialsId: GITHUB_CREDENTIALS_ID, url:
'https://github.com/Deepikapalanisam/spring-boot-app.git', branch: 'main'
        }
    }
    stage('Build Application') {
        steps {
            script {
                sh "${MAVEN_HOME}/bin/mvn clean package -DskipTests"
            }
        }
    }

    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 "❌ Deployment Failed!"
        }
    }
}
```

BUILD PIPELINE







OUTPUT : localhost:9098