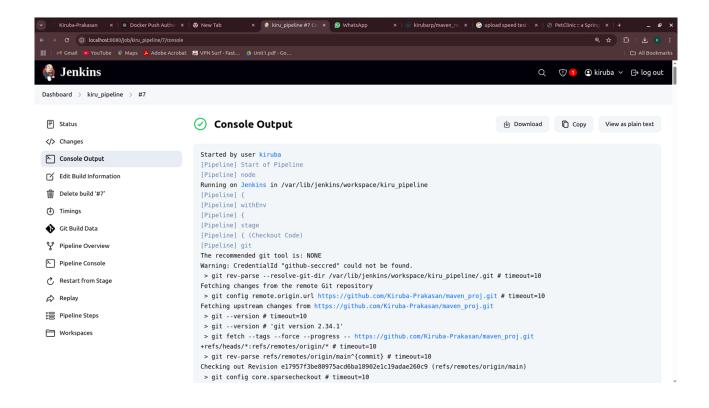
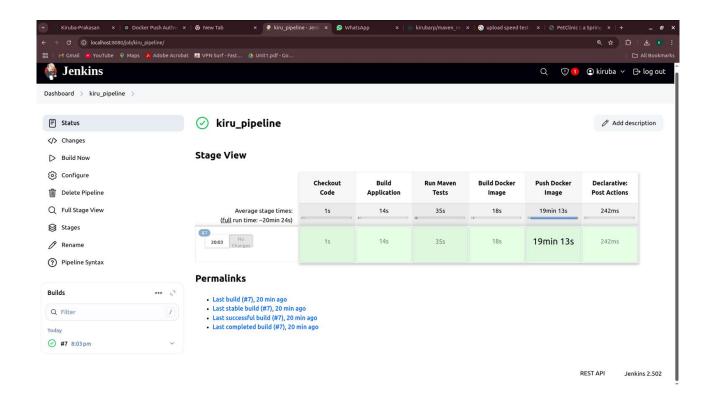
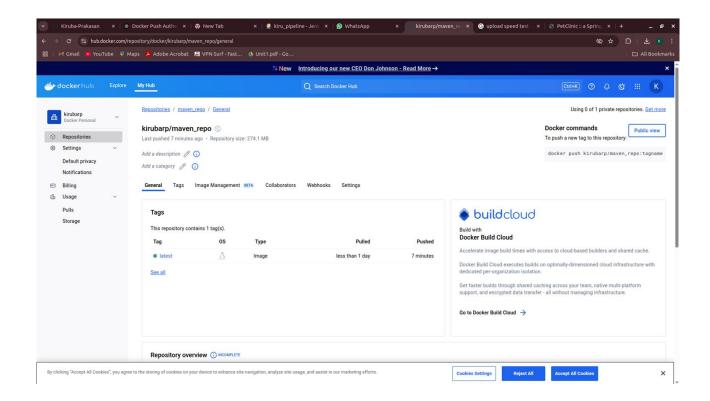
DAY 5 – TASK (MAVEN DEPLOYMENT IN DOCKER)

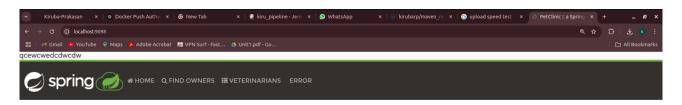
```
pipeline script:
pipeline {
  agent any
  environment {
    DOCKER_IMAGE = "kirubarp/maven_repo"
    DOCKER_TAG = "latest"
    DOCKER_CREDENTIALS_ID = "docker"
    GITHUB_CREDENTIALS_ID = "github-seccred"
    KUBECONFIG = "/var/lib/jenkins/.kube/config"
    MAVEN_HOME = "/opt/maven" // Explicitly define Maven home
  }
  stages {
    stage('Checkout Code') {
      steps {
         git credentialsId: GITHUB_CREDENTIALS_ID, url: 'https://github.com/Kiruba-
Prakasan/maven_proj.git', branch: 'main'
    }
    stage('Build Application') {
      steps {
         script {
           sh '/opt/maven/bin/mvn clean package -DskipTests'
       }
    }
    stage('Run Maven Tests') {
      steps {
         script {
           try {
              sh '/opt/maven/bin/mvn test'
           } catch (Exception e) {
              echo "Tests failed, but proceeding..."
         }
       }
    }
    stage('Build Docker Image') {
      steps {
           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}"
         }
      }
    }
    // stage('Deploy to Kubernetes') {
        steps {
    //
           script {
    //
             sh "
               chmod +x scripts/deploy.sh
    //
               ./scripts/deploy.sh
    //
    //
    //
           }
    //
         }
    // }
  post {
    success {
      echo "Deployment Successful!"
    failure {
      echo "Deployment Failed!"
  }
}
```









???welcome Aranganathan 79998wdd???



