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 {
            script {
               sh "docker build -t ${DOCKER_IMAGE}:${DOCKER_TAG} ."
            }
         }
      }
```

```groovy
        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!"
        }
    }
}
```

Kiruba-Prakasan × | Docker Push Authe × | New Tab × | kiru_pipeline #7 Co × | WhatsApp × | kirubarp/maven_re × | upload speed test - × | PetClinic :: a Spring × | +

localhost:8080/job/kiru_pipeline/7/console

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Jenkins

Q 🛈 1 👤 kiruba ˅ ⤷ log out

Dashboard > kiru_pipeline > #7

Status
Changes
Console Output
Edit Build Information
Delete build '#7'
Timings
Git Build Data
Pipeline Overview
Pipeline Console
Restart from Stage
Replay
Pipeline Steps
Workspaces

✔ Console Output

⤓ Download   ⧉ Copy   View as plain text

```
Started by user kiruba
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/kiru_pipeline
[Pipeline] {
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Checkout Code)
[Pipeline] git
The recommended git tool is: NONE
Warning: CredentialId "github-seccred" could not be found.
 > git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/kiru_pipeline/.git # timeout=10
Fetching changes from the remote Git repository
 > git config remote.origin.url https://github.com/Kiruba-Prakasan/maven_proj.git # timeout=10
Fetching upstream changes from https://github.com/Kiruba-Prakasan/maven_proj.git
 > git --version # timeout=10
 > git --version # 'git version 2.34.1'
 > git fetch --tags --force --progress -- https://github.com/Kiruba-Prakasan/maven_proj.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
 > git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision e17957f3be80975acd6ba18902e1c19adae260c9 (refs/remotes/origin/main)
 > git config core.sparsecheckout # timeout=10
```

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Dashboard > kiru_pipeline >

Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Stages
Rename
Pipeline Syntax

✔ kiru_pipeline

✏ Add description

Stage View

	Checkout Code	Build Application	Run Maven Tests	Build Docker Image	Push Docker Image	Declarative: Post Actions
Average stage times: (full run time: ~20min 24s)	1s	14s	35s	18s	19min 13s	242ms
#7 20:03 No Changes	1s	14s	35s	18s	19min 13s	242ms

Permalinks

- Last build (#7), 20 min ago
- Last stable build (#7), 20 min ago
- Last successful build (#7), 20 min ago
- Last completed build (#7), 20 min ago

Builds

⊙⊙⊙ ⤢

🔍 Filter   /

Today

✔ #7 8:03 pm   ˅

REST API   Jenkins 2.502

qcewcwedcdwcdw

spring ≡ HOME Q FIND OWNERS ≡ VETERINARIANS ERROR

???welcome Aranganathan 79998wdd???

spring by Pivotal.