pipeline {

environment {

registry = "YourDockerUser/my\_java\_application"

registryCredential = 'dockerhub'

dockerImage = ''

}

agent any

tools {

maven 'apache maven 3.6.3'

jdk 'JDK 8'

}

stages {

stage ('Clean') {

steps {

sh 'mvn clean'

}

}

stage ('Build') {

steps {

sh 'mvn compile'

}

}

stage ('Short Tests') {

steps {

sh 'mvn -Dtest=CalculatorTest test'

}

}

stage ('Long Tests') {

steps {

sh 'mvn -Dtest=CalculatorTestThorough test'

}

post {

success {

junit 'target/surefire-reports/\*\*/\*.xml'

}

}

}

stage ('Package') {

steps {

sh 'mvn package'

archiveArtifacts artifacts: 'src/\*\*/\*.java'

archiveArtifacts artifacts: 'target/\*.jar'

}

}

stage('Building image') {

steps{

script {

dockerImage = docker.build registry + ":$BUILD\_NUMBER"

}

}

}

stage('Deploy Image') {

steps{

script {

docker.withRegistry( '', registryCredential ) {

dockerImage.push()

}

}

}

}

stage('Remove Unused docker image') {

steps{

sh "docker rmi $registry:$BUILD\_NUMBER"

}

}

}

post {

failure {

mail to: 'AnEmail@gmail.com',

subject: "Failed Pipeline: ${currentBuild.fullDisplayName}",

body: "Something is wrong with ${env.BUILD\_URL}"

}

}

}