node {

stage 'Clone the project'

git 'git repo url'

dir('spring repp') {

stage("Compilation and Analysis Stage") {

sh "mvn clean install"

}

stage("Checkstyle Stage") {

sh "mvn checkstyle:checkstyle"

sh "mvn sonar:sonar"

step([$class: 'CheckStylePublisher',

canRunOnFailed: true,

pattern: '\*\*/target/checkstyle-result.xml'

])

}

}

}

stage("Tests and Deployment Stage") {

stage("Run Unit test") {

sh "mvn test -Punit"

step([$class: 'JUnitResultArchiver', testResults:

'\*\*/target/surefire-reports/TEST-\*UnitTest.xml'])

}

stage("Create docker image") {

sh

docker build -t appname:$BUILD\_ID .

docker push appname:$BUILD\_ID

}

}

}

}