

```

pipeline {
    agent any

    stages {
        stage('Build') {
            steps {
                echo 'Building the code...'
                // Example: sh 'mvn clean install'
            }
        }
        stage('Unit and Integration Tests') {
            steps {
                echo 'Running unit and integration tests...'
                // Example: sh 'mvn test'
            }
        }
        stage('Code Analysis') {
            steps {
                echo 'Performing code analysis...'
                // Example: sh 'sonar-scanner'
            }
        }
        stage('Security Scan') {
            steps {
                echo 'Running security scan...'
                // Example: sh 'dependency-check.sh'
            }
        }
        stage('Deploy to Staging') {
            steps {
                echo 'Deploying to staging...'
                // Example: sh 'scp target/*.war
user@staging-server:/path/to/deploy'
            }
        }
        stage('Integration Tests on Staging') {
            steps {
                echo 'Running integration tests on staging...'
                // Example: sh 'run-staging-tests.sh'
            }
        }
        stage('Deploy to Production') {
            steps {
                echo 'Deploying to production...'
                // Example: sh 'scp target/*.war
user@production-server:/path/to/deploy'
            }
        }
    }
    post {

```

```
success {
    echo 'Pipeline completed successfully!'
}
failure {
    echo 'Pipeline failed.'
}
always {
    emailx(
        to: 'sennan.h21@gmail.com',
        subject: "${currentBuild.fullDisplayName} - ${currentBuild.result}",
        body: "Build finished with status: ${currentBuild.result}",
        attachLog: true
    )
}
}
```