### Lab Exam: Azure devOps pipeline

You will find a spring boot project , fist run project locally and ensure test cases are running and jacoco code coverage is working.

Now Create azure repo and push the project the azure repo and create 2 more branches test and dev.

Now Create declaritve CI pipeline using azure pipeline and put the snapshot of result in an word document and push to github

Created repo

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Committed and pushed to master

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Created dev and test

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Created pipeline

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Script

trigger:

  branches:

    include:

      - main

      - dev

      - test

pool:

  vmImage: 'ubuntu-latest'

steps:

- task: JavaToolInstaller@0

  inputs:

    versionSpec: '17'

    jdkArchitectureOption: 'x64'

    jdkSourceOption: 'PreInstalled'

- task: Maven@3

  inputs:

    mavenPomFile: 'pom.xml'

    goals: 'clean test'

    publishJUnitResults: true

    testResultsFiles: '\*\*/surefire-reports/TEST-\*.xml'

    javaHomeOption: 'JDKVersion'

    jdkVersionOption: '1.17'

- task: PublishCodeCoverageResults@1

  inputs:

    codeCoverageTool: 'JaCoCo'

    summaryFileLocation: '\*\*/site/jacoco/jacoco.xml'

    reportDirectory: '\*\*/site/jacoco'

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Run pipeline

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Tests passed

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Jacoco code coverage

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