EXP NO: 6	Run regression tests using Maven Build
	pipeline in Azure
DATE:	

AIM: -

To Run regression tests using Maven Build pipeline in Azure.

ALGORITHM / PROCEDURE: -

- 1. Create or Modify Azure Pipeline: If you don't have an existing pipeline, create a new one in Azure DevOps as described earlier. If you already have a pipeline, modify it to include the test steps.
- 2. Choose Repository: Select the repository that contains your Maven project with the tests.
- 3. Define Pipeline Template: Choose Maven as your pipeline template or use the Starter Pipeline and manually define the pipeline.
- 4. Update azure-pipelines.yml: Add Maven commands to run the regression tests after building the project. The regression tests are usually executed by Maven through mvn test or mvn verify.
- 5. Add Maven Test Goals: In the azure-pipelines.yml, configure the goals to include test or verify to run the tests.
- 6. Configure Test Results: Optionally, you can publish test results to Azure DevOps for reporting purposes.
- 7. Save and Run the Pipeline: Once the pipeline is configured, save it and run it to execute the regression tests along with the build.

CODING: -

trigger:

- main # Adjust this to your default branch, like 'master' or 'develop'

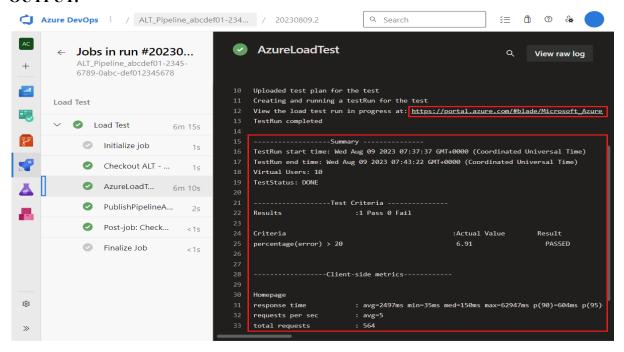
pool:

vmImage: 'ubuntu-latest' # You can change to 'windows-latest' if required

steps:

- task: MavenAuthenticate@0 # Authenticate with your Maven feed (if necessary) inputs: mavenFeed: 'your-feed-name' - task: Maven@3 # Maven task to run build and tests inputs: mavenPomFile: 'pom.xml' # Path to your Maven project file options: '-X' # Optional: Enable verbose output goals: 'clean verify' # Run clean and verify to compile, test, and package javaHomeOption: 'JDKVersion' # Choose JDK version (e.g., '1.8', '11') jdkVersionOption: '1.8' mavenVersionOption: 'Default' - task: PublishTestResults@2 # Publish test results to Azure DevOps inputs: testResultsFiles: '**/target/test-*.xml' # Path to test result files testRunTitle: 'Maven Regression Tests' # Title for test run - task: PublishBuildArtifacts@1 # Optionally publish build artifacts inputs: PathtoPublish: '\$(Build.ArtifactStagingDirectory)' ArtifactName: 'drop' publishLocation: 'Container'

OUTPUT: -



RESULT: -

Thus we successfully Run regression tests using Maven Build pipeline in Azure.