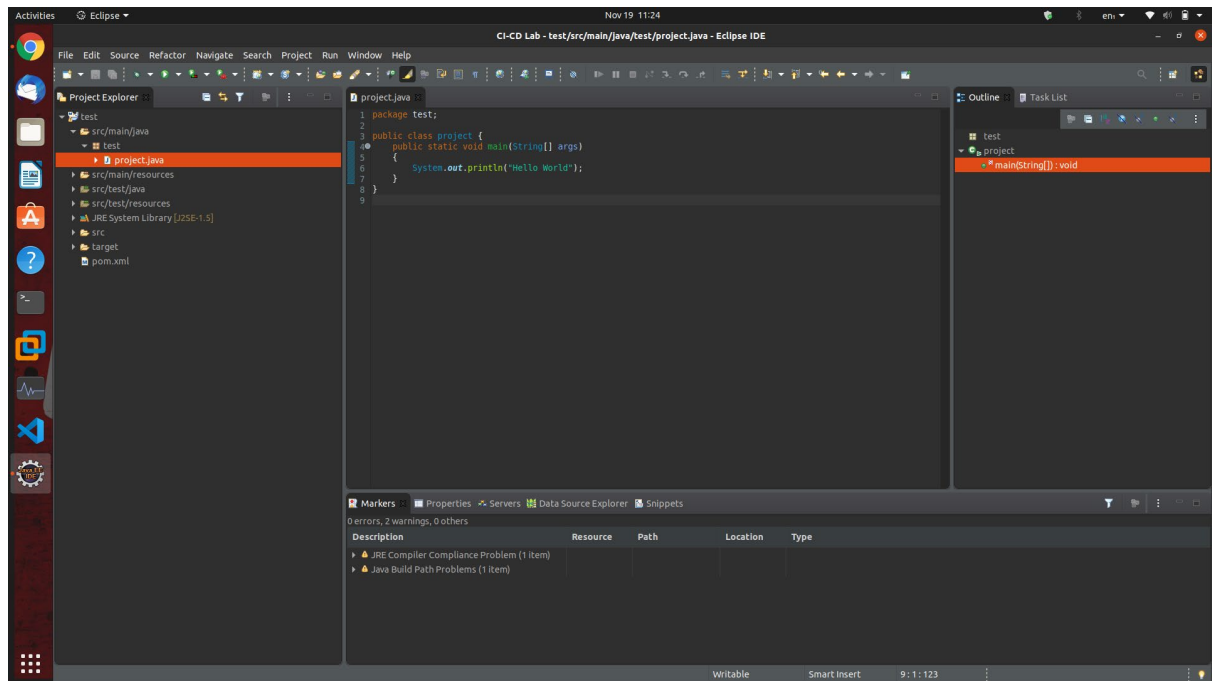


Assignment-2

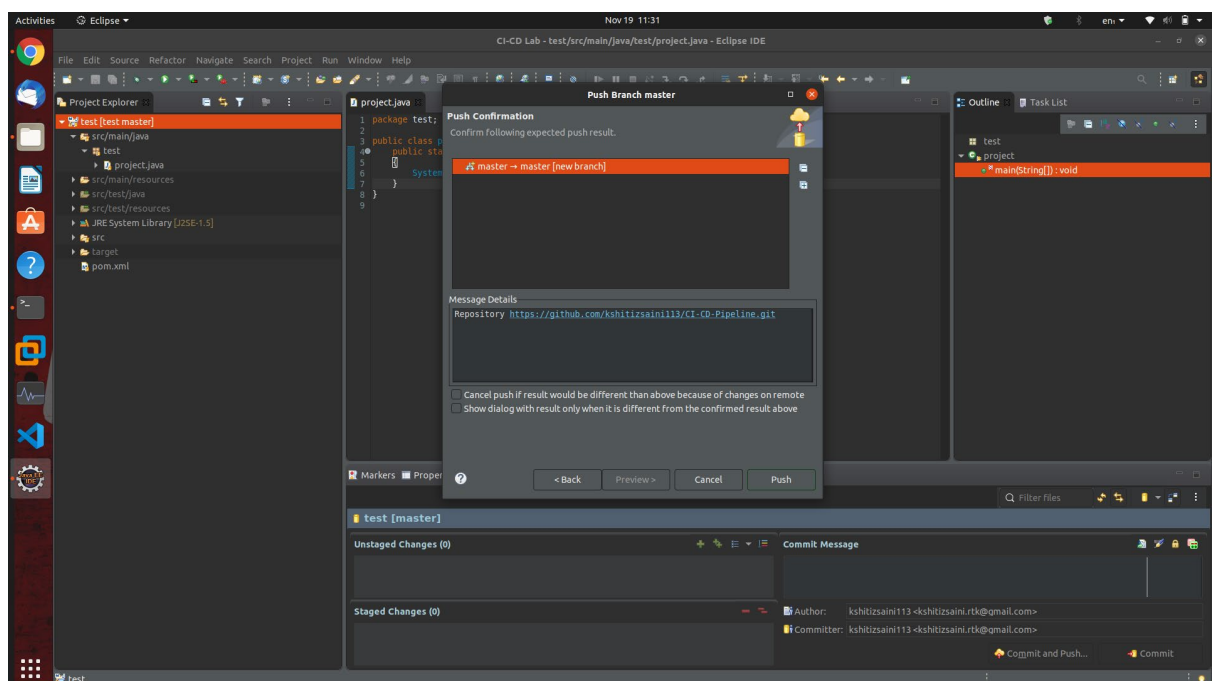
Creating a DevOps pipeline

(Integrating Jenkins, GitHub, Maven, Nexus and Eclipse)

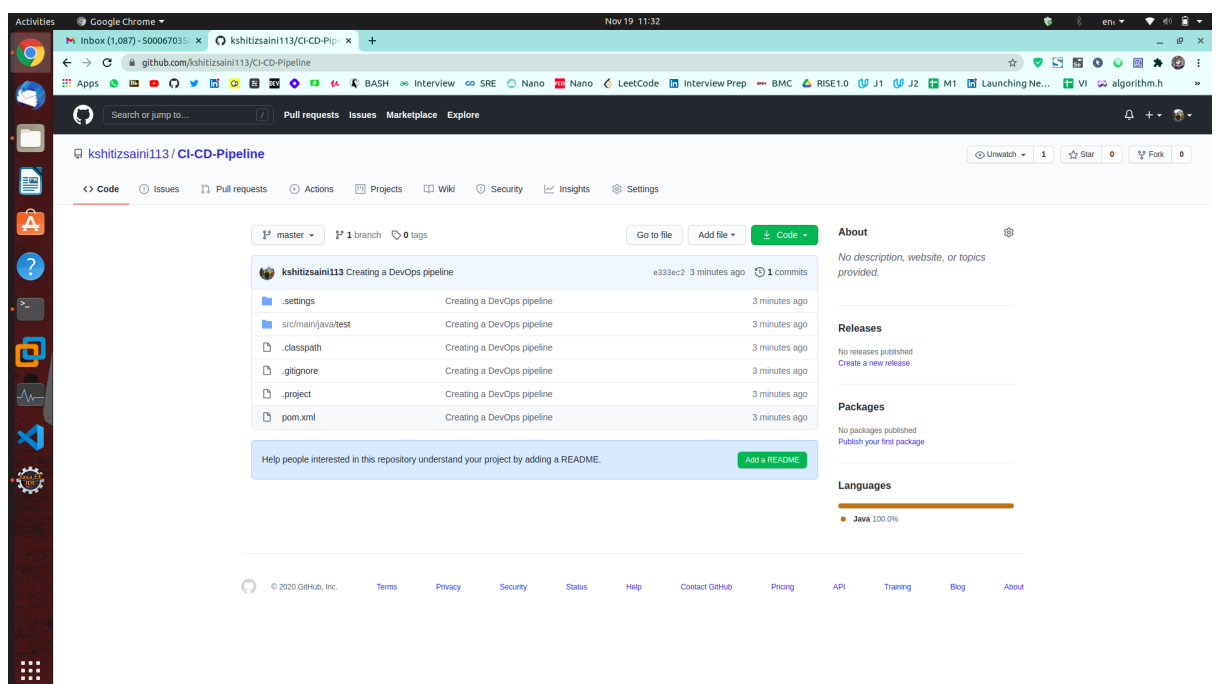
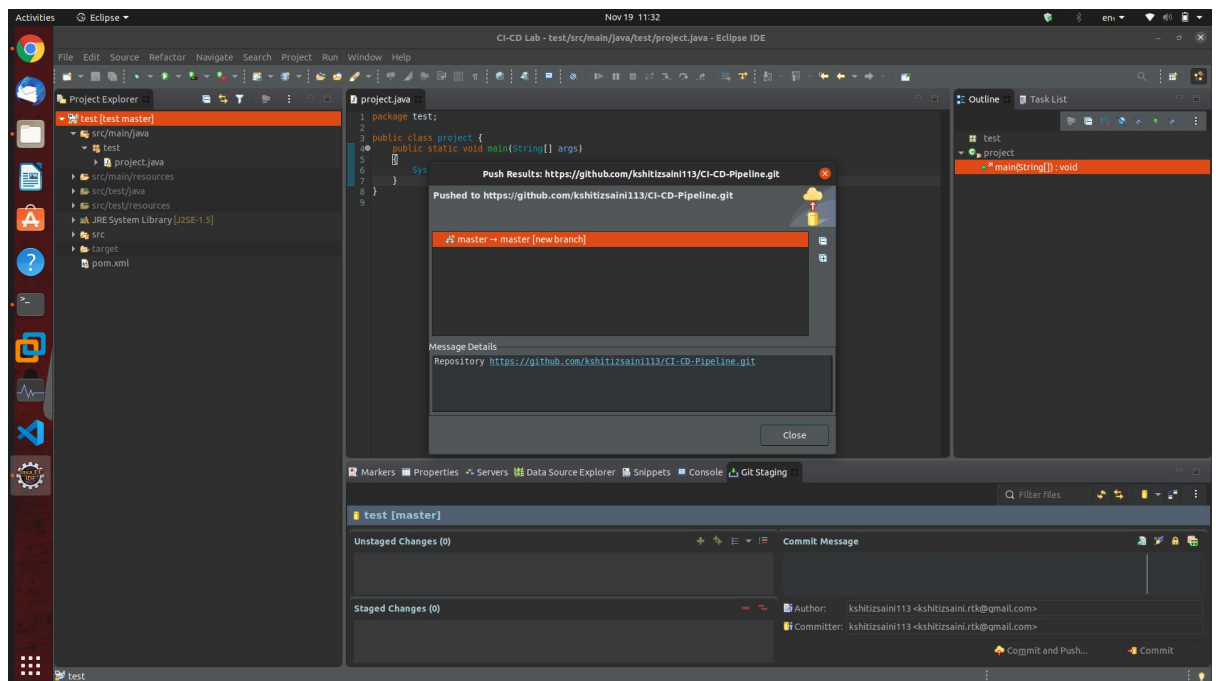
- 1) First of all we need to create an Eclipse project.



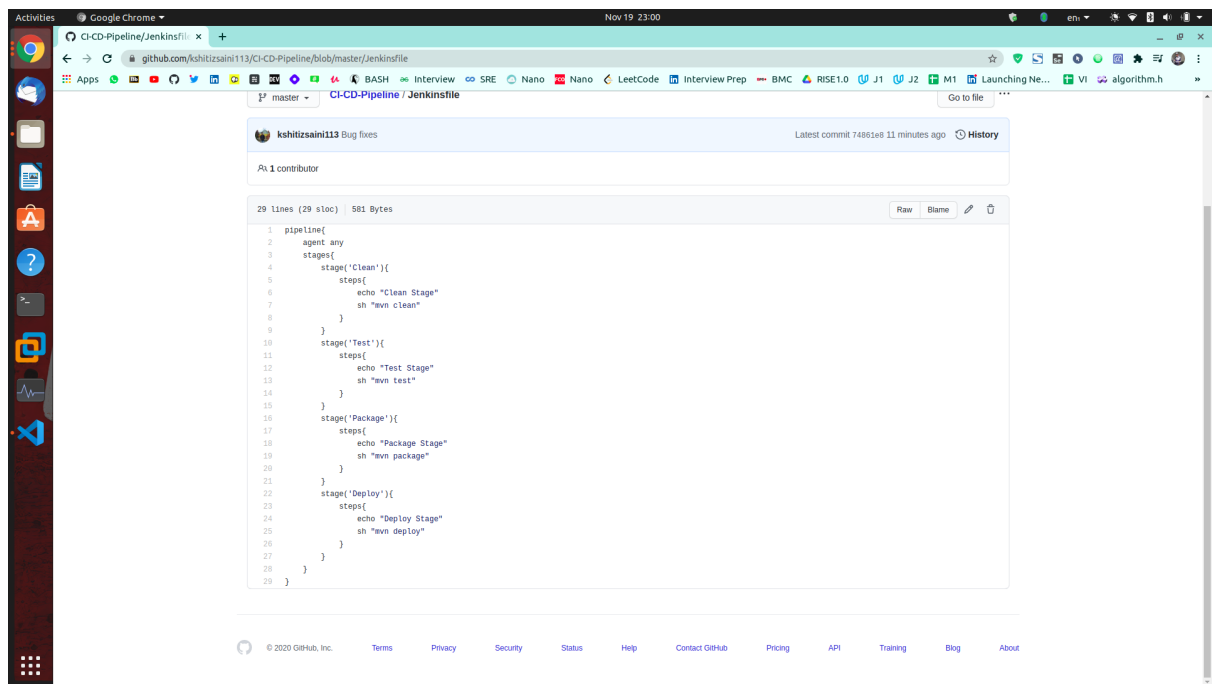
- 2) Use the Eclipse feature to commit the changes.



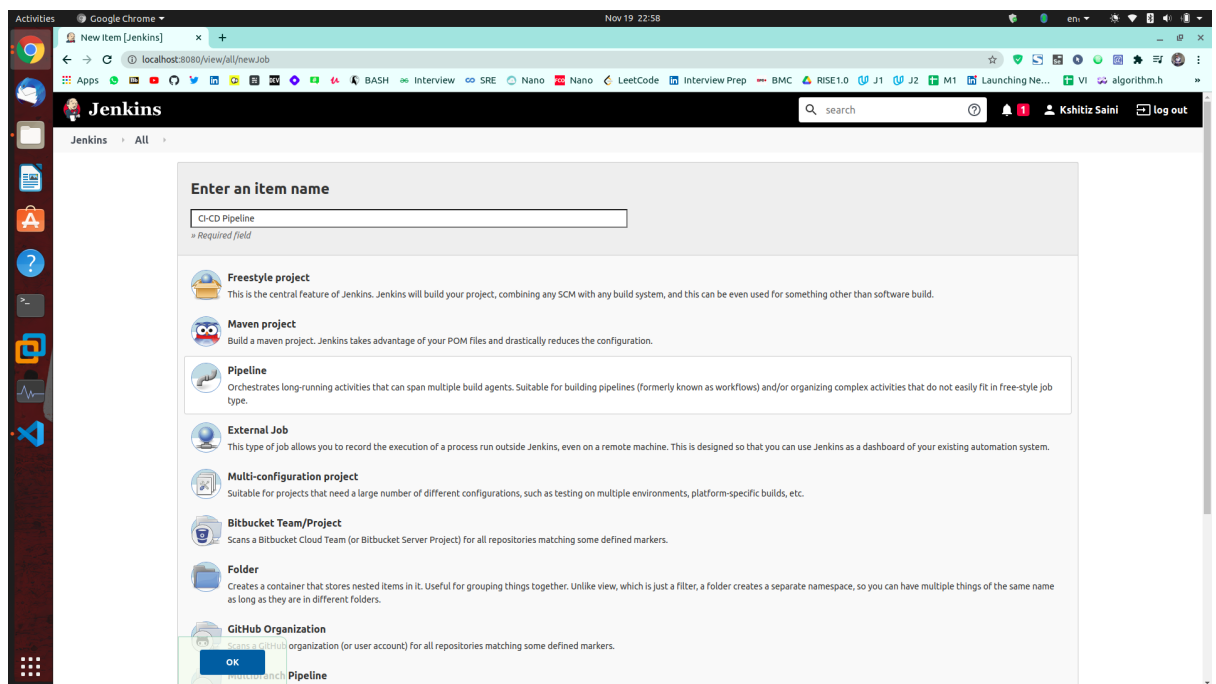
3) Further, we push the project to GitHub using the Eclipse IDE feature.



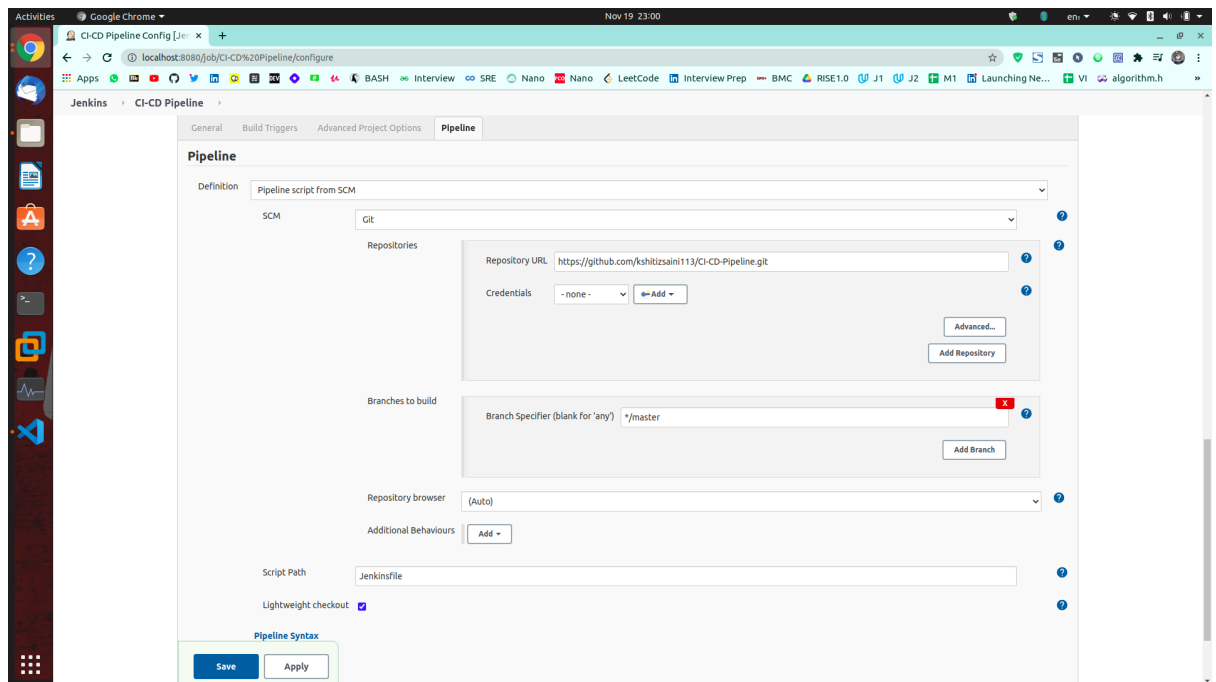
4) Add a JenkinsFile to create a Jenkins pipeline.



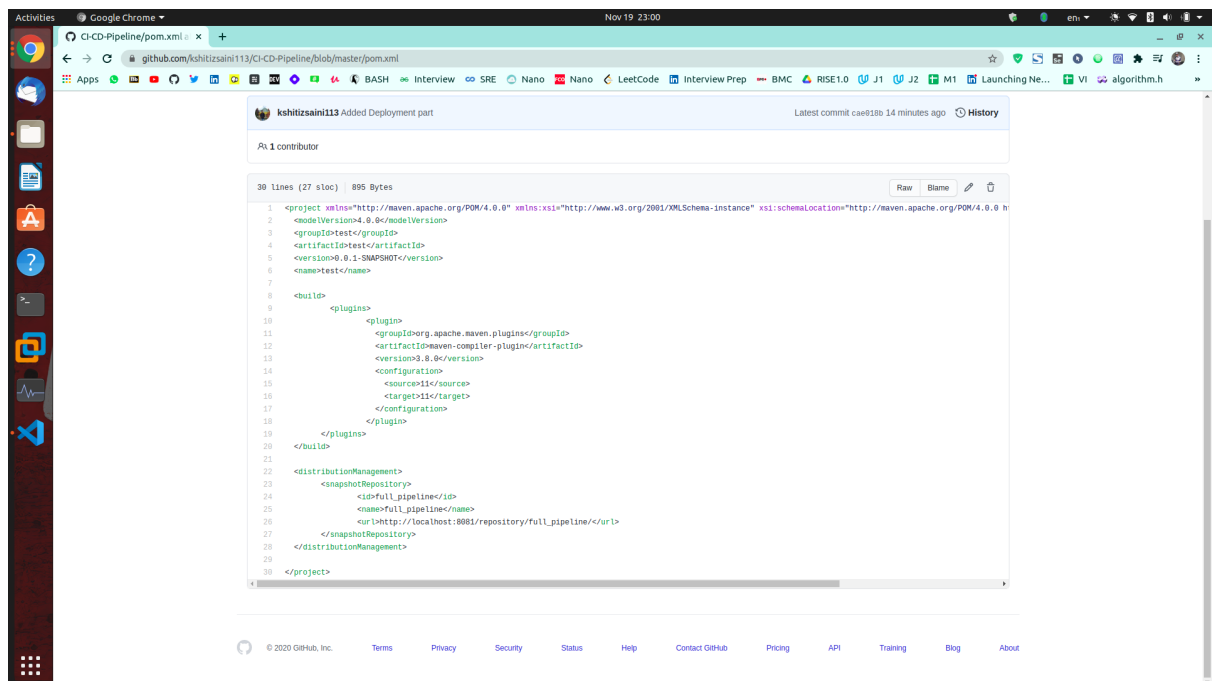
5) Create a Jenkins pipeline using the Jenkins WebUI.



6) Specify the GitHub repository in the pipeline and specify the path for JenkinsFile.



7) Specify the Nexus repository in the pom.xml of the project.



8) Use the Poll SCM feature of Jenkins to automate the build.

```

[[1;34mINFO]] [[1m--- [[0;32mmaven-jar-plugin:2.4:jar[[1m [[1m(default-jar)[[1m @ [[36mtest[[0;1m ---[[1m
[[1;34mINFO]] [[1m--- [[0;32mmaven-install-plugin:2.4:install[[1m [[1m(default-install)[[1m @ [[36mtest[[0;1m ---[[1m
[[1;34mINFO]] Installing /var/lib/jenkins/workspace/CI-CD Pipeline/target/test-0.0.1-SNAPSHOT.jar to /var/lib/jenkins/.m2/repository/test/test-0.0.1-SNAPSHOT.jar
[[1;34mINFO]] Installing /var/lib/jenkins/workspace/CI-CD Pipeline/pom.xml to /var/lib/jenkins/.m2/repository/test/test-0.0.1-SNAPSHOT/pom
[[1;34mINFO]] [[1m--- [[0;32mmaven-deploy-plugin:2.7:deploy[[1m [[1m(default-deploy)[[1m @ [[36mtest[[0;1m ---[[1m
Downloading from full_pipeline: http://localhost:8081/repository/full_pipeline/test/test-0.0.1-SNAPSHOT/maven-metadata.xml
Progress (1): 758 B

Downloaded from full_pipeline: http://localhost:8081/repository/full_pipeline/test/test-0.0.1-SNAPSHOT/maven-metadata.xml (758 B at 6.6 KB/s)
Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test-0.0.1-SNAPSHOT/test-0.0.1-20201119.173048-3.jar
Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test-0.0.1-SNAPSHOT/test-0.0.1-20201119.173048-3.jar (2.0 KB at 13 KB/s)
Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test-0.0.1-SNAPSHOT/test-0.0.1-20201119.173048-3.pom
Progress (1): 895 B

Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test-0.0.1-SNAPSHOT/test-0.0.1-20201119.173048-3.pom (895 B at 5.1 KB/s)
Downloaded from full_pipeline: http://localhost:8081/repository/full_pipeline/test/test/maven-metadata.xml
Progress (1): 268 B

Downloaded from full_pipeline: http://localhost:8081/repository/full_pipeline/test/test/maven-metadata.xml (268 B at 5.5 KB/s)
Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test/maven-metadata.xml
Progress (1): 758 B

Downloaded from full_pipeline: http://localhost:8081/repository/full_pipeline/test/test/maven-metadata.xml (268 B at 10.0 KB/s)
Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test/maven-metadata.xml
Progress (1): 268 B

Uploading to full_pipeline: http://localhost:8081/repository/full_pipeline/test/test/maven-metadata.xml (268 B at 3.6 KB/s)
[[1;34mINFO]] [[1m-----[[1m
[[1;34mINFO]] [[1;32mBUILD SUCCESS[[1m
[[1;34mINFO]] [[1m-----[[1m
[[1;34mINFO]] Total time: 2.566 s
[[1;34mINFO]] Finished at: 2020-11-19T23:00:48+05:30
[[1;34mINFO]] [[1m-----[[1m
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```

9) The pipeline will be built successfully.

Pipeline CI-CD Pipeline
CI-CD Project for building through nexus and maven using Jenkins

[Recent Changes](#)

Stage View

	Declarative: Checkout SCM	Clean	Test	Package	Deploy
Average stage times: (Average full run time: ~20s)	2s	2s	3s	3s	4s
Nov 19 23:00	2s	2s	3s	3s	4s

Permalinks

- Last build (#1), 27 sec ago
- Last stable build (#1), 27 sec ago
- Last successful build (#1), 27 sec ago
- Last completed build (#1), 27 sec ago

Build History

#	Build	Time
#1	Nov 19, 2020, 11:00 PM	

[Atom feed for all](#) [Atom feed for failures](#)

10) The built project will be visible in Nexus repository.

