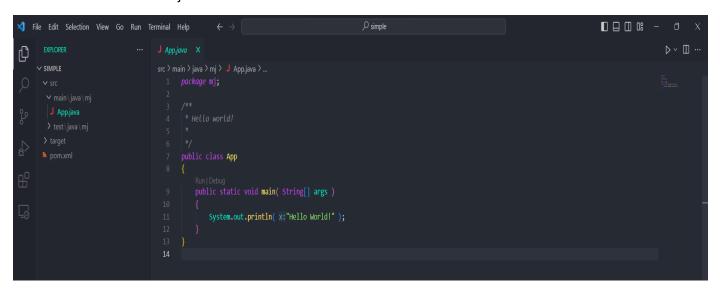
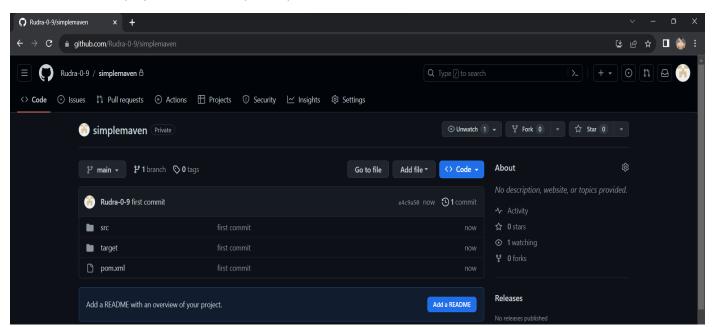
## Experiment -1 (Setting Up a Jenkins Job for Maven Build)

<u>Objective</u>: Create a Jenkins Job that builds a maven project using Jenkins and triggers build on changes in the version control repository.

1. Create a basic maven Project.



2. Push the Maven project to GitHub repository.



3. Create a Jenkins Pipeline

→ make sure that Maven Integration Plugin is installed in Jenkins



4. Check the GitHub project Checkbox and add GitHub Repo link.



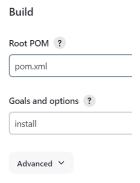
5. Check Git in the SCM checkbox list.



6. Ensure the Build trigger are setup



7. Add a pom file's path and maven command in the Build section.



8. Click on Build Now from the Pipeline Dashboard

## **⊘** Console Output

```
Started by user Rudra
 Running as SYSTEM
 Building in workspace C:\Pr{\text{ogramData}\left.\right.}
 Selected Git installation does not exist. Using Default
 The recommended git tool is: NONE
 No credentials specified
   > git rev-parse --resolve-git-dir C:\ProgramData\Jenkins\.jenkins\workspace\Lab1\.git # timeout=10
 Fetching changes from the remote \mbox{\it Git} repository
   > git config remote.origin.url https://github.com/Rudra-0-9/simplemaven # timeout=10
 Fetching upstream changes from https://github.com/Rudra-0-9/simplemaven
   > git --version # timeout=10
   > git --version # 'git version 2.42.0.windows.2'
   > git fetch --tags --force --progress -- https://github.com/Rudra-0-9/simplemaven +refs/heads/*:refs/remotes/origin/* # timeout=10
    > git rev-parse "refs/remotes/origin/main^{commit}" # timeout=10
 Checking out Revision 5be83b8e0ea0df3a8c799f78c65ae933f47e195c (refs/remotes/origin/main)
   > git config core.sparsecheckout # timeout=10
   > git checkout -f 5be83b8e0ea0df3a8c799f78c65ae933f47e195c # timeout=10
 Commit message: "Update maven.yml"
 First time build. Skipping changelog.
 Parsing POMs
 Discovered a new module mj:simple simple
Modules changed, recalculating dependency graph
 Established TCP socket on 50352
 [Lab1] \ \ \ java -cp \ C:\ProgramData\Jenkins\, jenkins\plugins\mbox{\mbox{$\mbox{$WB-INF}$}lib\mbox{\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mbox{$\mb
1.14. jar; C: \PogramData \end{a} Jenkins \end{a} jenkins \end{a} lation \end{a} wen \end{a} boot \end{a} lation \end{a} lati
 2.7.0. jar; C: \PogramData \ Jenkins \ Lools \ hudson. tasks. Maven\_MavenInstallation \ Maven/conf/logging jenkins. maven 3. agent. Maven 35 Main \ Lools \ hudson. tasks. Maven\_MavenInstallation \ Maven/conf/logging jenkins. maven 3. agent. Maven 35 Main \ Lools \ hudson. Tasks. Maven\_Maven \ Lools \ hudson. Tasks. Maven\_Maven\_Maven \ Lools \ hudson. Tasks. Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Maven\_Ma
```