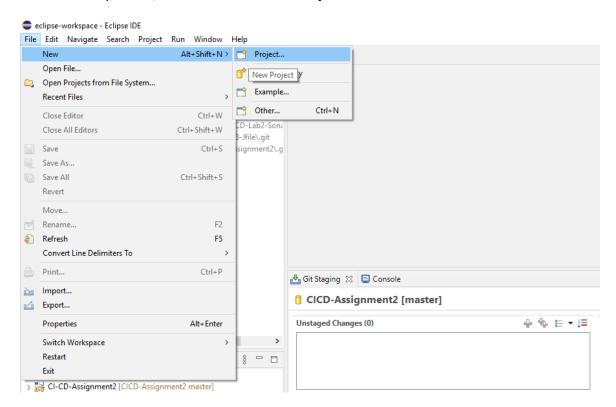
Name: Prashasti Gupta

Roll No: R171218077

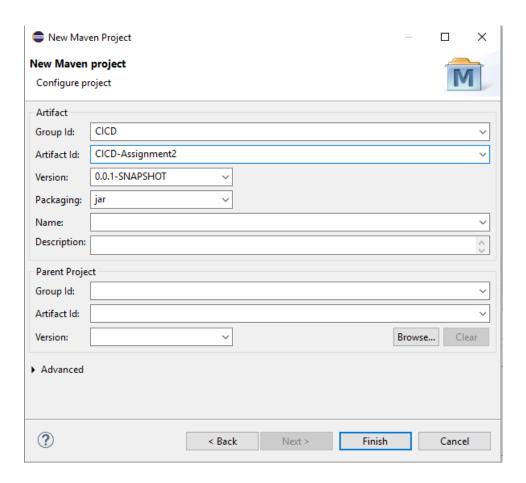
SAP ID: 500068493

## **Assignment: 02**

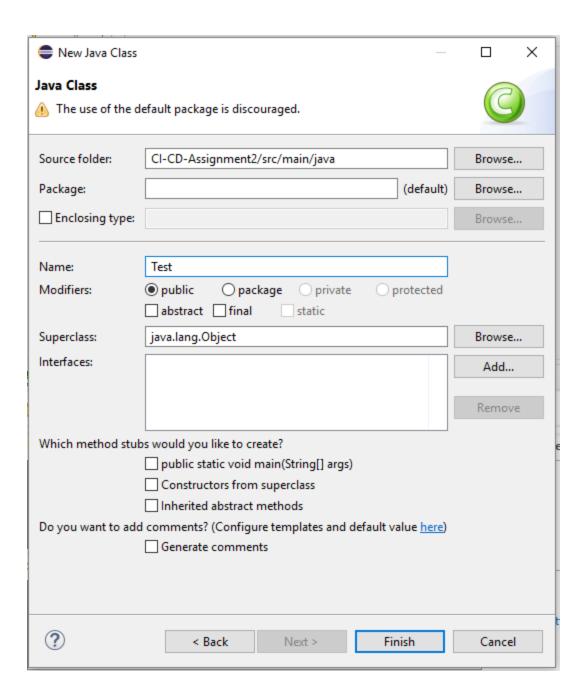
1. On the Eclipse IDE, create a new Maven Project.



2. Give a Group ID and a artifact ID to the project. Click on Finish.

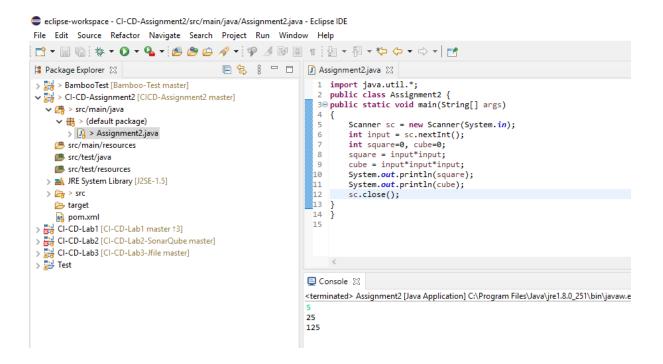


3. Now, right click on the project, click on New and then select Class. After that, you will be prompted to give a name to the class. Finally, click on Finish.

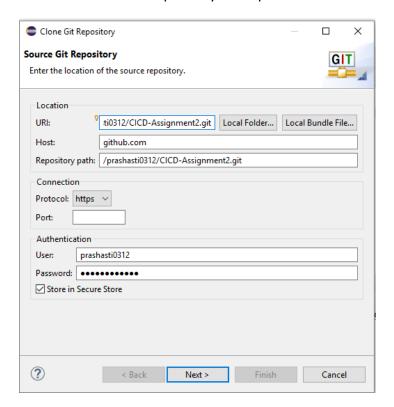


## 4. Add the Java code to the above created class.

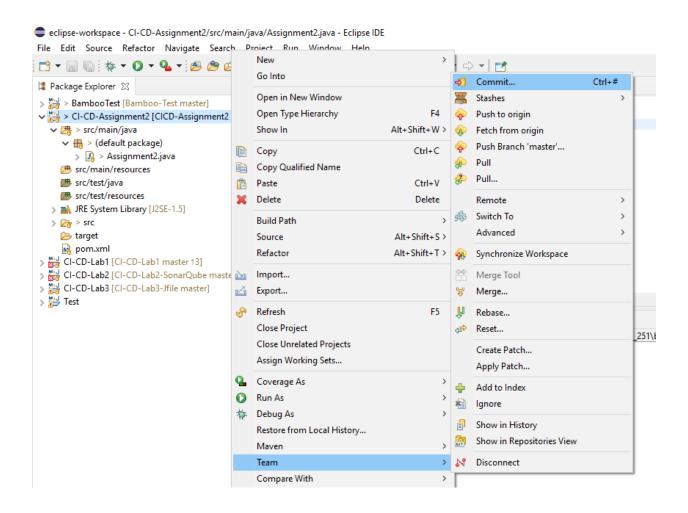
Here, I have created a program in which user will give a number as an input. The square and cube of that number will be calculated and displayed on the screen.

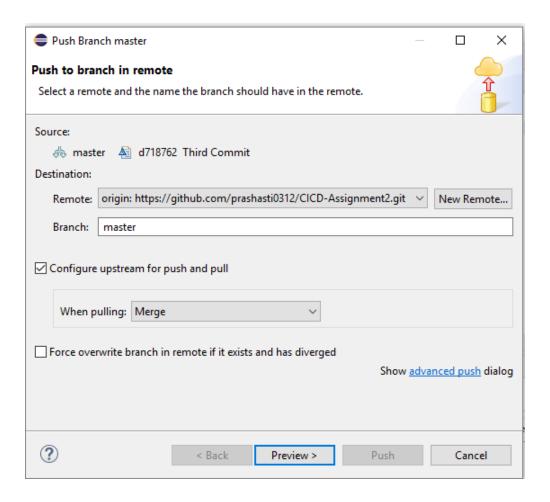


- 5. Create a new GitHub repository to which the maven project will be pushed.
- 6. Clone the GitHub repository in Eclipse IDE.

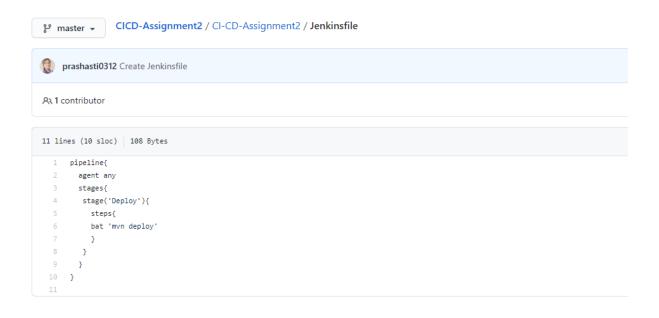


7. Now, link this maven project to GitHub repository. Move all the unstaged changes to staging area and finally click on Commit and Push.

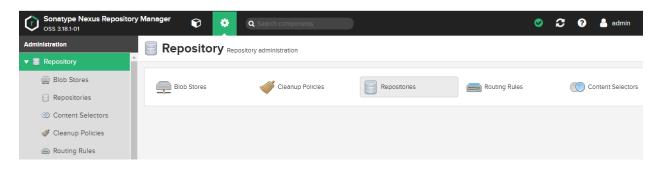


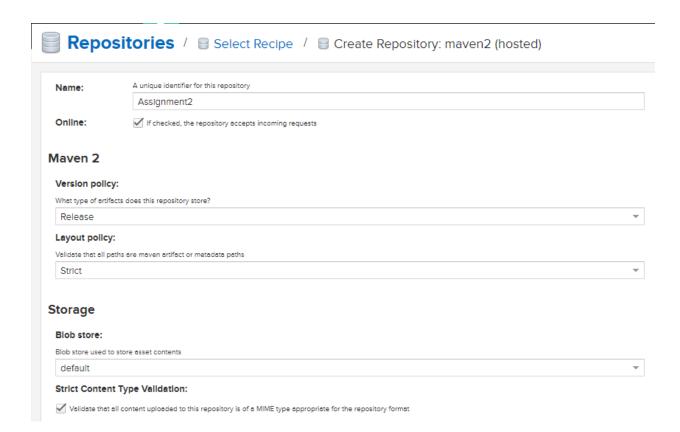


8. Now, create a Jenkinsfile in the GitHub repository.



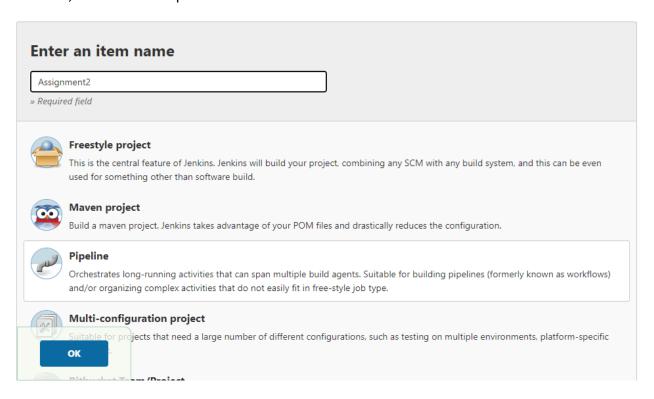
- 9. Open Command Prompt and start the nexus server by using the command nexus.exe /run.
- 10. Create a maven hosted repository on Nexus.



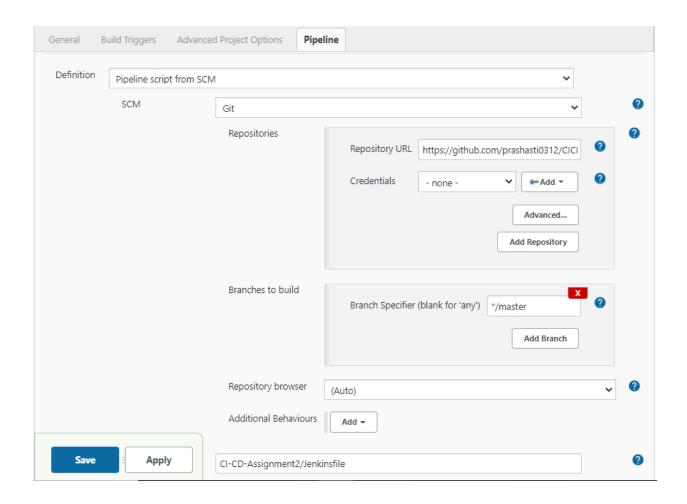


11. Now, add the distributionManagement tag to the pom.xml file of the maven project. Push the changes to GitHub.

- 12. Start the Jenkins service by using the command- java -jar Jenkins.war.
- 13. Now, create a new Pipeline in Jenkins.



14. Now, scroll down to the Pipeline section and then provide the URL of the GitHub repository as well as the path to the Jenkinsfile.



15. Click on Build Now.

16. After the build is successful, the artifact will be pushed to Nexus.

