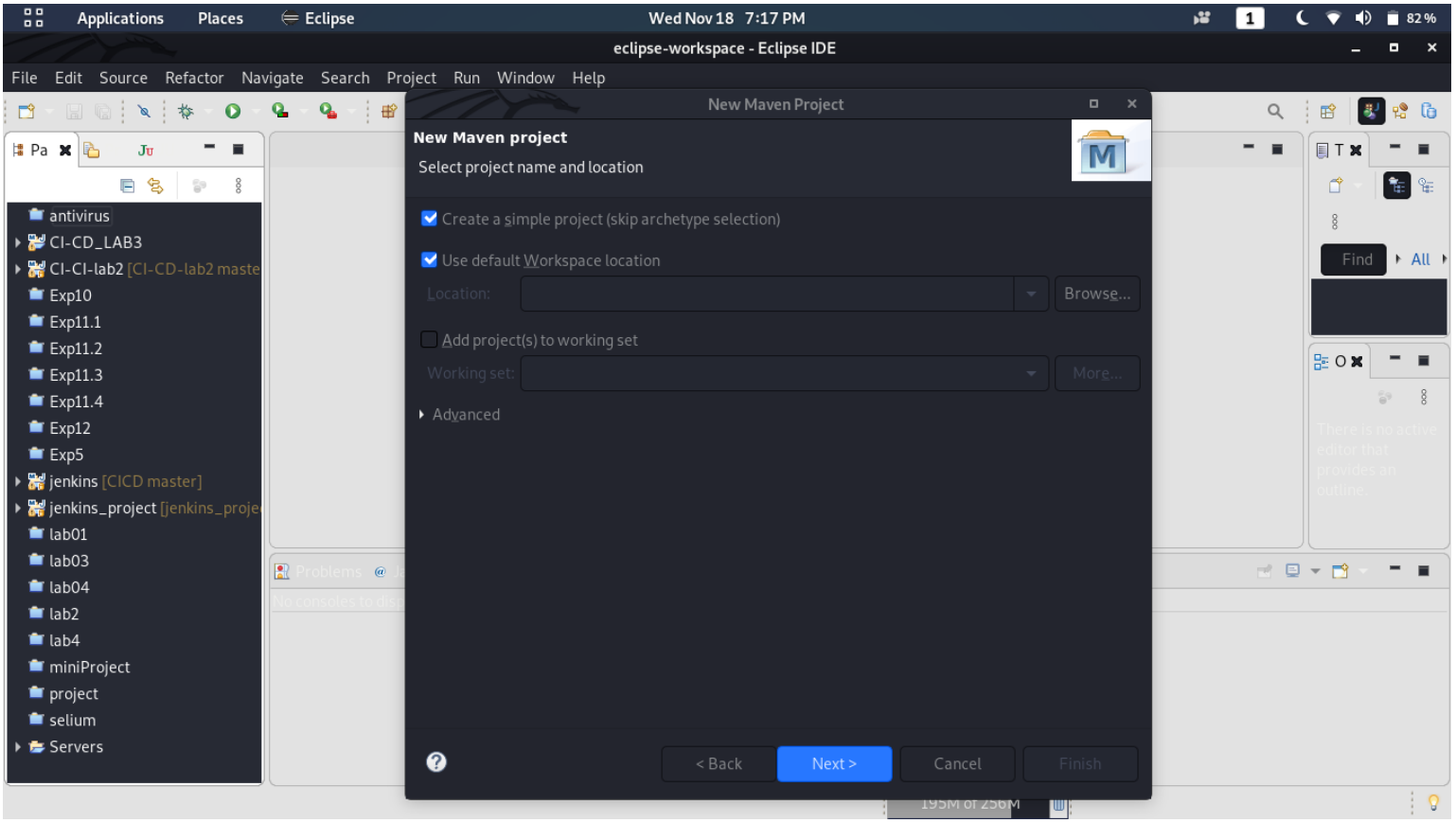
NIPUN SINGAL
R171218069
500069052

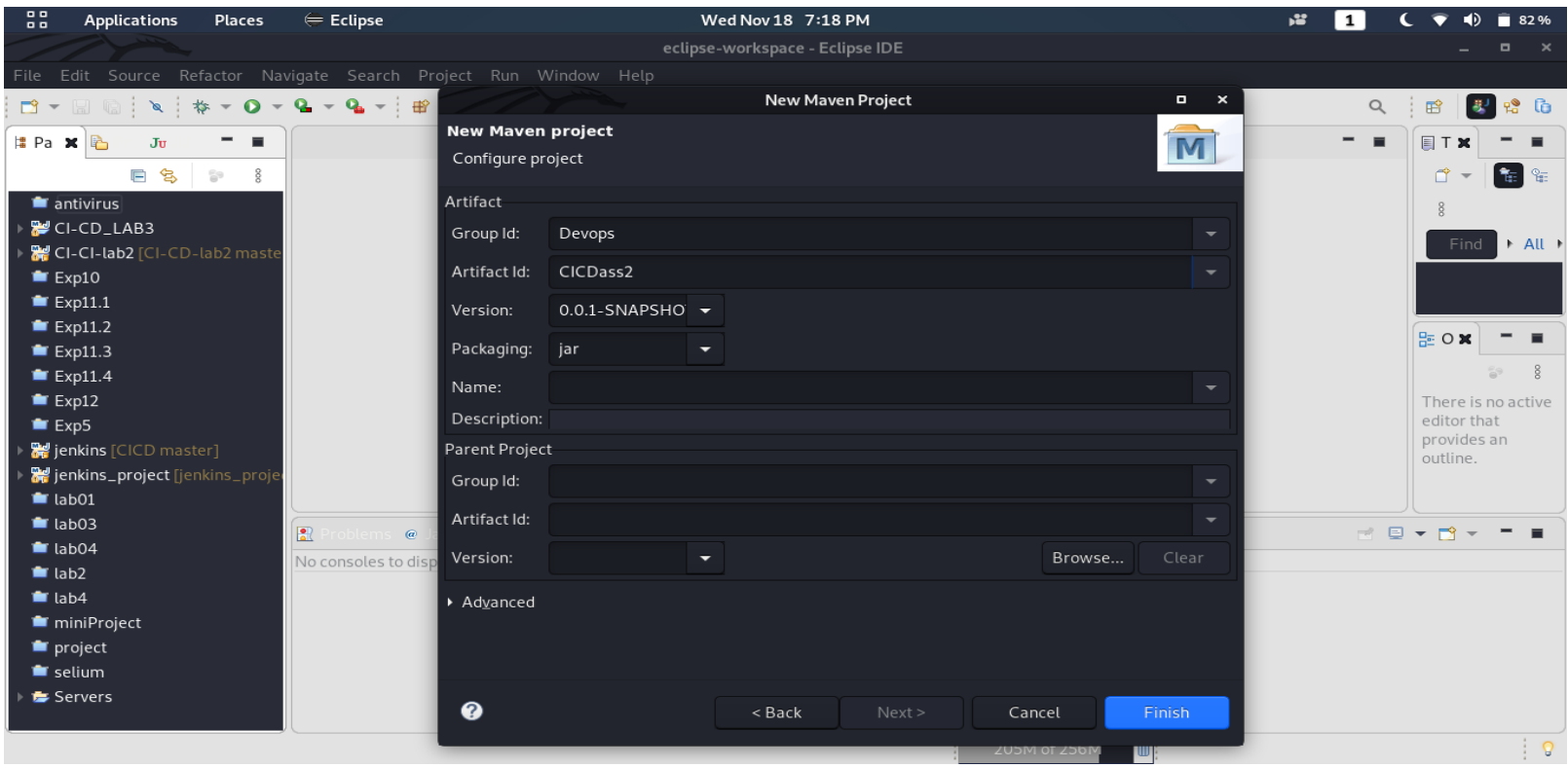
ASSIGNMENT-2

MAVEN, GITHUB, JENKINS & NEXUS

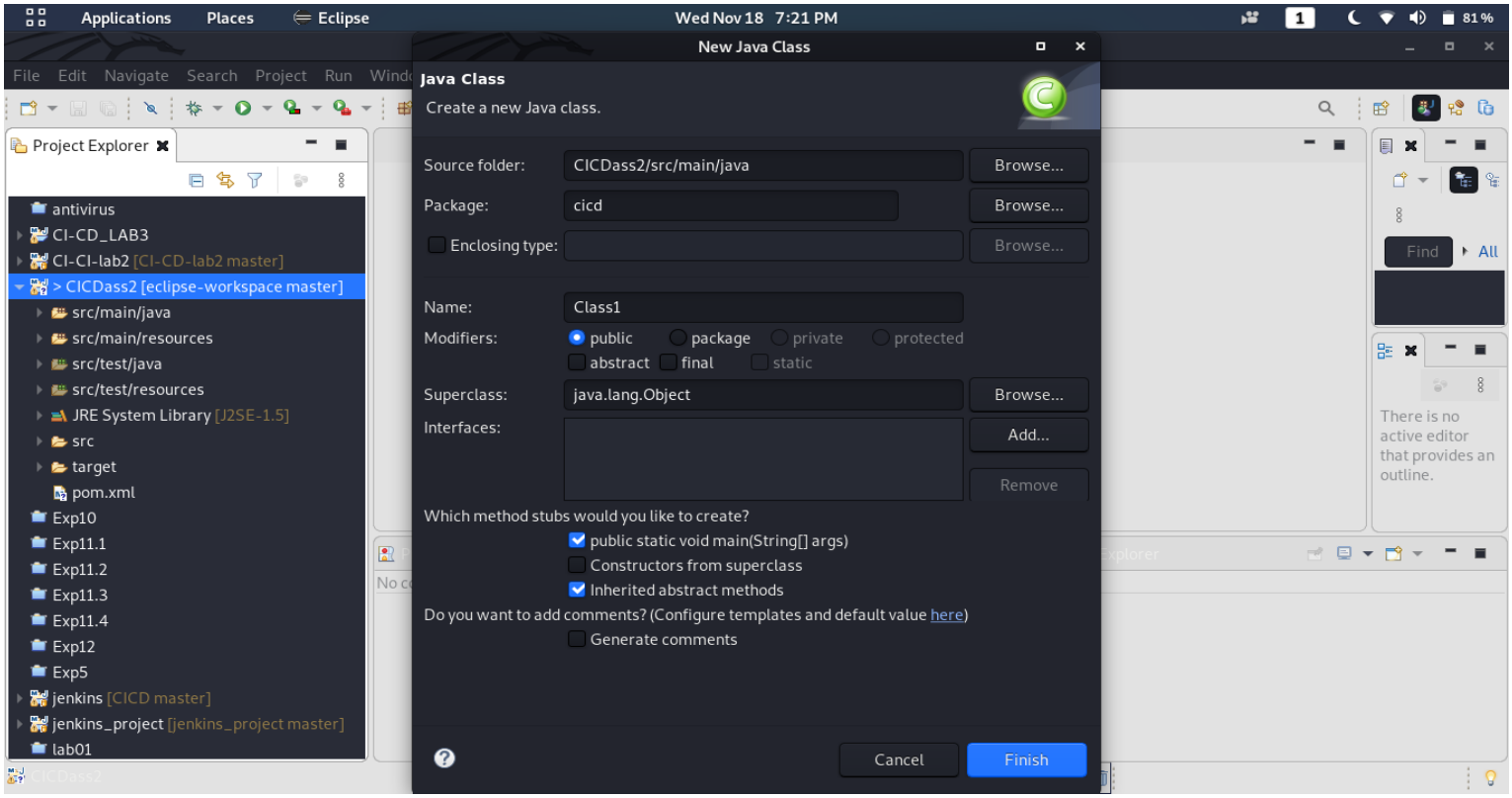
STEP1- Open eclipse and choose the maven project



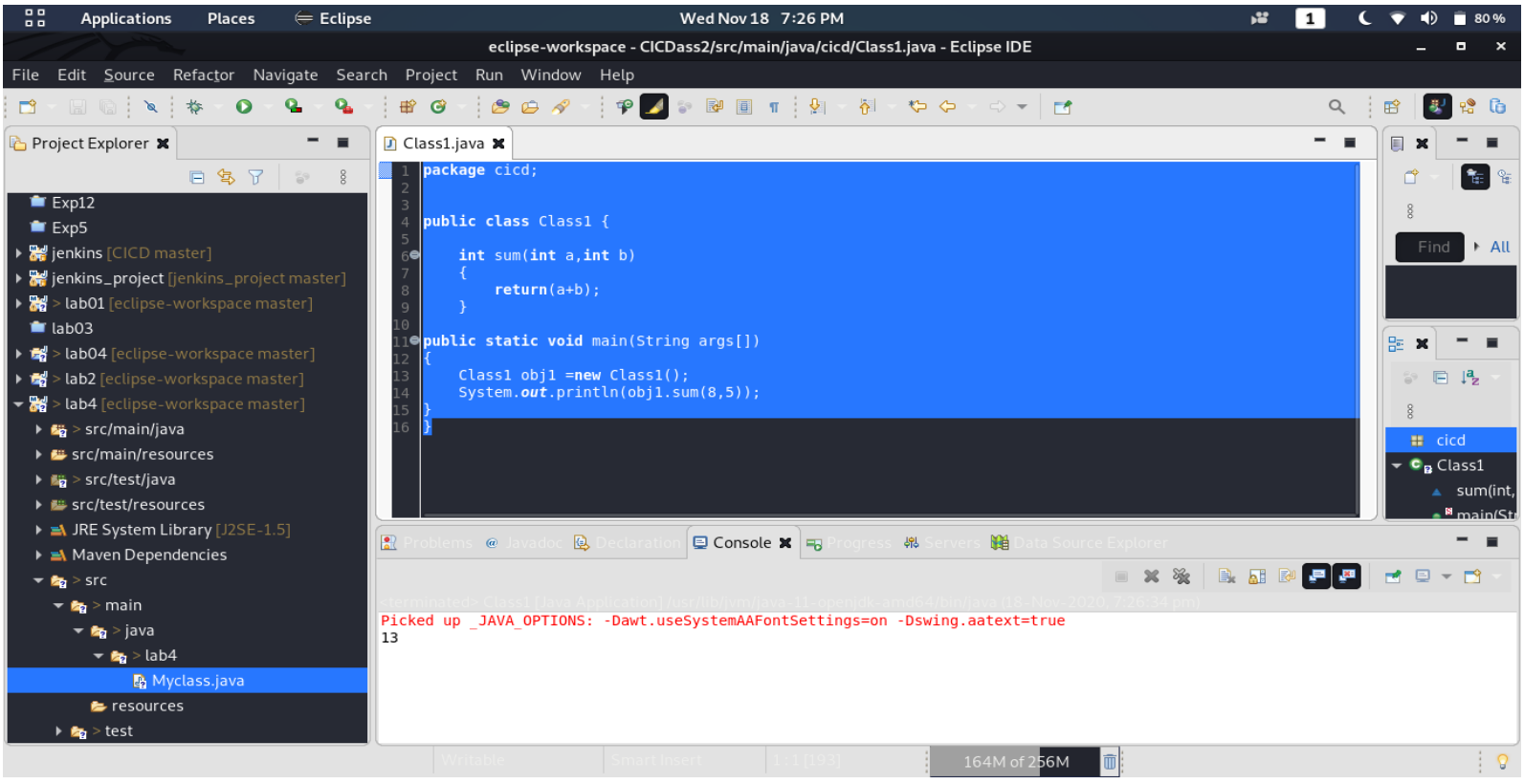
STEP2- Add the artifact id and group id and other details.



STEP3- Now right click on your project and go to new option and choose class

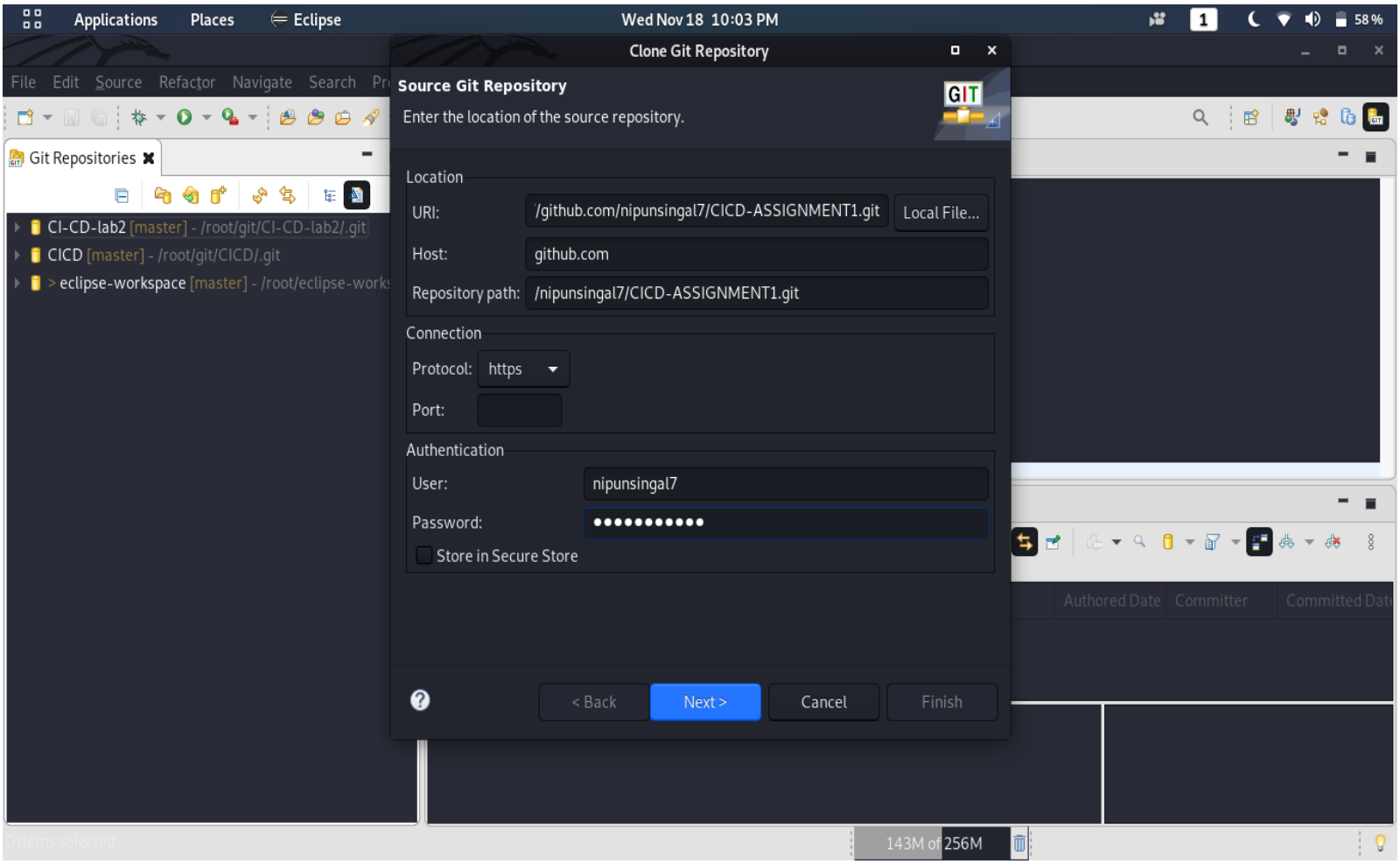


STEP4- Write a working code in this class

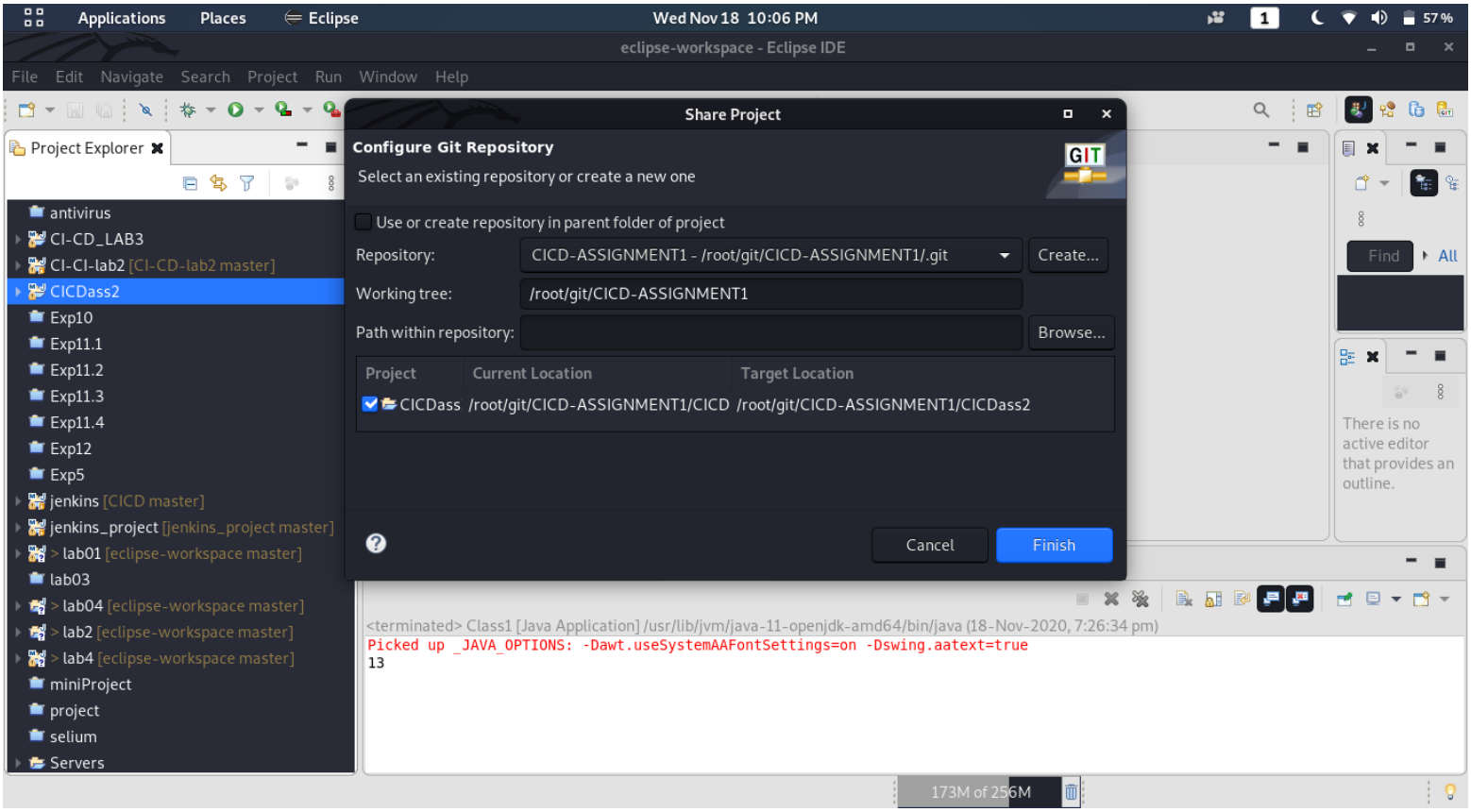


STEP5- Now make a git repository where you will push this code

STEP6- Now clone the git repository in the eclipse



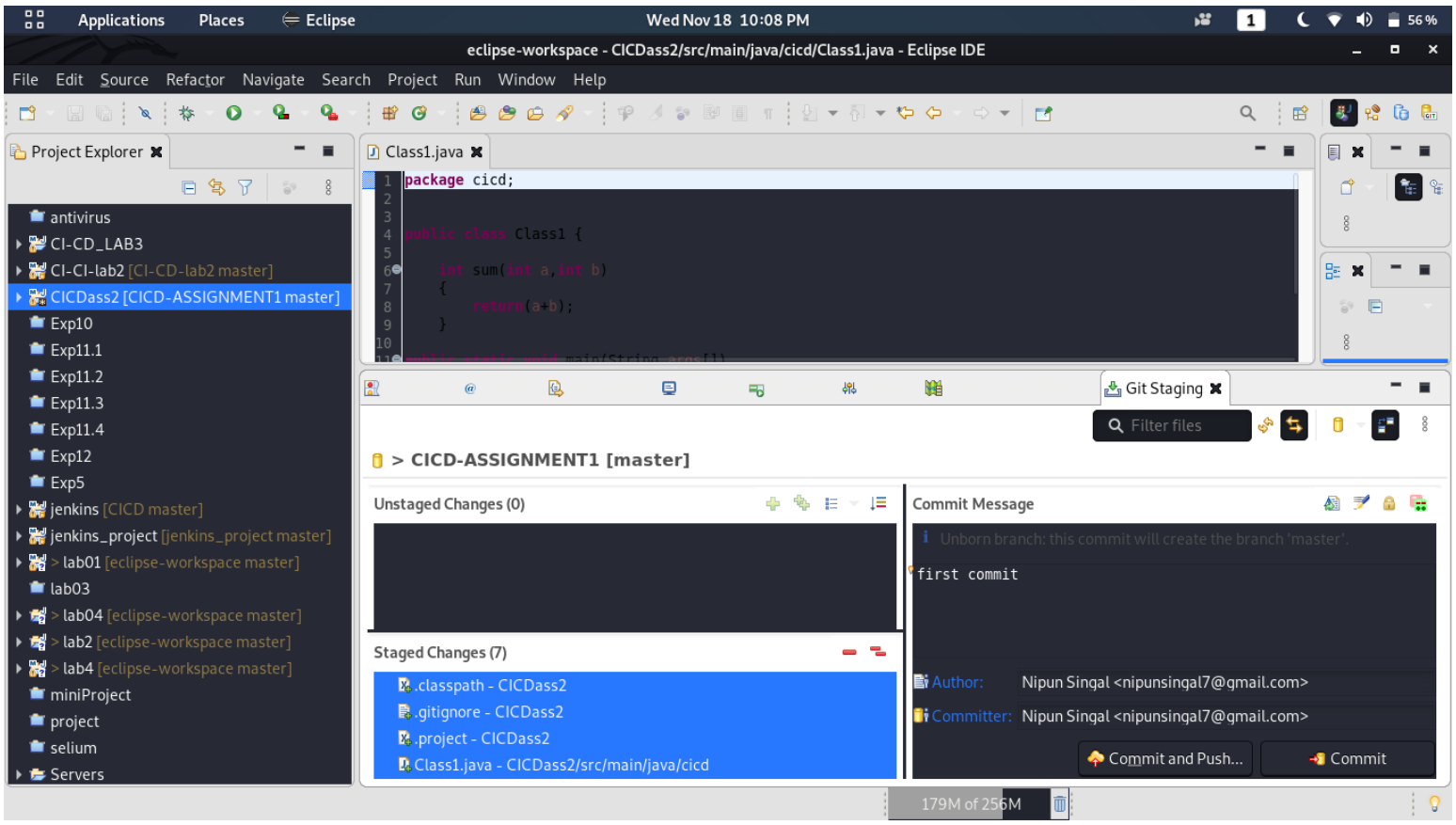
STEP7- Now right click on the project and go to team option and then select share option. Now select the git repository that you have created from the drop down list and click finish.

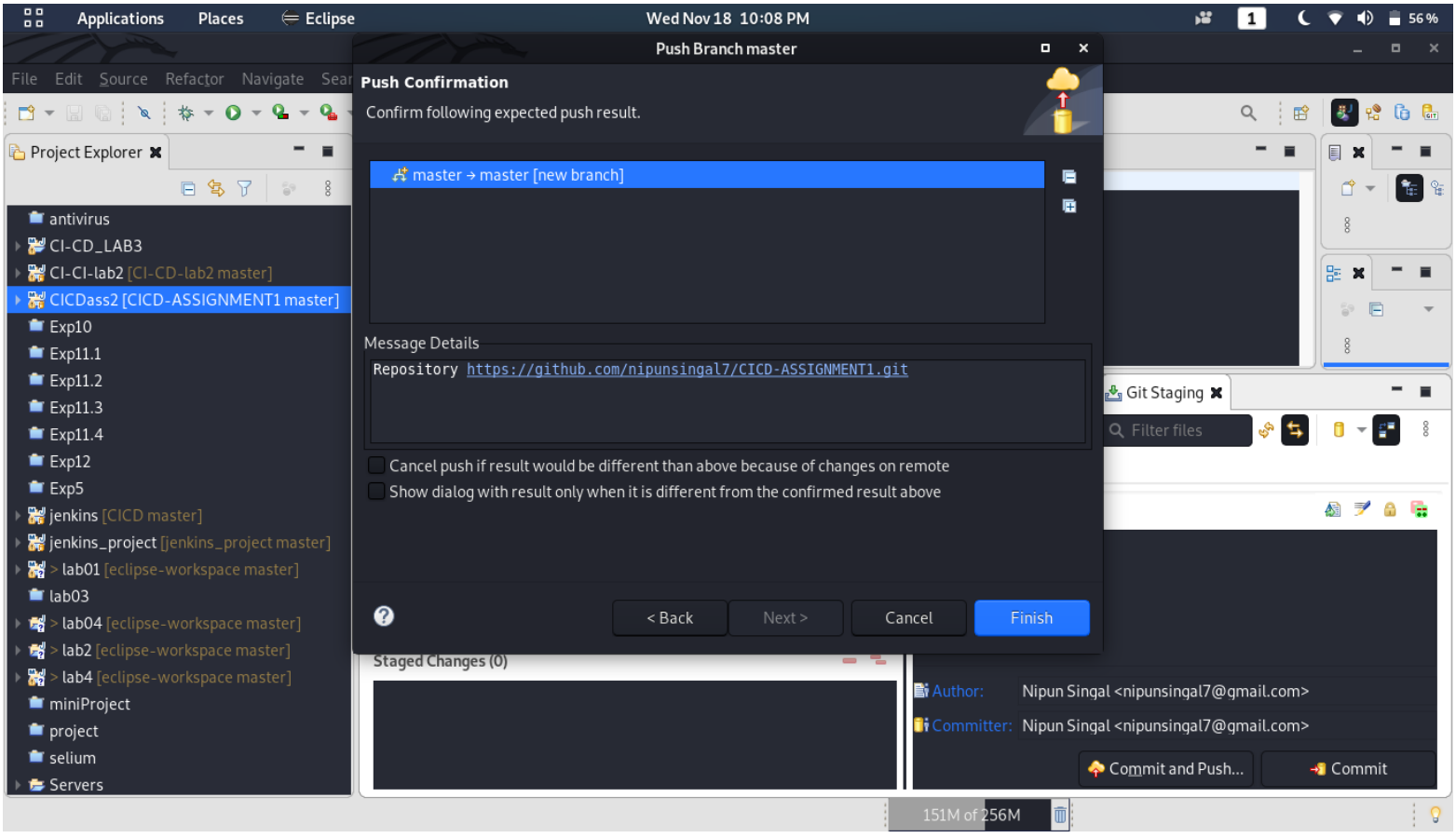


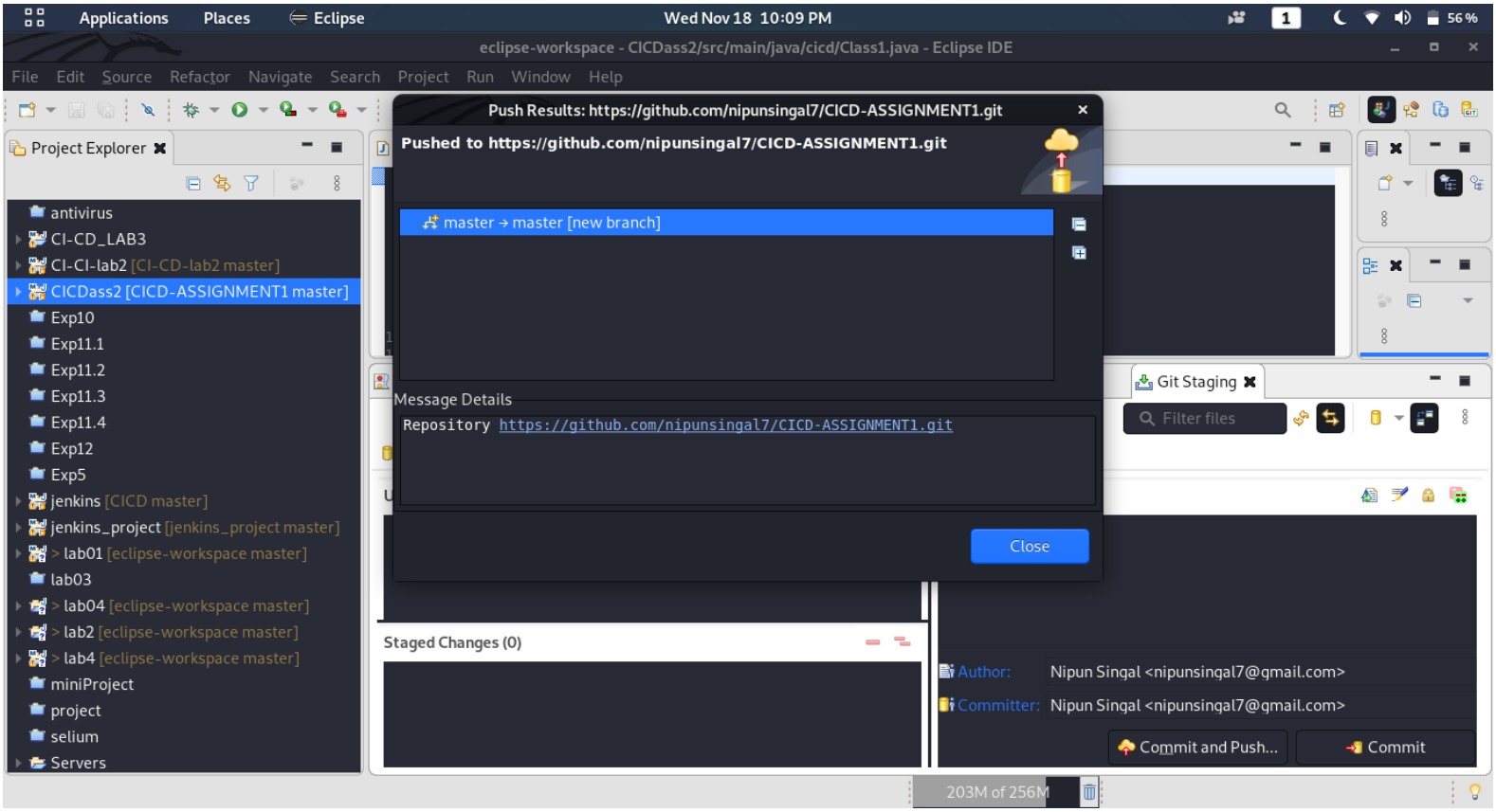
STEP8- Again right click on the project and go to team option and now select commit option. Select all the files and put them in staged changes section.

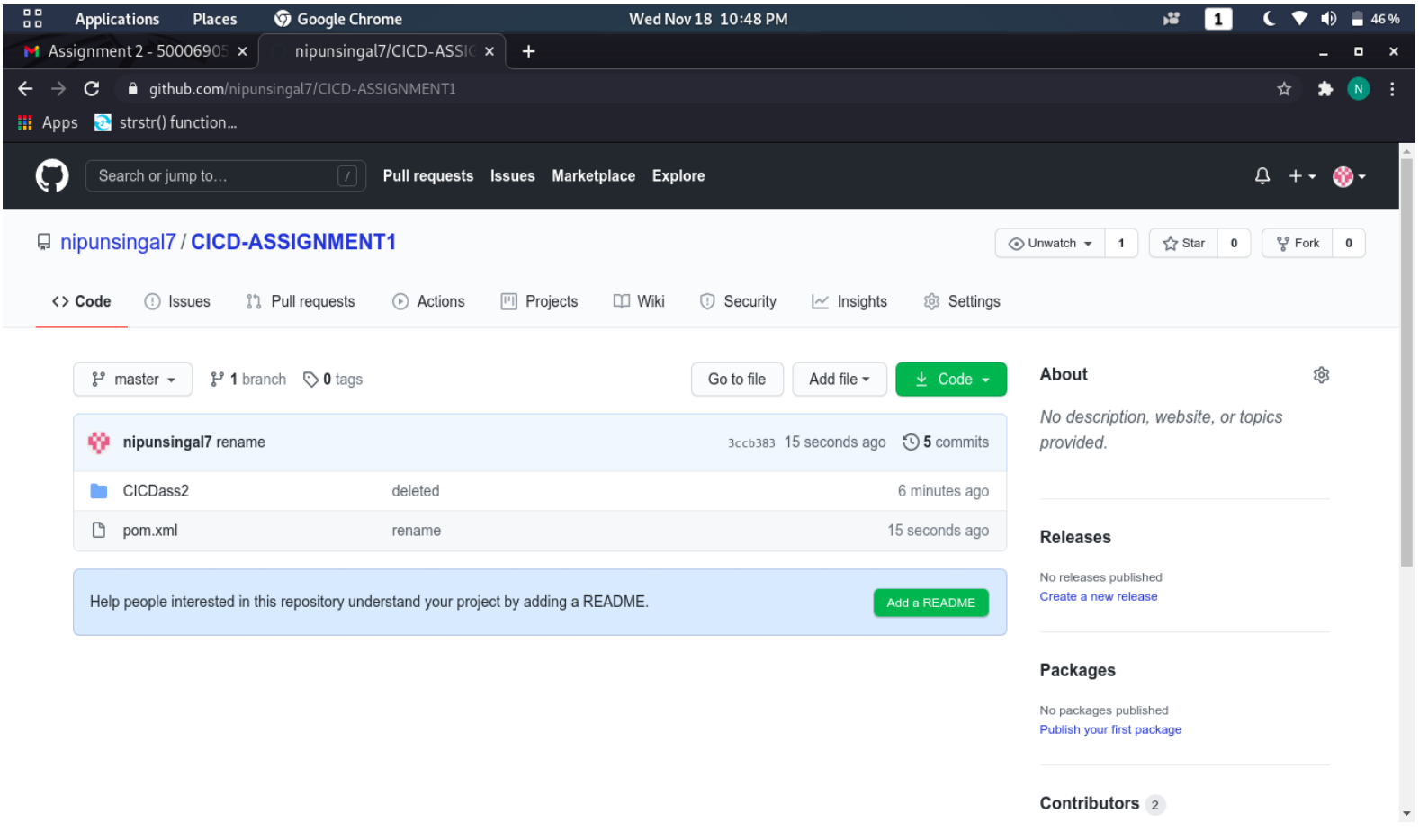
STEP9- Now add a commit message and click commit and push button.

STEP10- Enter your github credentials and click finish

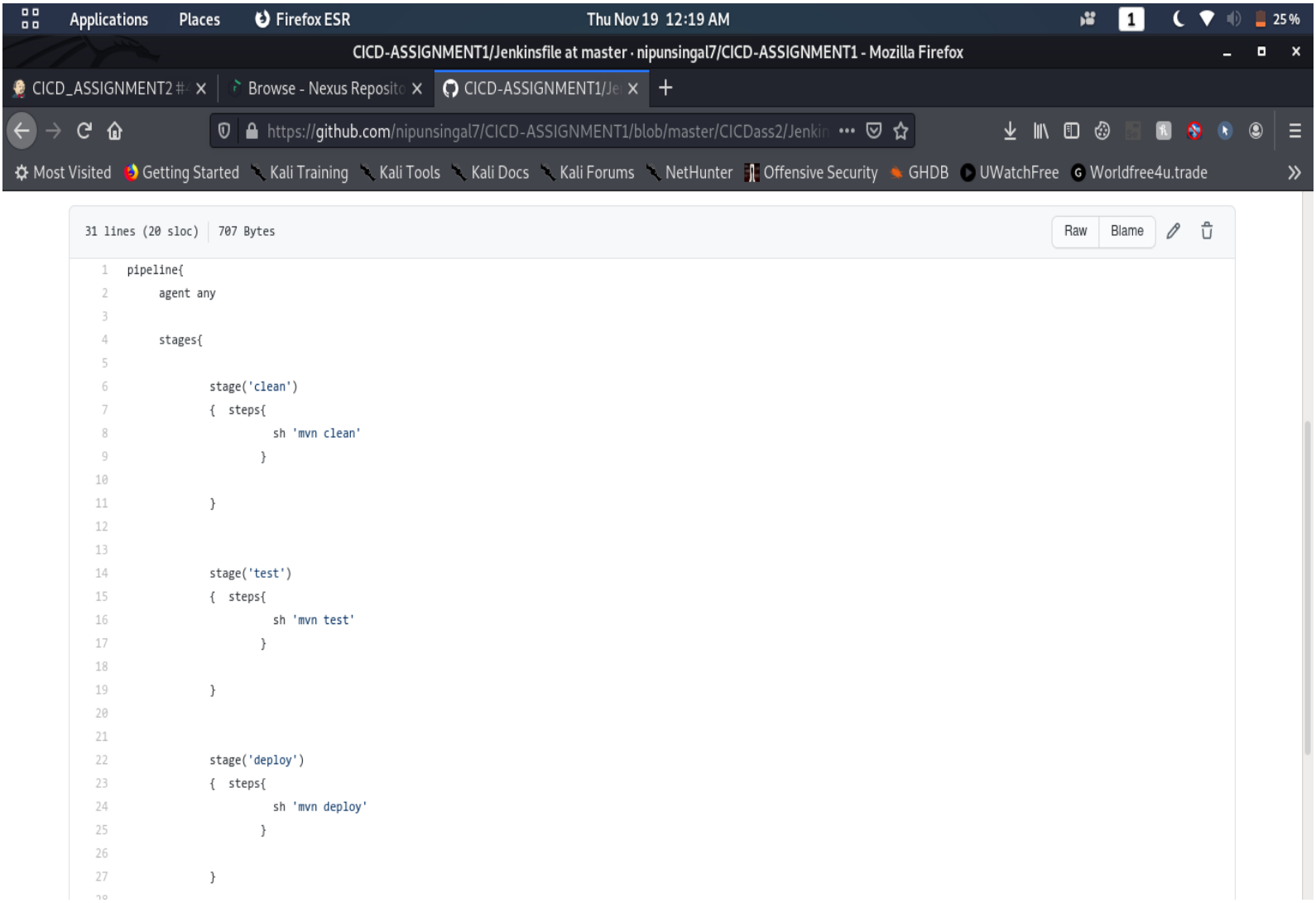

Applications
Places
Eclipse
Wed Nov 18 10:08 PM
56 %
eclipse-workspace - CICDass2/src/main/java/cicd/Class1.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer
antivirus
CI-CD_LAB3
CI-CI-lab2 [CI-CD-lab2 master]
CICDass2 [CICD-ASSIGNMENT1 master]
Exp10
Exp11.1
Exp11.2
Exp11.3
Exp11.4
Exp12
Exp5
jenkins [CICD master]
jenkins_project [jenkins_project master]
> lab01 [eclipse-workspace master]
lab03
> lab04 [eclipse-workspace master]
> lab2 [eclipse-workspace master]
> lab4 [eclipse-workspace master]
miniProject
project
selium
Servers
Class1.java
package cicd;
public class Class1 {
int sum(int a,int b)
{
return(a+b);
}
Git Staging
Filter files
> CICD-ASSIGNMENT1 [master]
Unstaged Changes (0)
Commit Message
Unborn branch: this commit will create the branch 'master'.
first commit
Staged Changes (7)
.classpath - CICDass2
.gitignore - CICDass2
.project - CICDass2
Class1.java - CICDass2/src/main/java/cicd
Author: Nipun Singal <nipunsingal7@gmail.com>
Committer: Nipun Singal <nipunsingal7@gmail.com>
Commit and Push...
Commit
179M of 256M


Applications
Places
Eclipse
Wed Nov 18 10:08 PM
56 %
Push Branch master
Push Confirmation
Confirm following expected push result.
master → master [new branch]
Message Details
Repository https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git
Cancel push if result would be different than above because of changes on remote
Show dialog with result only when it is different from the confirmed result above
< Back
Next >
Cancel
Finish
Project Explorer
Git Staging
Filter files
Staged Changes (0)
Author: Nipun Singal <nipunsingal7@gmail.com>
Committer: Nipun Singal <nipunsingal7@gmail.com>
Commit and Push...
Commit
151M of 256M

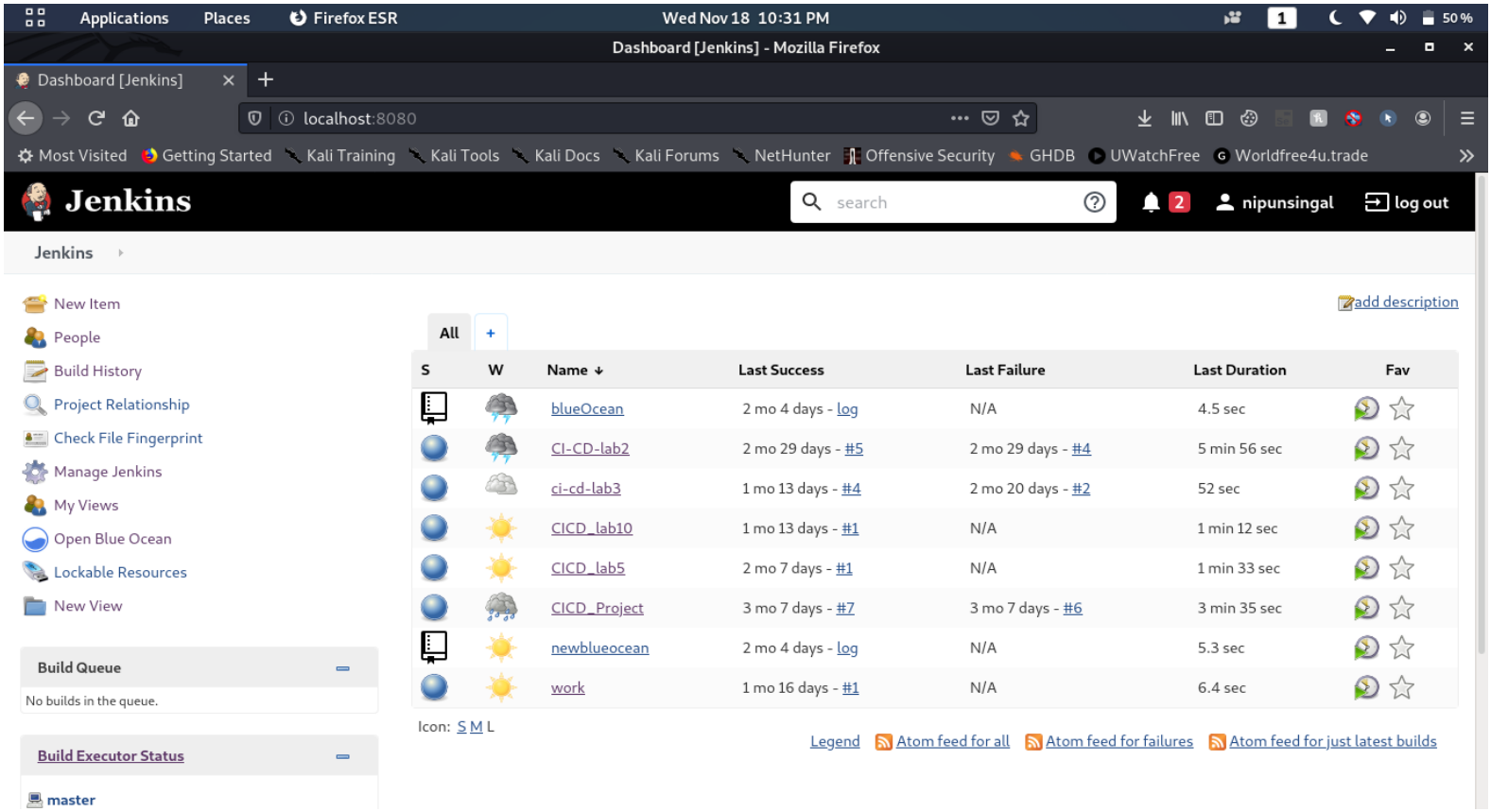

Applications
Places
Eclipse
Wed Nov 18 10:09 PM
eclipse-workspace - CICDass2/src/main/java/cicd/Class1.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Push Results: https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git
Pushed to https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git
master → master [new branch]
Message Details
Repository https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git
Close
Project Explorer
antivirus
CI-CD_LAB3
CI-CI-lab2 [CI-CD-lab2 master]
CICDass2 [CICD-ASSIGNMENT1 master]
Exp10
Exp11.1
Exp11.2
Exp11.3
Exp11.4
Exp12
Exp5
jenkins [CICD master]
jenkins_project [jenkins_project master]
lab01 [eclipse-workspace master]
lab03
lab04 [eclipse-workspace master]
lab2 [eclipse-workspace master]
lab4 [eclipse-workspace master]
miniProject
project
selium
Servers
Git Staging
Filter files
Staged Changes (0)
Author: Nipun Singal <nipunsingal7@gmail.com>
Committer: Nipun Singal <nipunsingal7@gmail.com>
Commit and Push...
Commit
203M of 256M


Applications
Places
Google Chrome
Wed Nov 18 10:48 PM
Assignment 2 - 50006905
nipunsingal7/CICD-ASSIC
github.com/nipunsingal7/CICD-ASSIGNMENT1
Apps
strstr() function...
Search or jump to...
Pull requests
Issues
Marketplace
Explore
nipunsingal7 / CICD-ASSIGNMENT1
Unwatch 1
Star 0
Fork 0
Code
Issues
Pull requests
Actions
Projects
Wiki
Security
Insights
Settings
master
1 branch
0 tags
Go to file
Add file
Code
nipunsingal7 rename
3ccb383 15 seconds ago
5 commits
CICDass2 deleted 6 minutes ago
pom.xml rename 15 seconds ago
Help people interested in this repository understand your project by adding a README.
Add a README
About
No description, website, or topics provided.
Releases
No releases published
Create a new release
Packages
No packages published
Publish your first package
Contributors 2

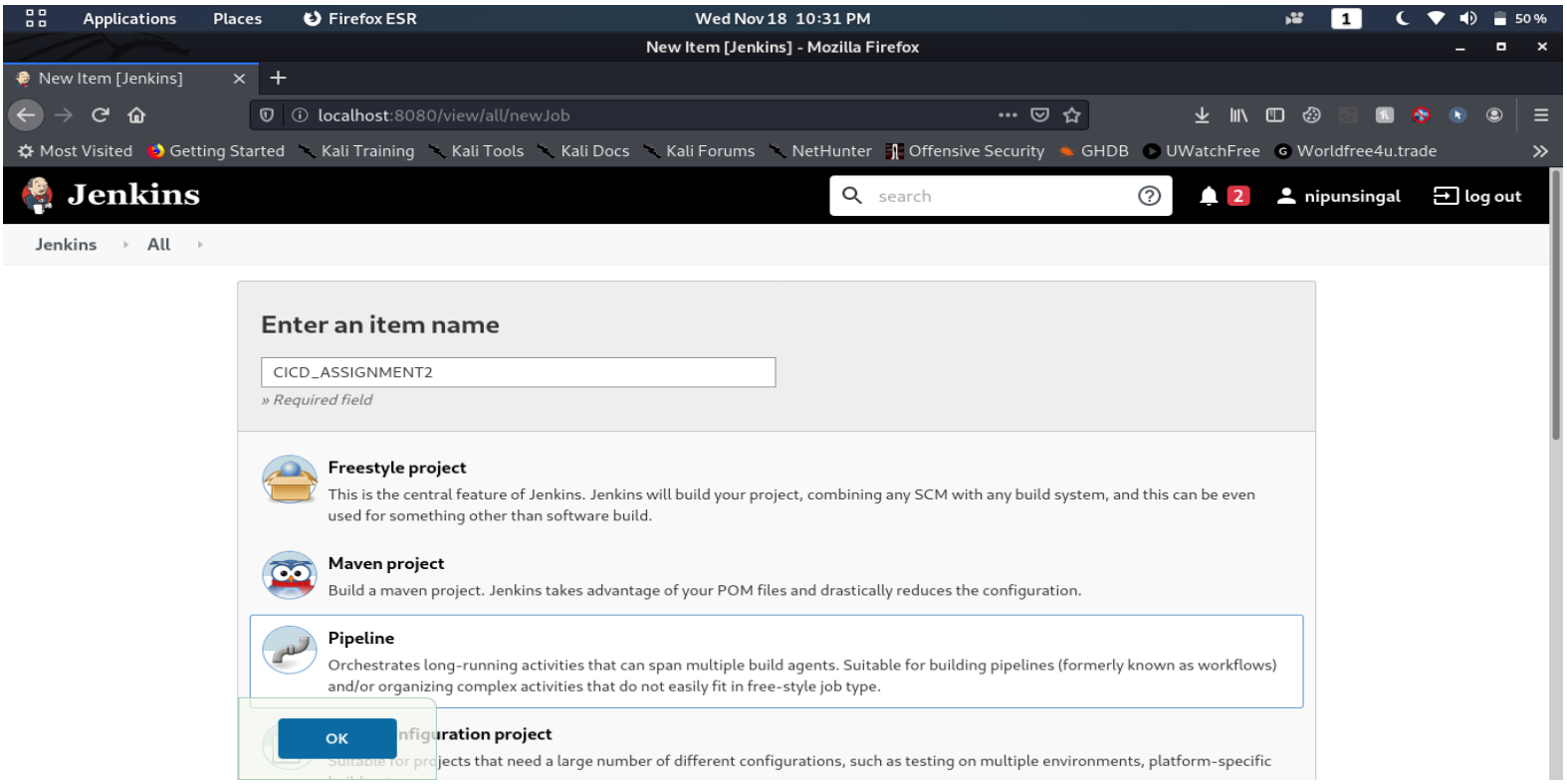
STEP11- Go to your github repository and create a new file there name Jenkinsfile. And add the below content in it. You can choose the stages of your choice.



STEP12- Now open Jenkins

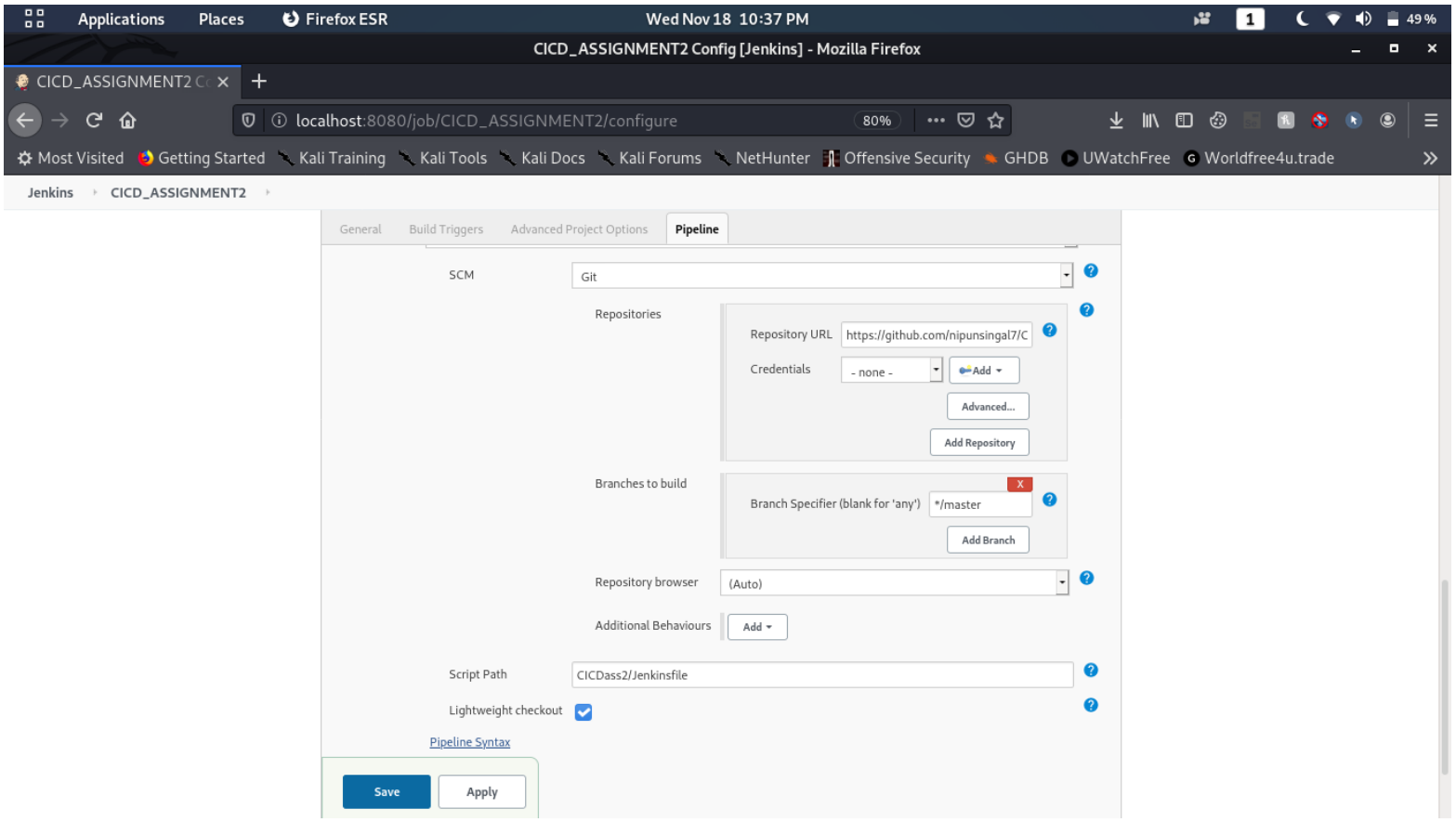


STEP13- Now go to new item from left and enter the item name and select pipeline and click ok



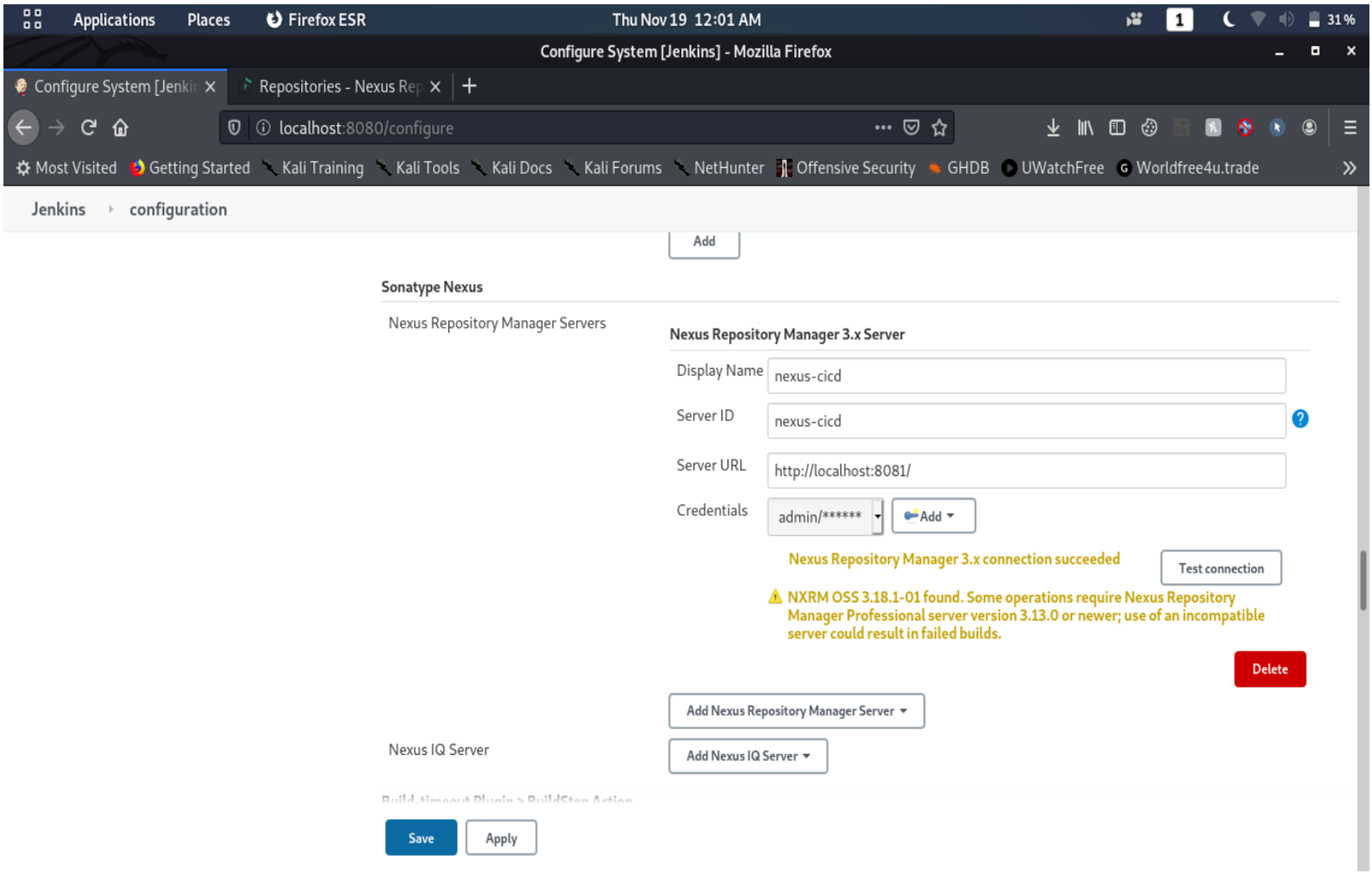
STEP14- Now settings will be open automatically. Go to pipeline tab.

STEP15-Select git in SCM. Put your github repository URL in the box. Now add the path of your Jenkinsfile in script path. Now click save

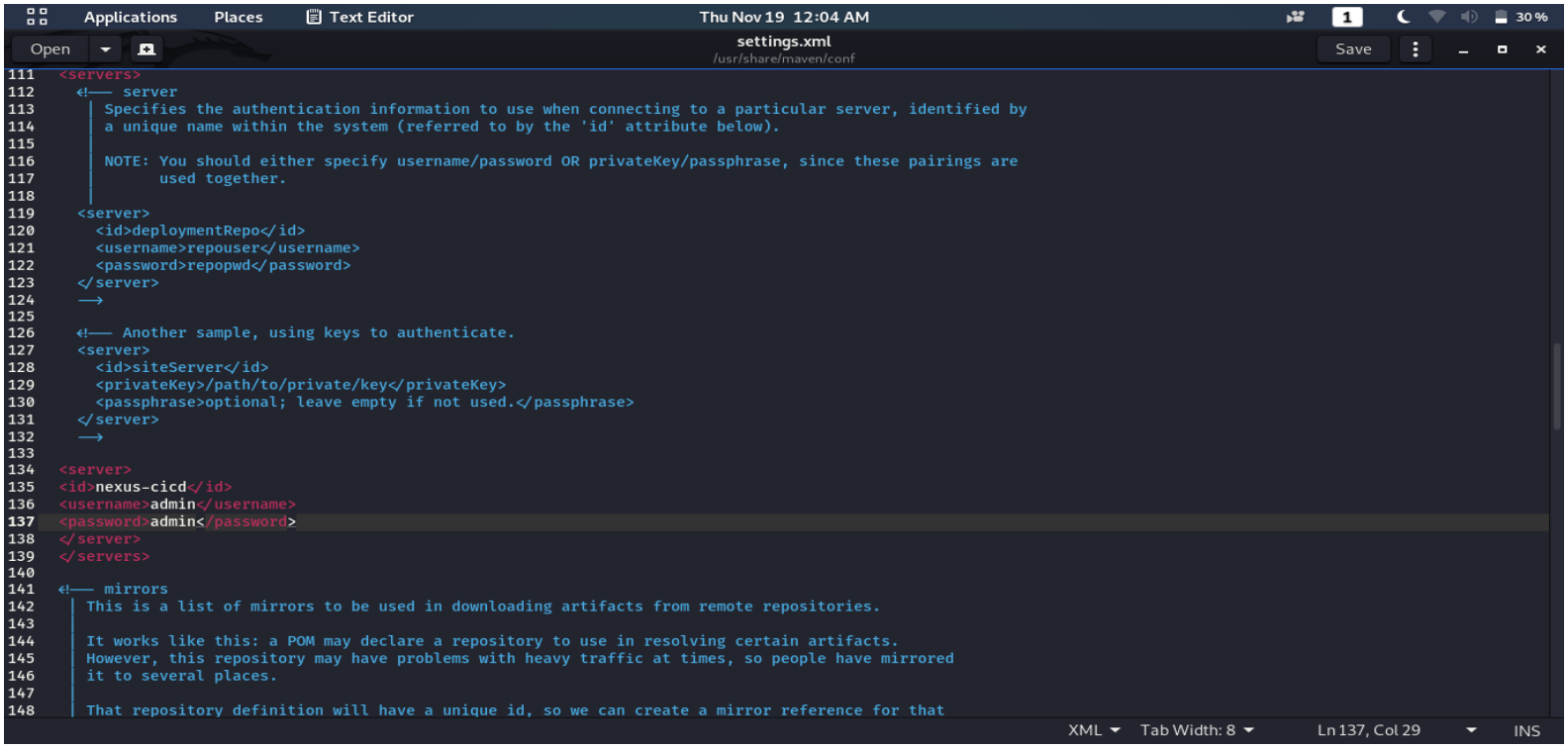


STEP16- Go to dashboard of Jenkins and select manage Jenkins option from the left. Now select system configuration option.

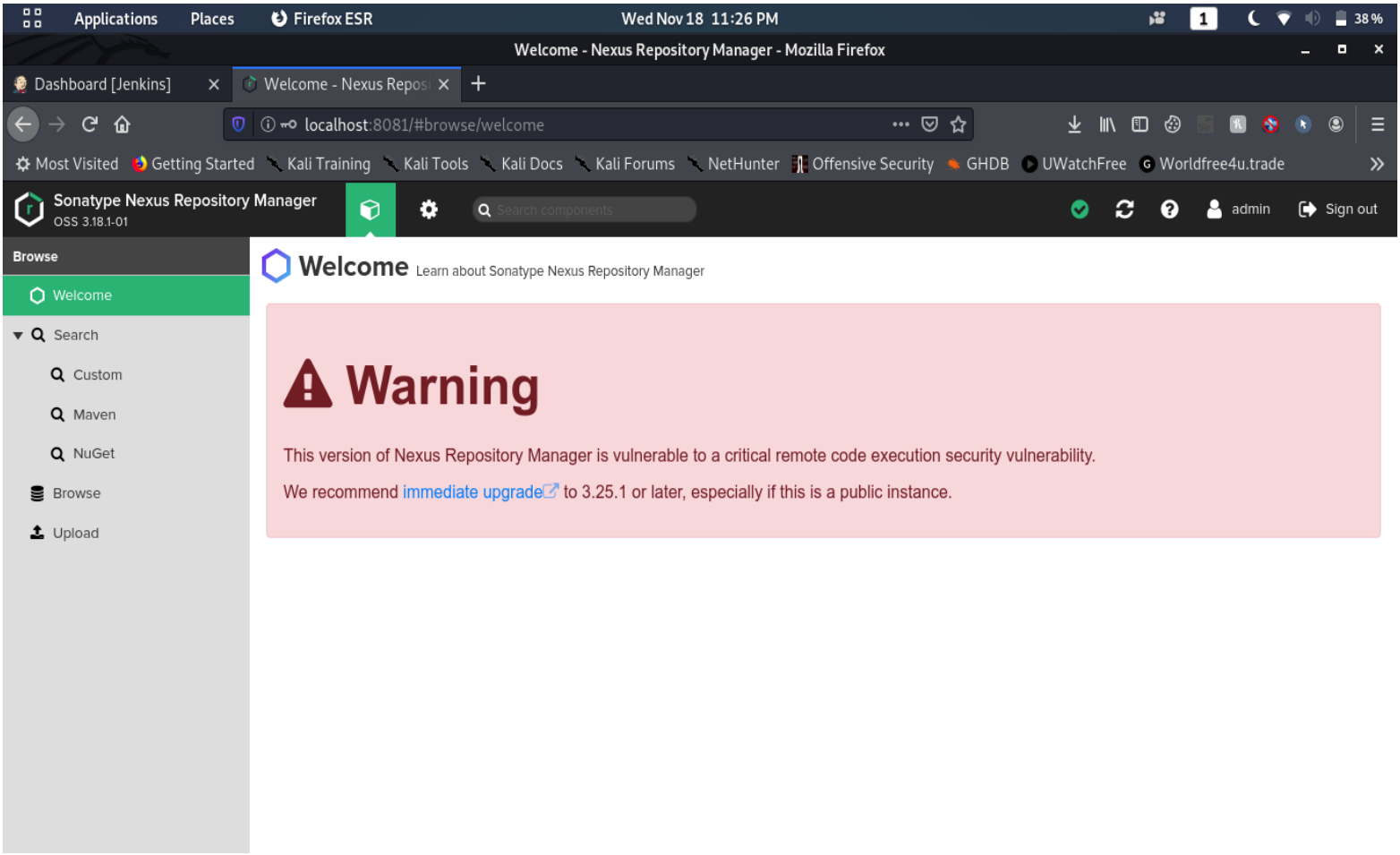
STEP17- Scroll down to the sonatype nexus and enter the details. Perform 18th step and then come back on this screen and click on test connection button to check the connection is working or not.



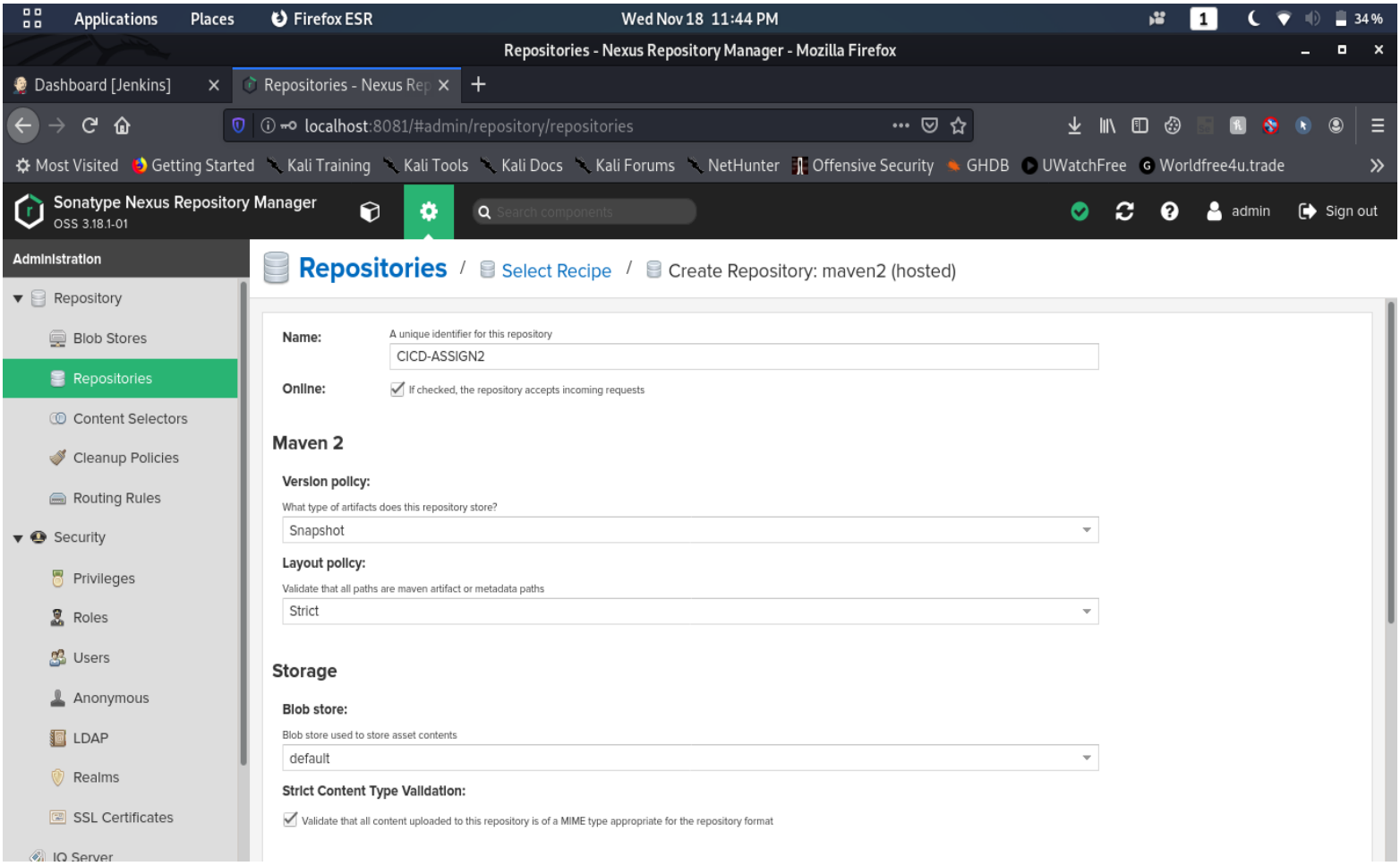
STEP18- Go to the maven setting.xml file and edit it. Write the <server> tag in <servers> tag in it as shown below.



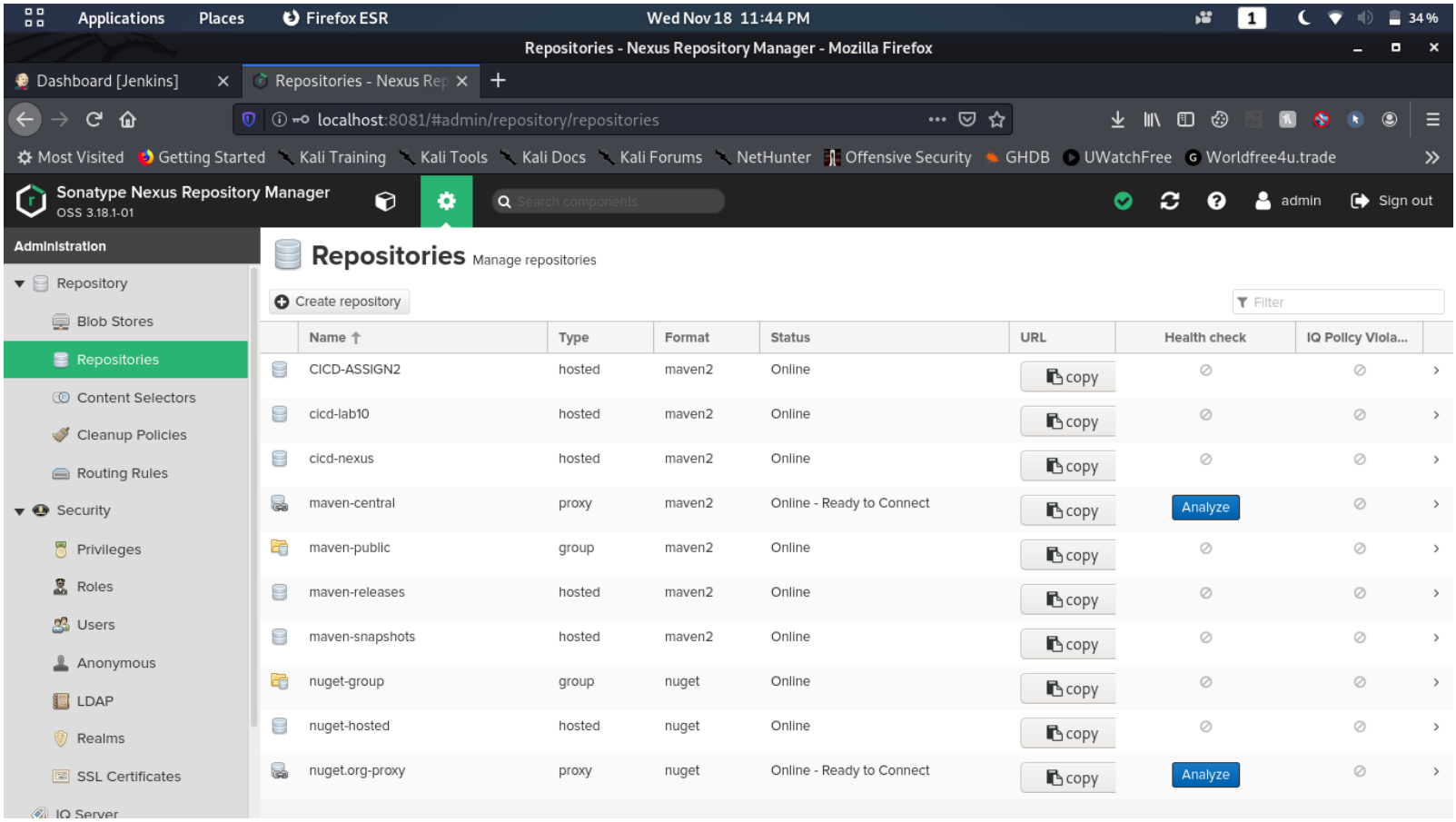
STEP-19 Now start the nexus



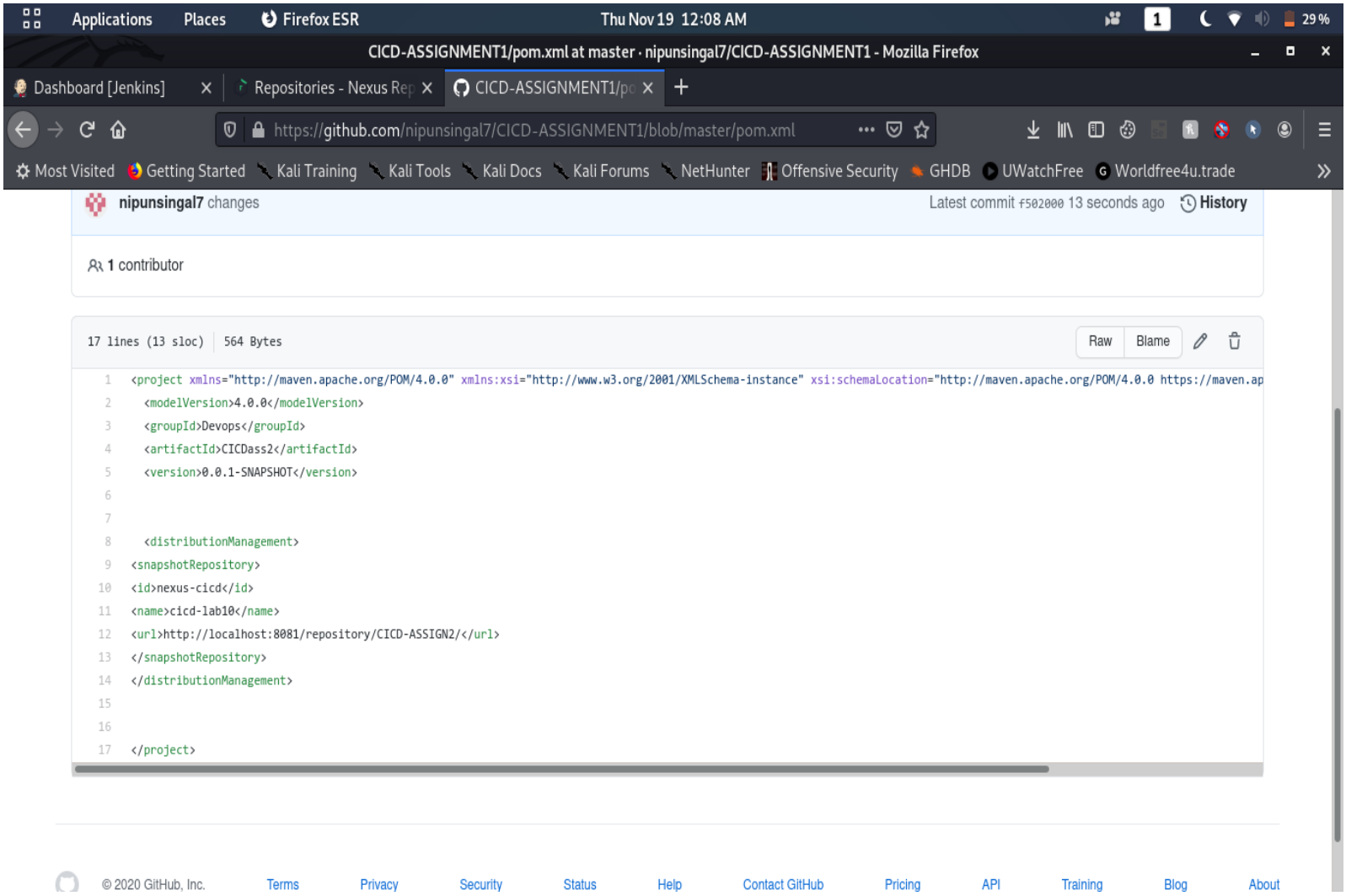
STEP20- Now go wheel shape option and go to repositories option from left. Select maven2(hosted) and fill the details as below



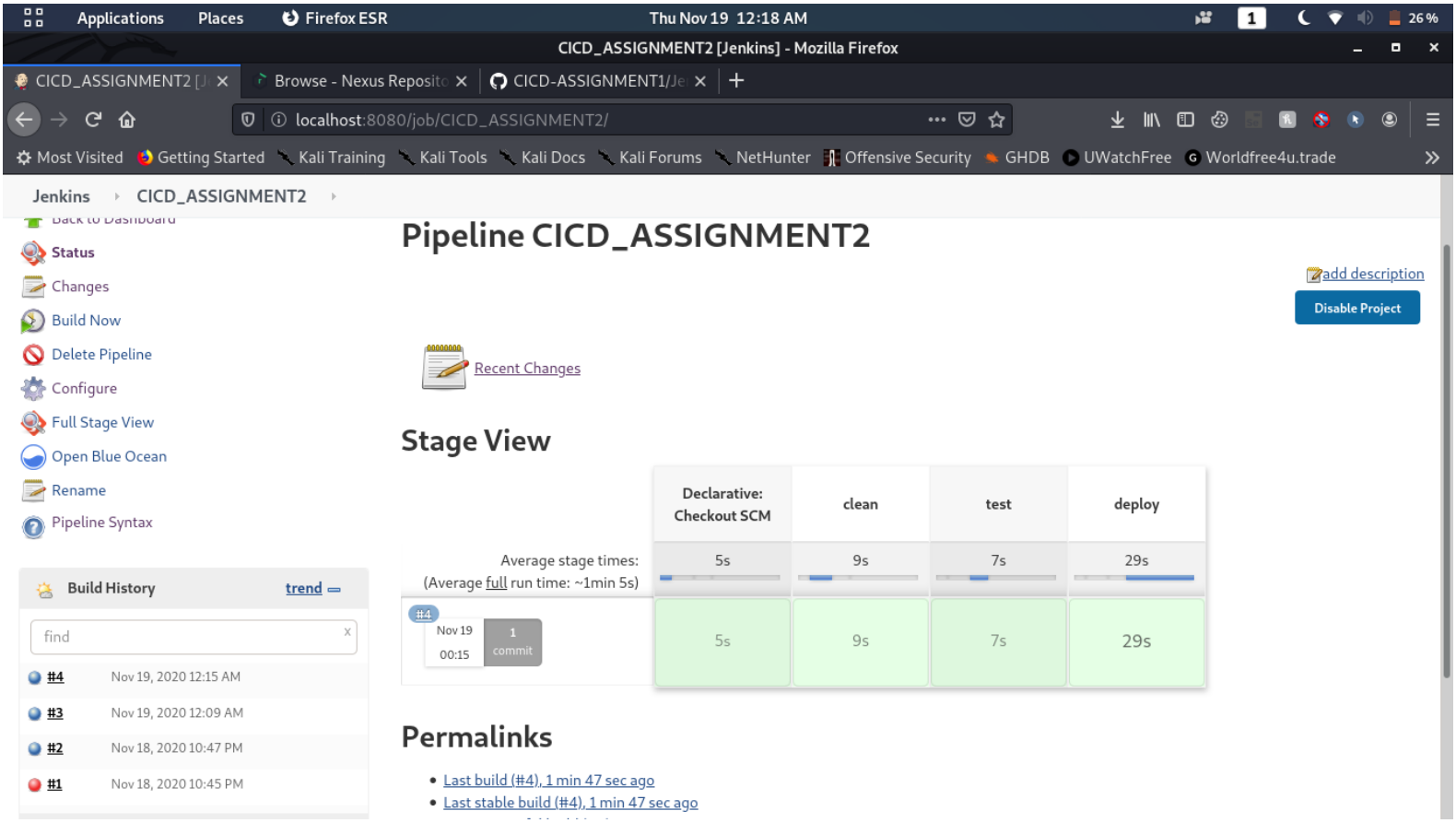
STEP21-Now copy the repository url.

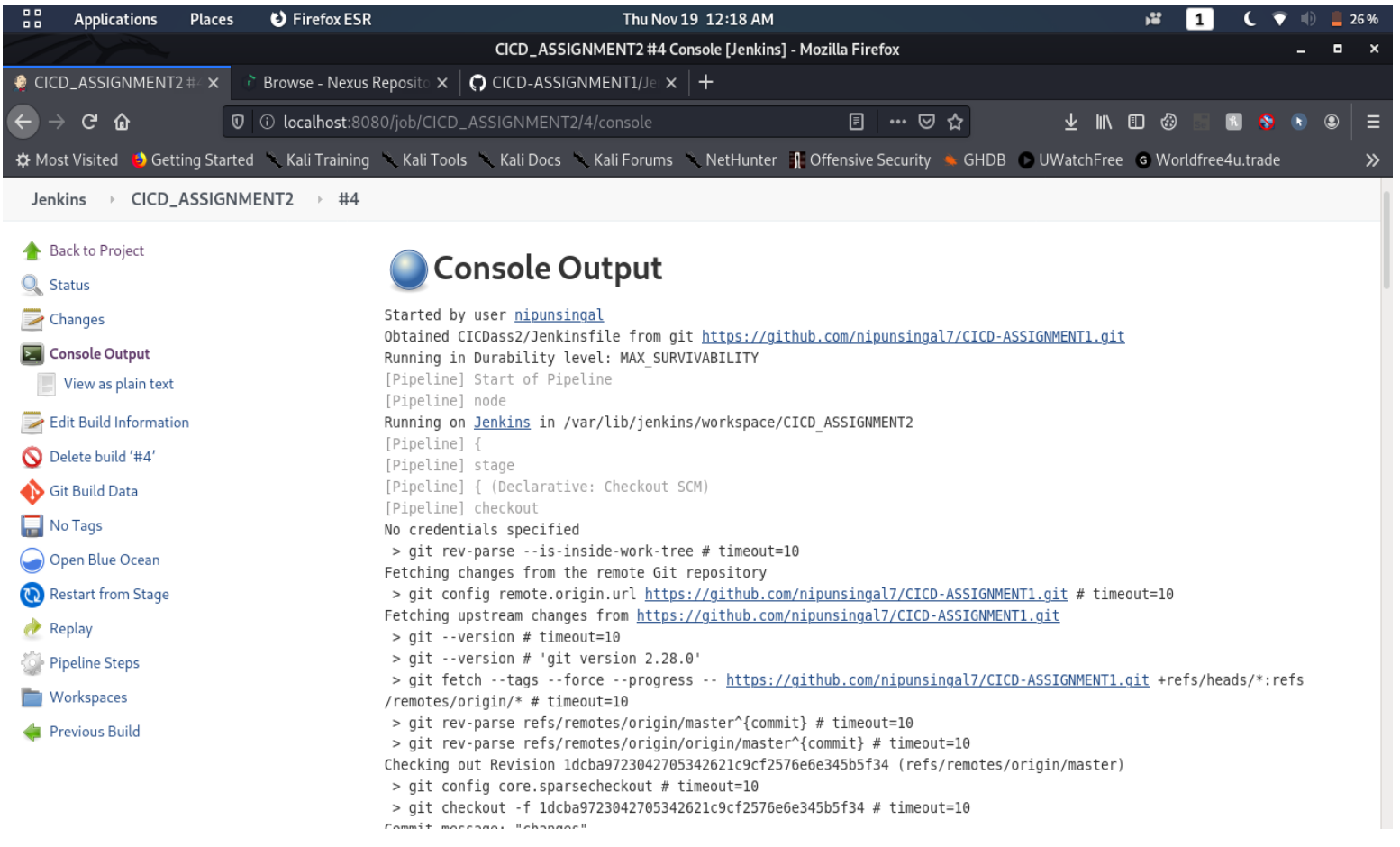


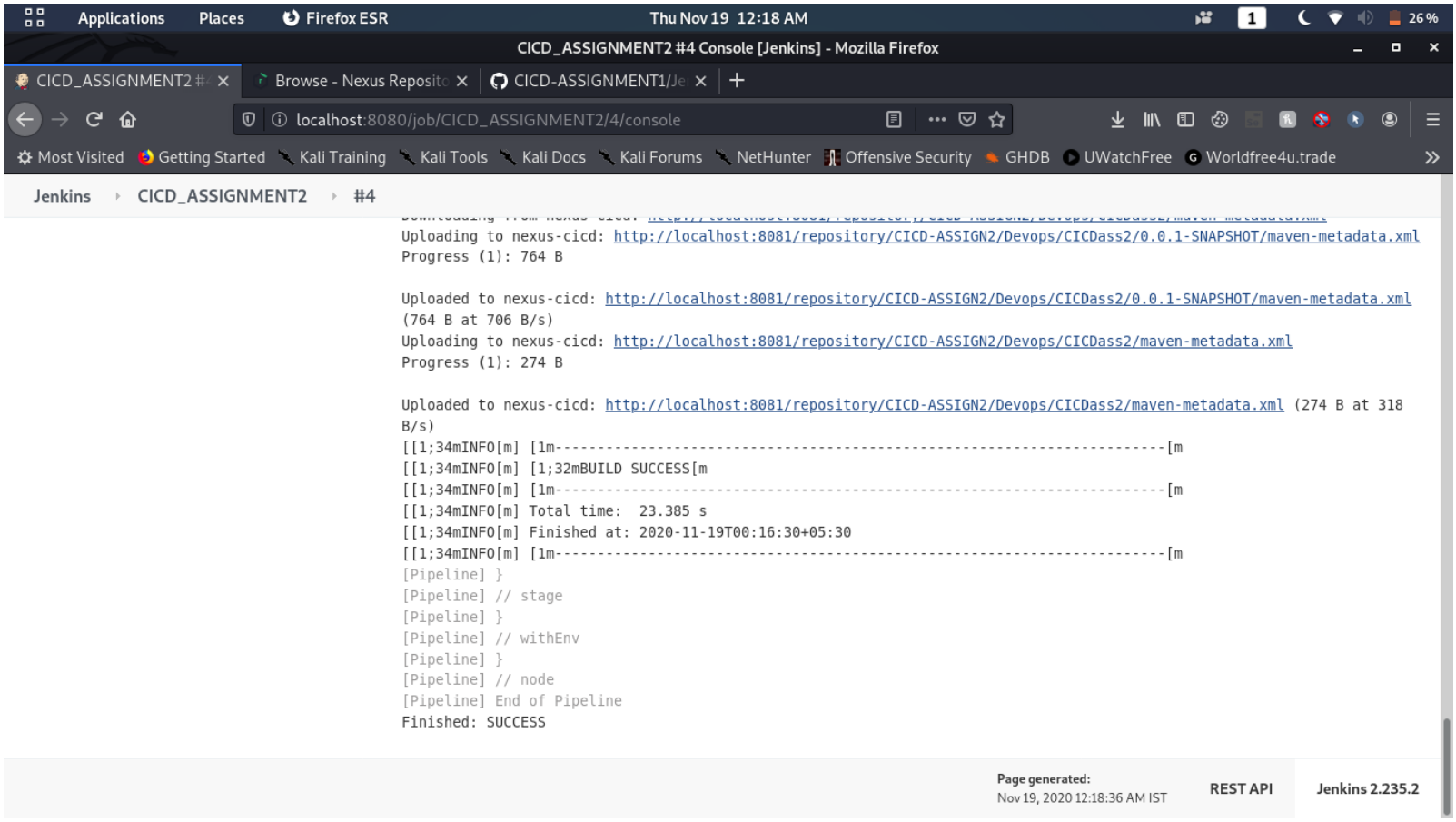
STEP22- Now go to your projects pom.xml file on github and edit it. And define <distributionManagment> tag in it as shown below and add the repository url of nexus. Nexus ID should be same everywhere.



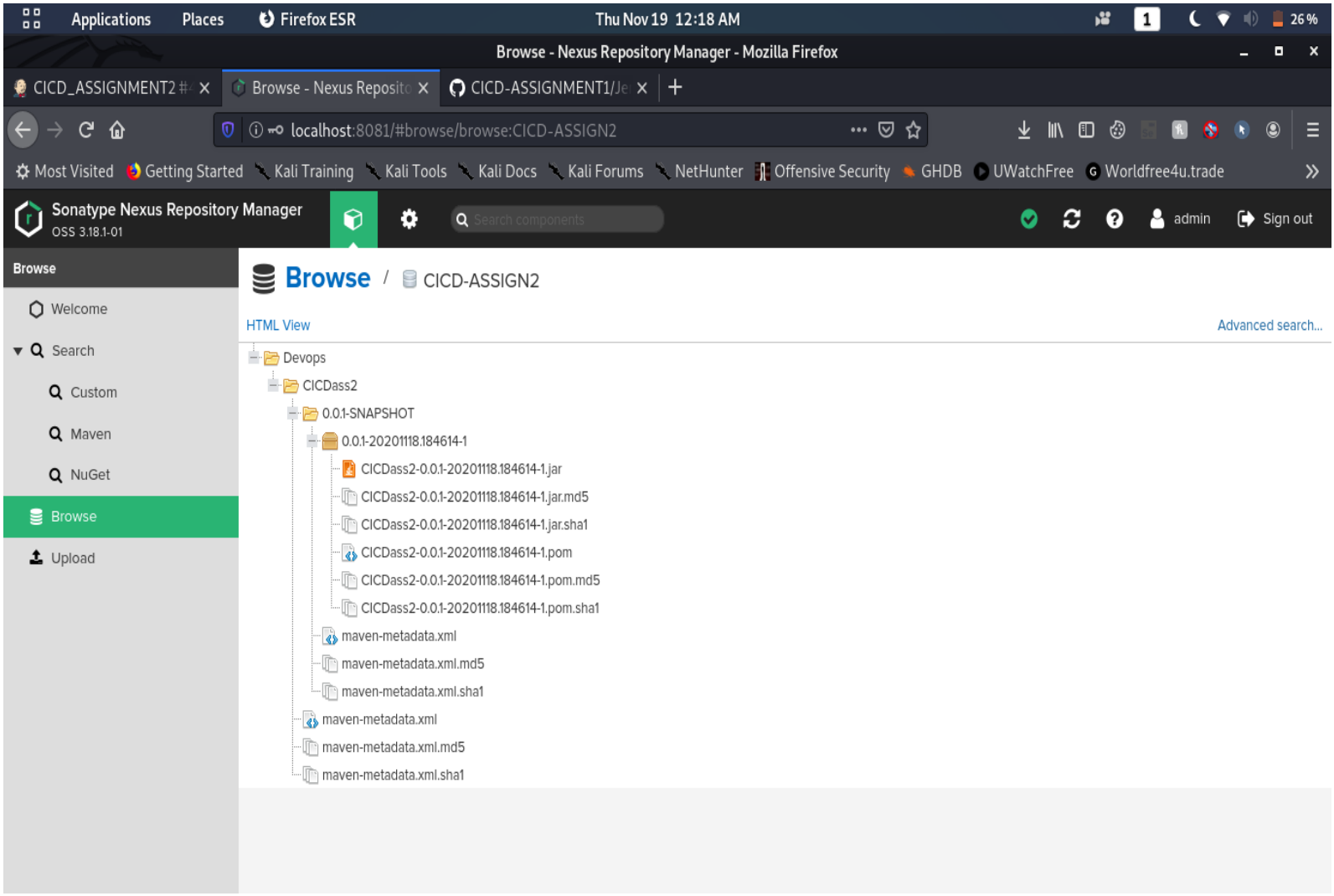
STEP23- Now go to the project in Jenkins and click on build now option from the left side. A pipeline representation will be created.


Applications Places Firefox ESR Thu Nov 19 12:18 AM
CICD_ASSIGNMENT2 [Jenkins] - Mozilla Firefox
CICD_ASSIGNMENT2 [J
Browse - Nexus Reposito
CICD-ASSIGNMENT1/Je
localhost:8080/job/CICD_ASSIGNMENT2/
Most Visited Getting Started Kali Training Kali Tools Kali Docs Kali Forums NetHunter Offensive Security GHDB UWatchFree Worldfree4u.trade
Jenkins CICD_ASSIGNMENT2
Back to Dashboard
Status
Changes
Build Now
Delete Pipeline
Configure
Full Stage View
Open Blue Ocean
Rename
Pipeline Syntax
Build History trend
find
#4 Nov 19, 2020 12:15 AM
#3 Nov 19, 2020 12:09 AM
#2 Nov 18, 2020 10:47 PM
#1 Nov 18, 2020 10:45 PM
Pipeline CICD_ASSIGNMENT2
add description
Disable Project
Recent Changes
Stage View
Declarative: Checkout SCM
clean
test
deploy
Average stage times:
(Average full run time: ~1min 5s)
5s
9s
7s
29s
#4
Nov 19 00:15
1 commit
Permalinks
Last build (#4), 1 min 47 sec ago
Last stable build (#4), 1 min 47 sec ago


Applications Places Firefox ESR Thu Nov 19 12:18 AM
CICD_ASSIGNMENT2 #4 Console [Jenkins] - Mozilla Firefox
CICD_ASSIGNMENT2 #4
Browse - Nexus Reposito
CICD-ASSIGNMENT1/Je
localhost:8080/job/CICD_ASSIGNMENT2/4/console
Most Visited Getting Started Kali Training Kali Tools Kali Docs Kali Forums NetHunter Offensive Security GHDB UWatchFree Worldfree4u.trade
Jenkins CICD_ASSIGNMENT2 #4
Back to Project
Status
Changes
Console Output
View as plain text
Edit Build Information
Delete build '#4'
Git Build Data
No Tags
Open Blue Ocean
Restart from Stage
Replay
Pipeline Steps
Workspaces
Previous Build
Console Output
Started by user nipunsingal
Obtained CICDass2/Jenkinsfile from git https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/CICD_ASSIGNMENT2
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
No credentials specified
> git rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git # timeout=10
Fetching upstream changes from https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git
> git --version # timeout=10
> git --version # 'git version 2.28.0'
> git fetch --tags --force --progress -- https://github.com/nipunsingal7/CICD-ASSIGNMENT1.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
> git rev-parse refs/remotes/origin/origin/master^{commit} # timeout=10
Checking out Revision 1dcba9723042705342621c9cf2576e6e345b5f34 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 1dcba9723042705342621c9cf2576e6e345b5f34 # timeout=10



STEP24- Now go to nexus and then go to browse from left side. You will see your project folder in that. You will see your artifacts in that folder.


Applications
Places
Firefox ESR
Thu Nov 19 12:18 AM
26 %
Browse - Nexus Repository Manager - Mozilla Firefox
CICD_ASSIGNMENT2
Browse - Nexus Reposito
CICD-ASSIGNMENT1/Je
localhost:8081/#browse/browse:CICD-ASSIGN2
Most Visited
Getting Started
Kali Training
Kali Tools
Kali Docs
Kali Forums
NetHunter
Offensive Security
GHDB
UWatchFree
Worldfree4u.trade
Sonatype Nexus Repository Manager
OSS 3.18.1-01
Search components
admin
Sign out
Browse
Welcome
Search
Custom
Maven
NuGet
Browse
Upload
Browse / CICD-ASSIGN2
HTML View
Advanced search...
Devops
CICDass2
0.0.1-SNAPSHOT
0.0.1-20201118.184614-1
CICDass2-0.0.1-20201118.184614-1.jar
CICDass2-0.0.1-20201118.184614-1.jar.md5
CICDass2-0.0.1-20201118.184614-1.jar.sha1
CICDass2-0.0.1-20201118.184614-1.pom
CICDass2-0.0.1-20201118.184614-1.pom.md5
CICDass2-0.0.1-20201118.184614-1.pom.sha1
maven-metadata.xml
maven-metadata.xml.md5
maven-metadata.xml.sha1
maven-metadata.xml
maven-metadata.xml.md5
maven-metadata.xml.sha1