

# FINAL LAB ASSESSMENT

**Step-1** Pushing the pom.xml file of our project in github and creating Jenkinsfile for the pipeline.

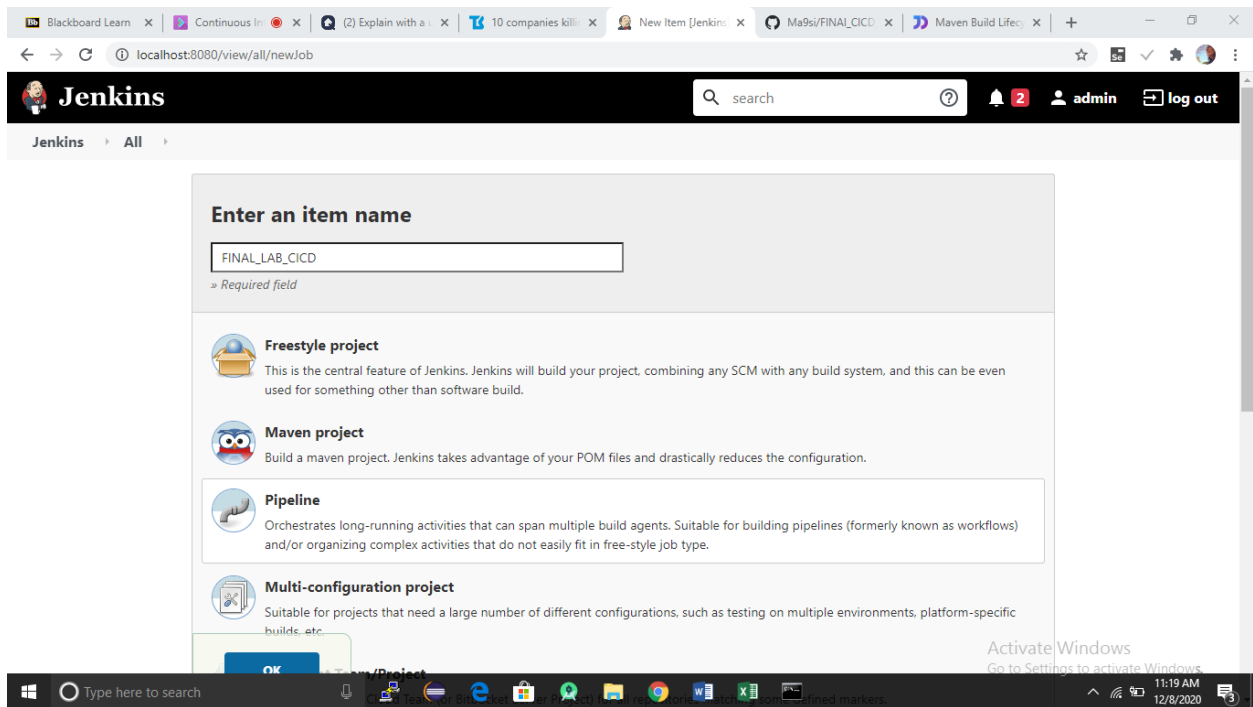
The screenshot shows the GitHub repository page for 'Ma9si / FINAL\_CICD\_LA'. The repository has 1 branch (master) and 0 tags. The commit history shows three recent commits: 'Delete .gitignore' (4 minutes ago), 'Update Jenkinsfile' (7 minutes ago), and 'mycommit' (5 minutes ago). The repository is currently empty, with a prompt to 'Add a README'. The right sidebar shows sections for 'About', 'Releases', and 'Packages', all of which are currently empty. The Windows taskbar is visible at the bottom, showing the time as 11:48 AM on 12/8/2020.

Jenkinsfile:-

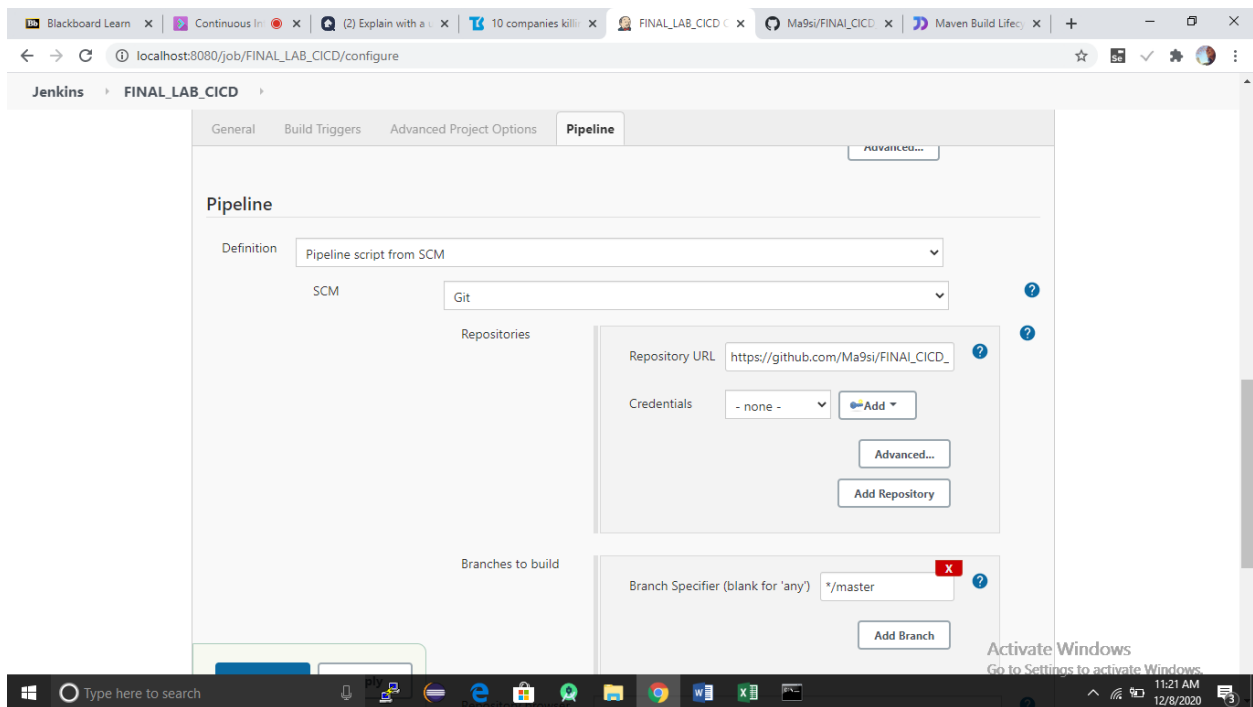
The screenshot shows the Jenkinsfile content in the GitHub repository. The file is named 'Jenkinsfile' and is located in the 'master' branch. The content of the Jenkinsfile is as follows:

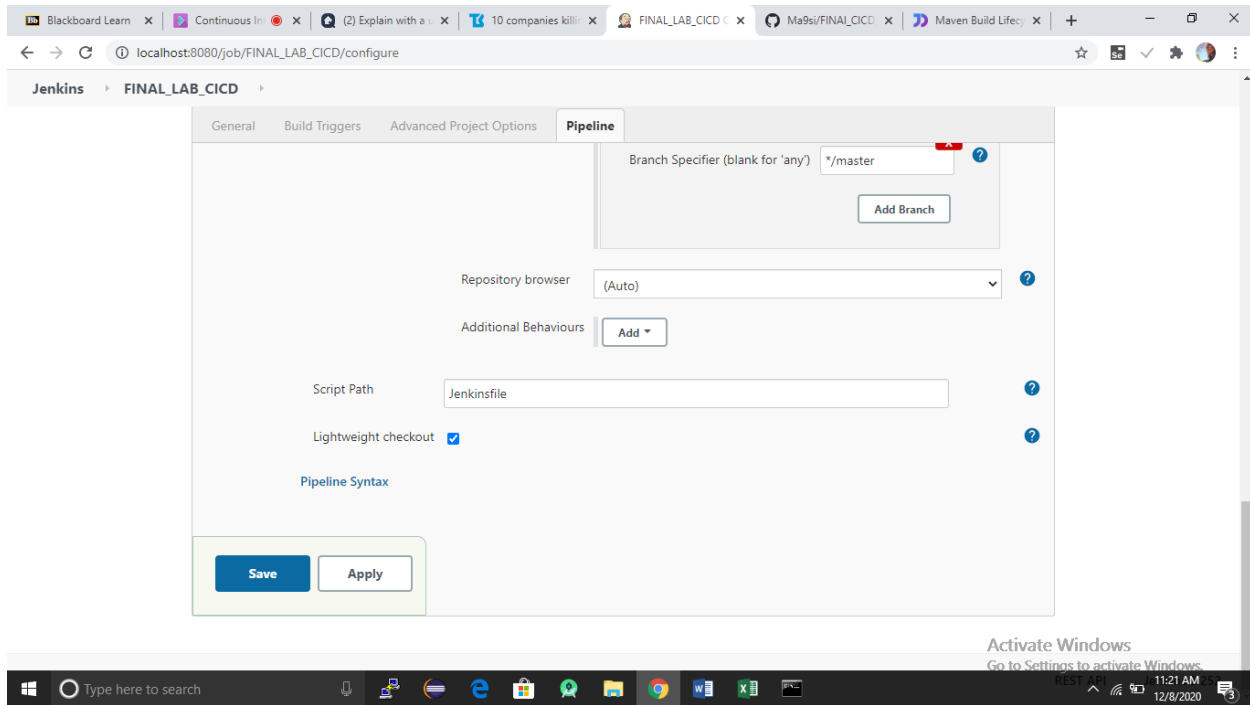
```
1 pipeline{
2   agent any
3   stages{
4     stage('Clean'){
5       steps{
6         echo "Clean Stage"
7         sh "mvn clean"
8       }
9     }
10    stage('Test'){
11      steps{
12        echo "Test Stage"
13        sh "mvn test"
14      }
15    }
16    stage('Package'){
17      steps{
18        echo "Package Stage"
19        sh "mvn package"
20      }
21    }
22    stage('install'){
23      steps{
24        echo "install Stage"
25        sh "mvn install"
26      }
27    }
28  }
29 }
30 }
```

## Step-2 Creating pipeline project in Jenkins.

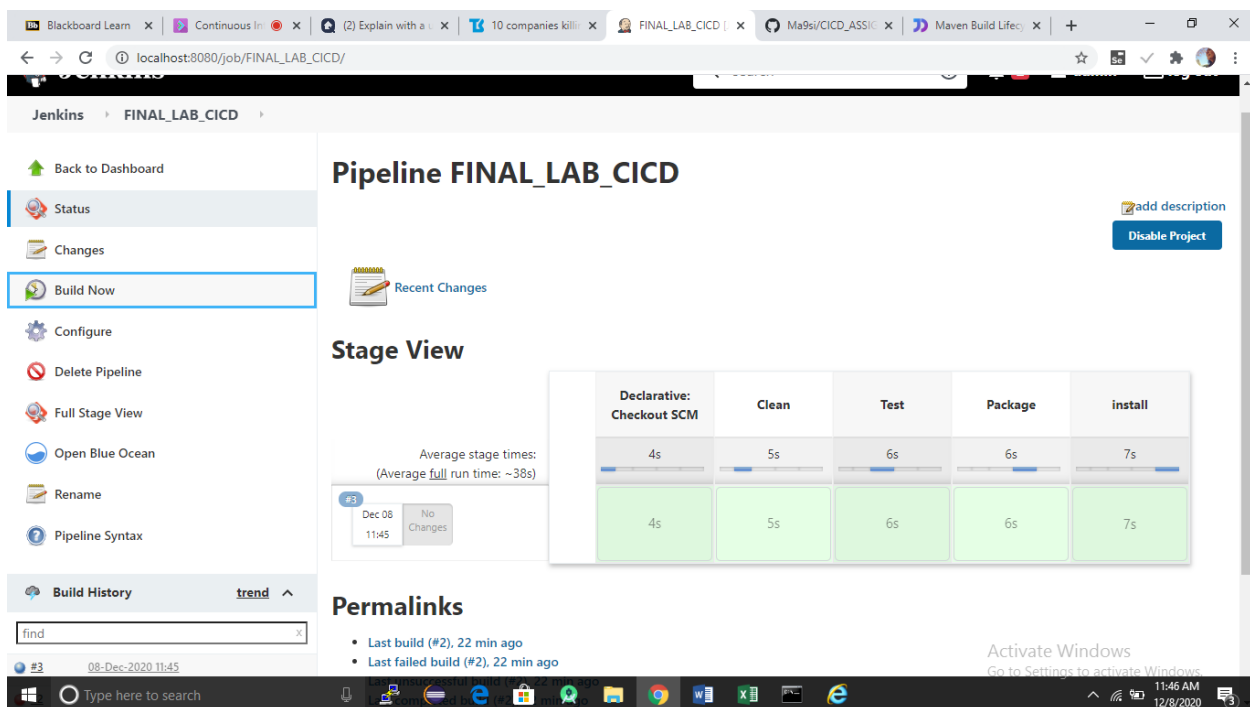


## Step-3 Doing configuration of this Jenkins pipeline job





Now, our pipeline has been created.



Our job is successful.

The screenshot shows the Jenkins web interface at localhost:8080/job/FINAL\_LAB\_CICD/3/console. The left sidebar contains navigation links: Back to Project, Status, Changes, Console Output (selected), View as plain text, Edit Build Information, Delete build '#3', Git Build Data, No Tags, Open Blue Ocean, Restart from Stage, and Replay. The main area displays the 'Console Output' for build #3, started by user admin. The output text is as follows:

```
Started by user admin
Obtained Jenkinsfile from git https://github.com/Ma9si/CICD_ASSIGNMENT2.git
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\Users\HP\.jenkins\workspace\FINAL_LAB_CICD
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
No credentials specified
> git.exe rev-parse --is-inside-work-tree # timeout=10
Fetching changes from the remote Git repository
> git.exe config remote.origin.url https://github.com/Ma9si/CICD_ASSIGNMENT2.git # timeout=10
Fetching upstream changes from https://github.com/Ma9si/CICD_ASSIGNMENT2.git
> git.exe --version # timeout=10
> git --version # 'git version 2.27.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/Ma9si/CICD_ASSIGNMENT2.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe rev-parse "refs/remotes/origin/master^{commit}" # timeout=10
> git.exe rev-parse "refs/remotes/origin/origin/master^{commit}" # timeout=10
Checking out Revision 0e3b5011f7bb718fdbad67b0e70446816b21c6d5 (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f 0e3b5011f7bb718fdbad67b0e70446816b21c6d5 # timeout=10
Commit message: "Delete .gitignore"
```

An 'Activate Windows' watermark is visible in the bottom right corner of the screenshot.

This screenshot shows the continuation of the Jenkins build process. The console output displays Maven build logs for a project named 'CICD\_FINAL\_LAB'. The logs indicate that no sources need to be compiled, no tests are run, and the Maven JAR plugin is used to install the project. The build is successful.

```
[INFO] No sources to compile
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ CICD_FINAL_LAB ---
[INFO] No tests to run.
[INFO]
[INFO] --- maven-jar-plugin:2.4:jar (default-jar) @ CICD_FINAL_LAB ---
[WARNING] JAR will be empty - no content was marked for inclusion!
[INFO]
[INFO] --- maven-install-plugin:2.4:install (default-install) @ CICD_FINAL_LAB ---
[INFO] Installing C:\Users\HP\.jenkins\workspace\FINAL_LAB_CICD\target\CICD_FINAL_LAB-0.0.1-SNAPSHOT.jar to
C:\Users\HP\.m2\repository\CICD\CICD_FINAL_LAB\0.0.1-SNAPSHOT\CICD_FINAL_LAB-0.0.1-SNAPSHOT.jar
[INFO] Installing C:\Users\HP\.jenkins\workspace\FINAL_LAB_CICD\pom.xml to C:\Users\HP\.m2\repository\CICD\CICD_FINAL_LAB\0.0.1-
SNAPSHOT\CICD_FINAL_LAB-0.0.1-SNAPSHOT.pom
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.197 s
[INFO] Finished at: 2020-12-08T11:45:55+05:30
[INFO] -----
[WARNING] The requested profile "profile1" could not be activated because it does not exist.
[WARNING] The requested profile "profile2" could not be activated because it does not exist.
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

An 'Activate Windows' watermark is visible in the bottom right corner of the screenshot.