

EXPERIMENT-2

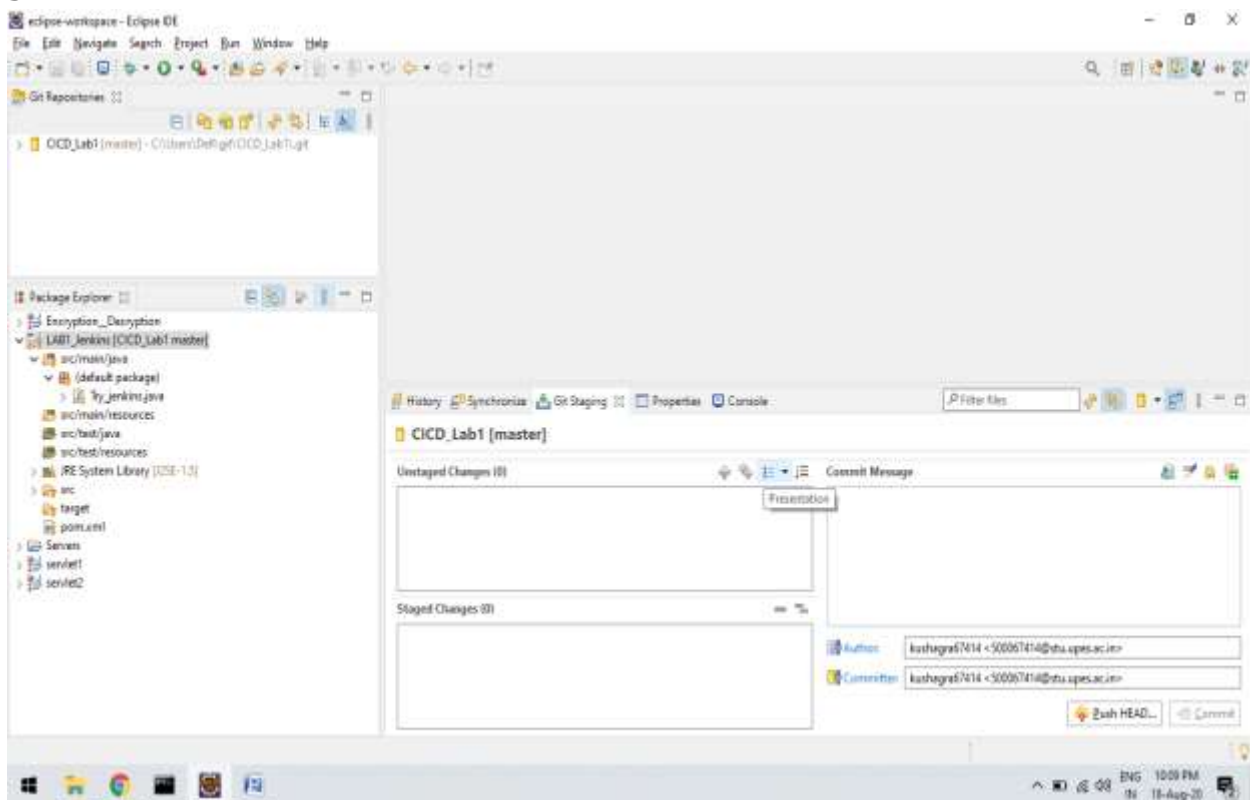
Setting up JENKINS environment using MAVEN AND GITHUB

Step: 1

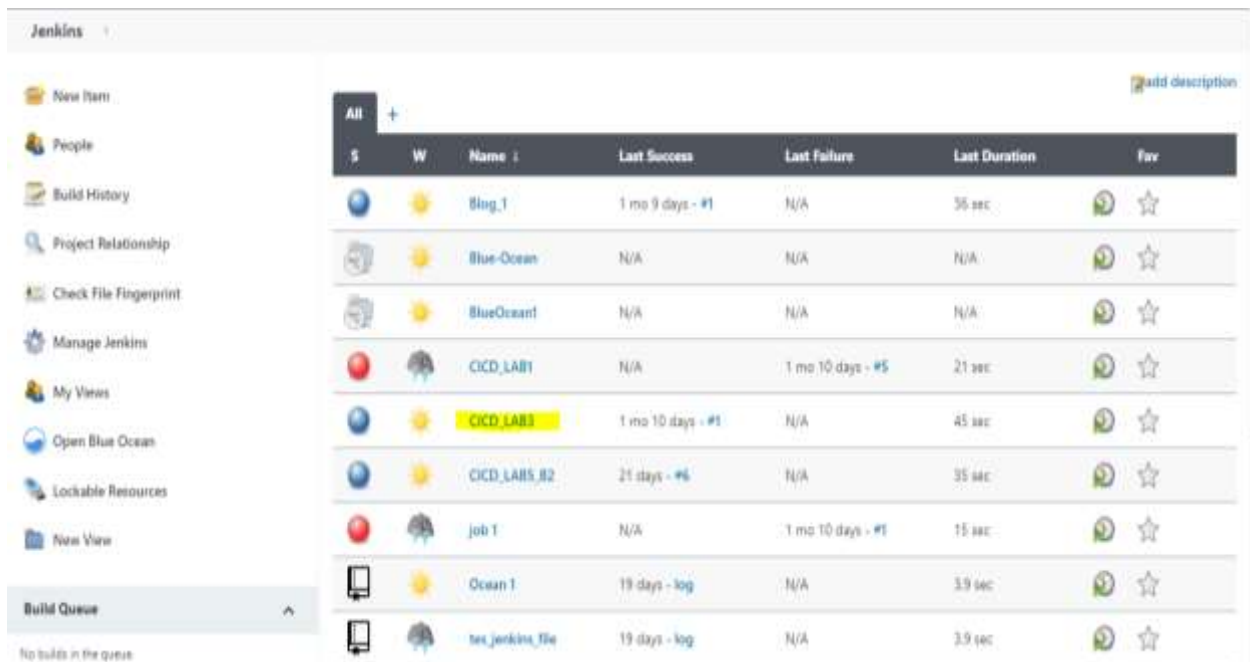
Create a Github Repo.

Step: 2

Using Eclipse IDE Add Maven project to Github Repo you first created



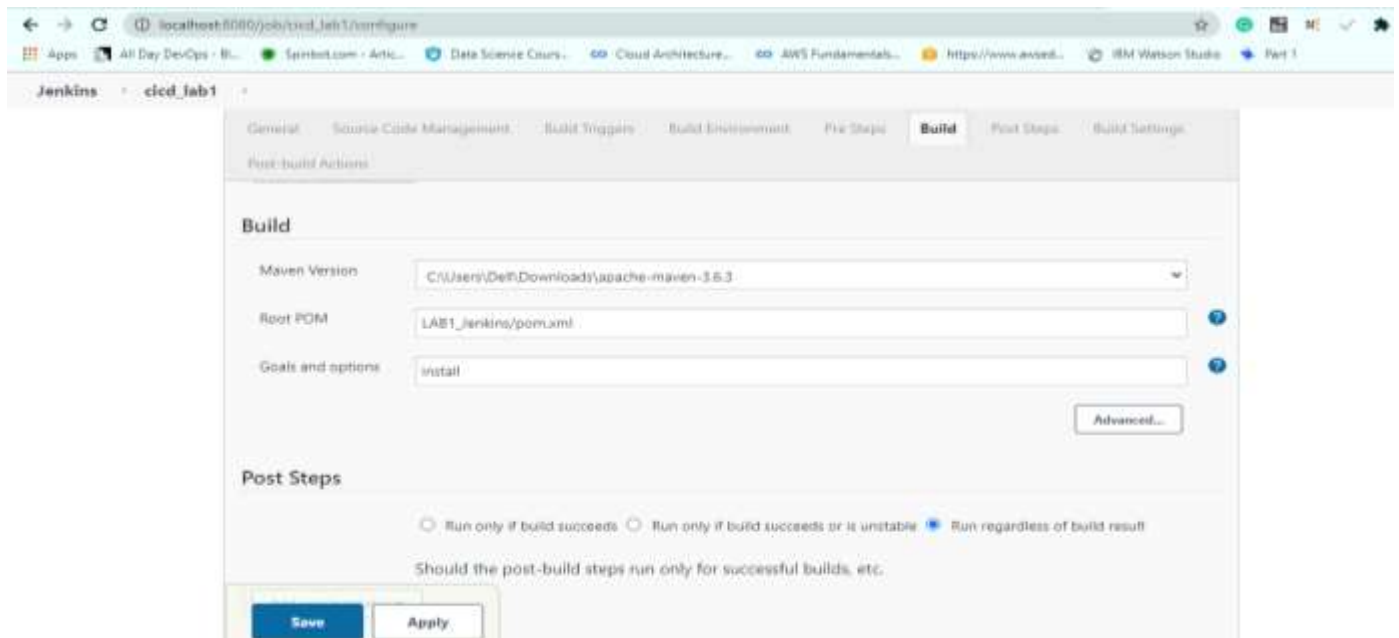
Step 3 :



The screenshot shows the Jenkins dashboard with a sidebar on the left containing links like 'New Item', 'People', 'Build History', etc. The main area displays a table of jobs. The 'CICD_LAB3' job is highlighted in yellow.

S	W	Name	Last Success	Last Failure	Last Duration	Fav
		Blog_1	1 mo 9 days - #1	N/A	35 sec	
		Blue-Ocean	N/A	N/A	N/A	
		BlueOcean1	N/A	N/A	N/A	
		CICD_LAB1	N/A	1 mo 10 days - #5	21 sec	
		CICD_LAB3	1 mo 10 days - #1	N/A	45 sec	
		CICD_LAB5_82	21 days - #6	N/A	35 sec	
		job 1	N/A	1 mo 10 days - #1	15 sec	
		Ocean 1	19 days - log	N/A	3.9 sec	
		tex_jenkins_file	19 days - log	N/A	3.9 sec	

Create a JOB on JENKINS AS “cicd_Lab3” and Configure it..



The screenshot shows the Jenkins configuration page for the 'cicd_lab1' job. The 'Build' tab is selected, and the 'Post-build Actions' section is expanded. The 'Build' section shows the following configuration:

- Maven Version: C:\Users\Deft\Downloads\apache-maven-3.6.3
- Root POM: LAB1_jenkins/pom.xml
- Goals and options: install

The 'Post Steps' section shows the following configuration:

- Run only if build succeeds: ☐
- Run only if build succeeds or is unstable: ☐
- Run regardless of build result: ☒

Buttons at the bottom: Save, Apply.

General Source Code Management Build Triggers Build Environment Bindings Pre Steps **Build** Post Steps

Build Settings Post-build Actions

Build

Root POM

Goals and options

Advanced...

Post Steps

☐ Run only if build succeeds ☐ Run only if build succeeds or is unstable ☒ Run regardless of build result

Should the post-build steps run only for successful builds, etc.

Add post-build step ▾

Step-4 :

Now Click on Build now Option at Left Side of you window and verify the Build Success

Console Output

```

Started by user Abhishek Singh
Obtained Jenkinsfile from git https://github.com/hkshitesh/tes_jenkins_file.git
Running in Durability level: MAX_SURVIVABILITY
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in C:\Users\Devl\.jenkins\workspace\CICD_LAB3
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declaration: Checkout SCM)
[Pipeline] checkout
No credentials specified
Cloning the remote Git repository
Cloning repository https://github.com/hkshitesh/tes_jenkins_file.git
> git.exe init C:\Users\Devl\.jenkins\workspace\CICD_LAB3 # timeout=10
Fetching upstream changes from https://github.com/hkshitesh/tes_jenkins_file.git
> git.exe --version # timeout=10
> git --version # 'git version 2.28.0.windows.1'
> git.exe fetch --tags --force --progress -- https://github.com/hkshitesh/tes_jenkins_file.git +refs/heads/*:refs/remotes/origin/* #
timeout=10
> git.exe config remote.origin.url https://github.com/hkshitesh/tes_jenkins_file.git # timeout=10
> git.exe config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
> git.exe config remote.origin.url https://github.com/hkshitesh/tes_jenkins_file.git # timeout=10
Fetching upstream changes from https://github.com/hkshitesh/tes_jenkins_file.git
> git.exe fetch --tags --force --progress -- https://github.com/hkshitesh/tes_jenkins_file.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 f049b66da8a1efe7c90b08208de011c5c40b7025 (refs/remotes/origin/master)
> git.exe config core.sparsecheckout # timeout=10
> git.exe checkout -f f049b66da8a1efe7c90b08208de011c5c40b7025 # timeout=10

```

```

[Pipeline] echo
Build Stage
[Pipeline] }
[Pipeline] // stage
[Pipeline] stage
[Pipeline] { (Test)
[Pipeline] bat

C:\Users\Devl\.jenkins\workspace\CICD_LAB3>mvn clean
[INFO] Scanning for projects...
[INFO] -----< test.jenkinsfile:test.jenkinsfile >-----
[INFO] Building test.jenkinsfile 0.0.1-SNAPSHOT
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-clean-plugin:2.5:clean (default-clean) @ test.jenkinsfile ---
[INFO]
[INFO] BUILD SUCCESS
[INFO]
[INFO] Total time: 1.370 s
[INFO] Finished at: 2020-08-25T12:18:56+05:30
[INFO]
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS

```