Integration of Jenkins with GitHub ~By Neha Singh

GitHub is a multinational corporation that provides hosting for software development and version control using Git.

Prerequisites

• Jenkins running

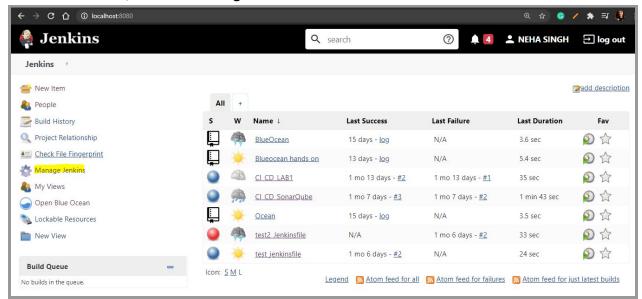
In this module, we will see how to integrate Jenkins with GitHub.

Make sure your Jenkins is up and running.

```
C:\Windows\System32\cmd.exe - java -jar jenkins.war
Microsoft Windows [Version 10.0.18362.1082]
(c) 2019 Microsoft Corporation. All rights reserved.
C:\Users\Neha\Downloads>java -jar jenkins.war
Running from: C:\Users\Neha\Downloads\jenkins.war
webroot: $user.home/.jenkins
2020-10-08 14:11:54.804+0000 [id=1]
                                          INFO
                                                  org.eclipse
2020-10-08 14:11:55.382+0000
                              [id=1]
                                          INFO
                                                  winstone.Log
2020-10-08 14:11:55.580+0000
                              [id=1]
                                          WARNING o.e.j.s.hand
```

Open jenkins in web browser, I will be using Chrome "Localhost:8080"

On left-hand side, move to manage Jenkins.



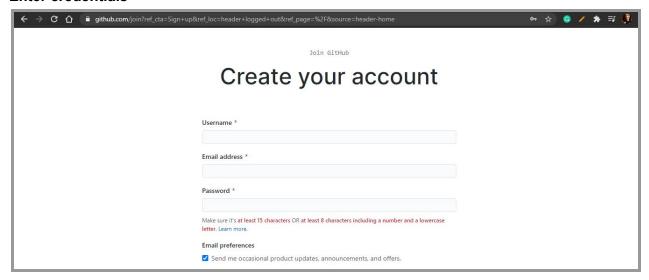
Manage Plugins



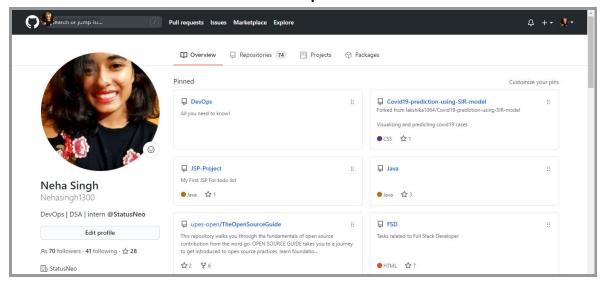
Now, you can install Github Plugins



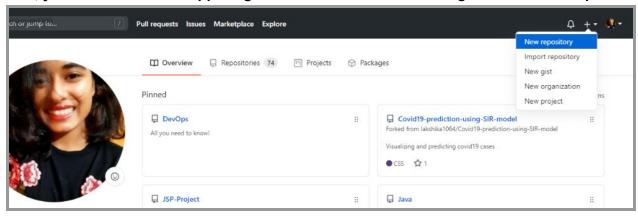
If you do not have GitHub Account, move to https://github.com/ Enter credentials



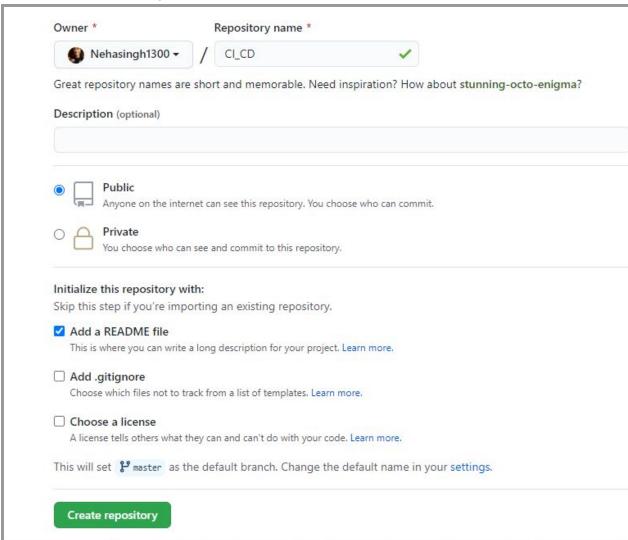
You will see account like this but without repositories.



Now, you can move to the upper right-hand side and click on + sign to make new repo.



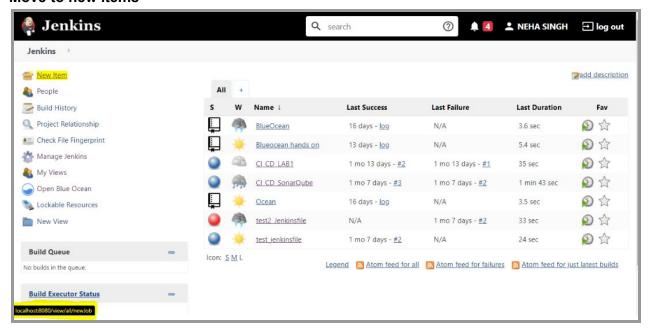
You can enter any name for your repository, and description if you want. Then, go and click Create Repositiory



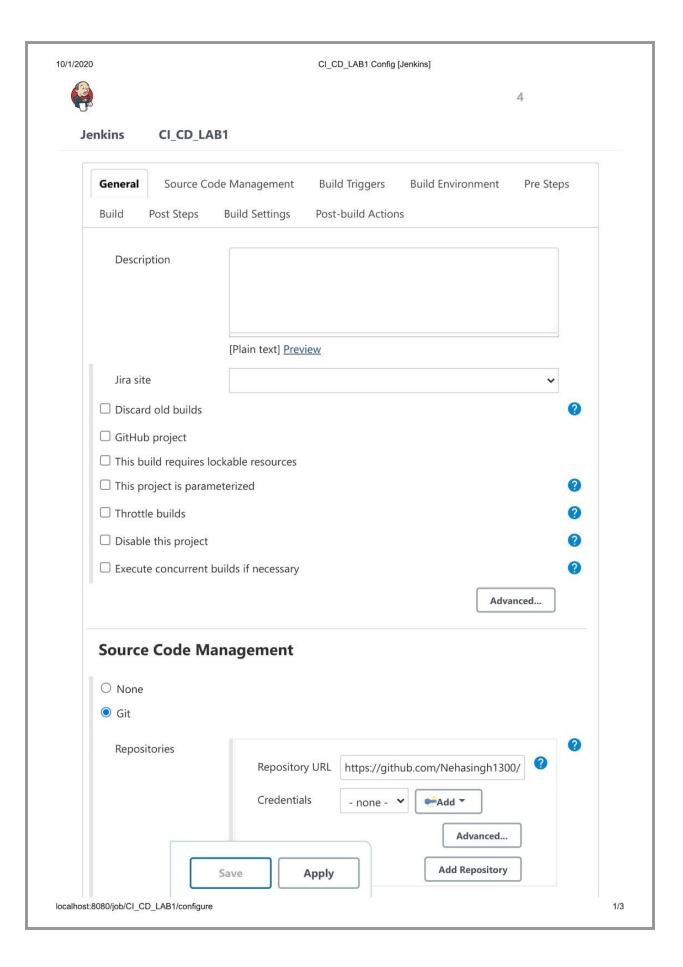
<distributionManagement>
<snapshotRepository>
 <id>cid>cicd</id>
 <name>cicd</name>
 <url>http://localhost:8081/repository/cicd/</url>
</snapshotRepository>
</distributionManagement>

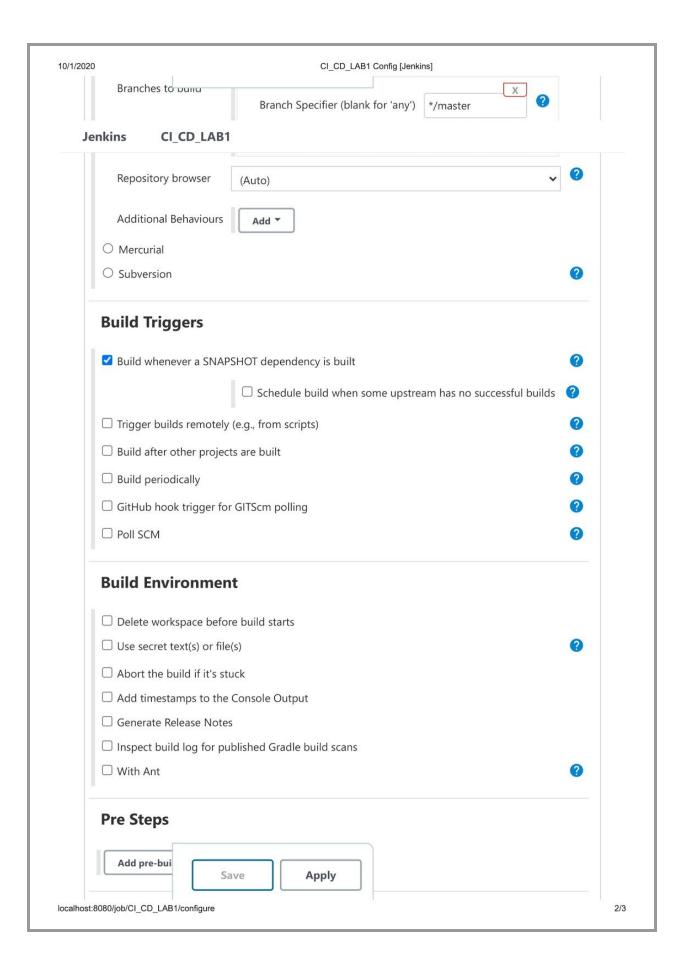
Enter your code in GitHub. You can see all the changes in your repository.

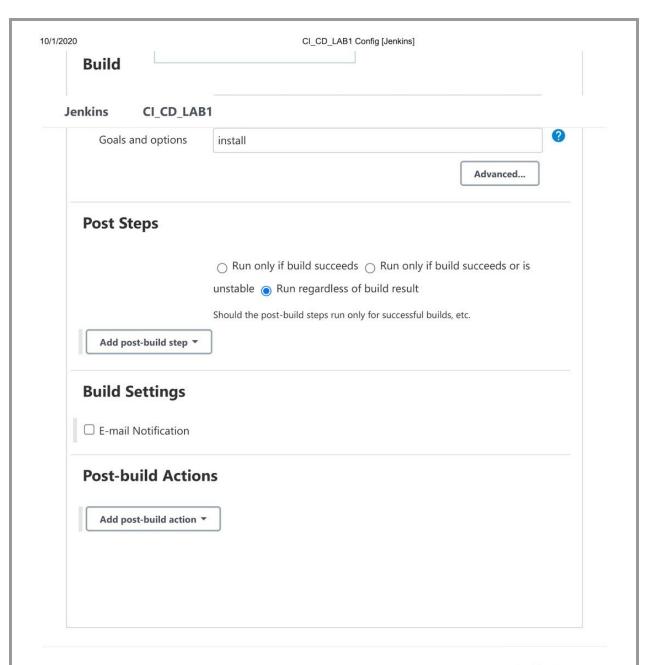
Move to new items



Select Maven Project and enter the name of the project.







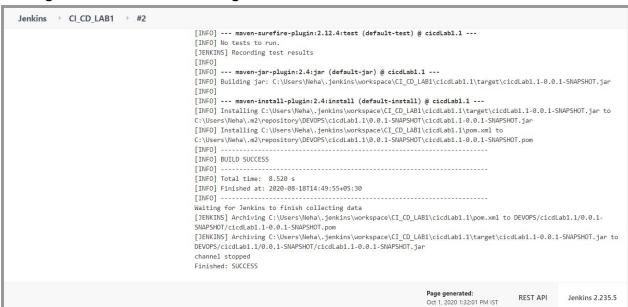
Jenkins 2.235.5



Now, you can see your project. Click on Build now



You will be able to see Build Success if your project has no error, else go to the error message and make suitable changes.



You can see the build artifact



That's all for this module.