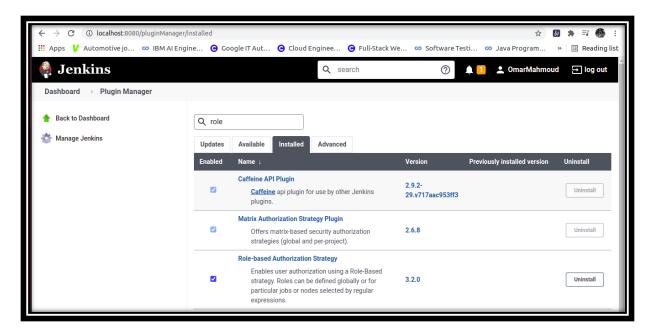
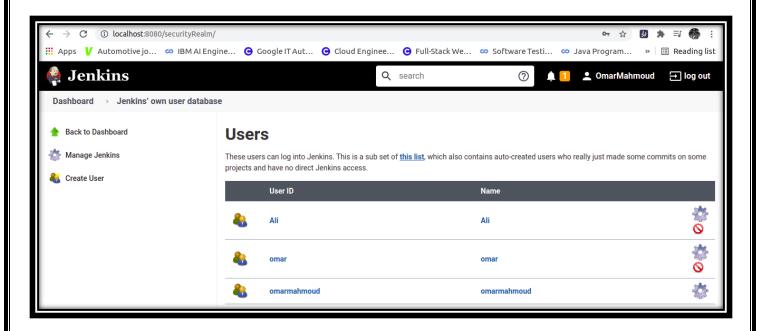
Jenkins

Task day 1

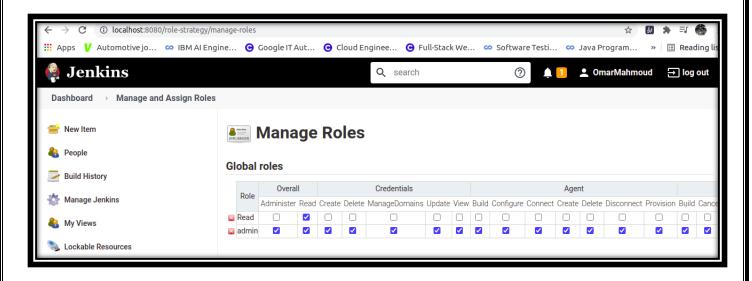
- 1- install jenkins with docker image
- 2- install role based authorization plugin

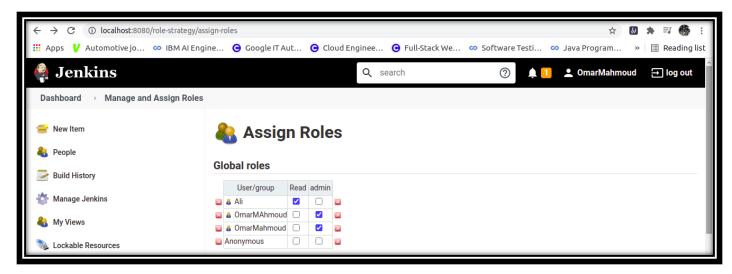


3- create new user:

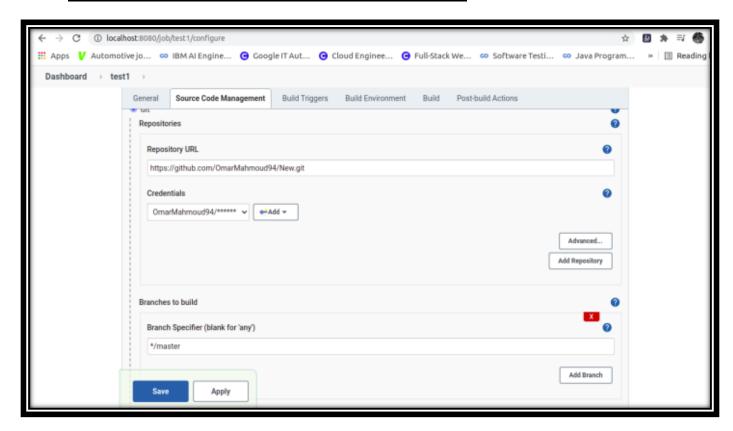


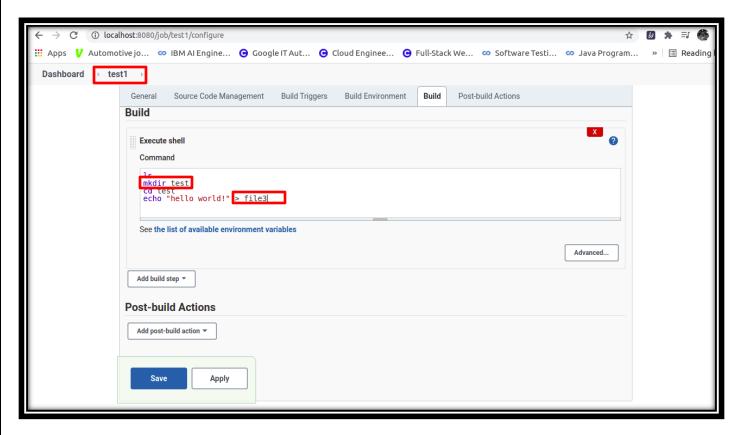
4- create read role and assign it to the new user:

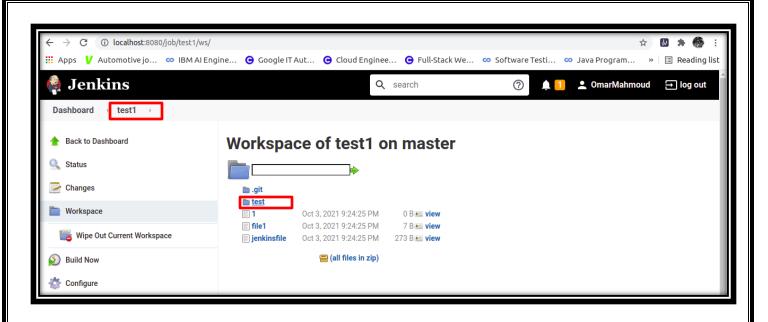


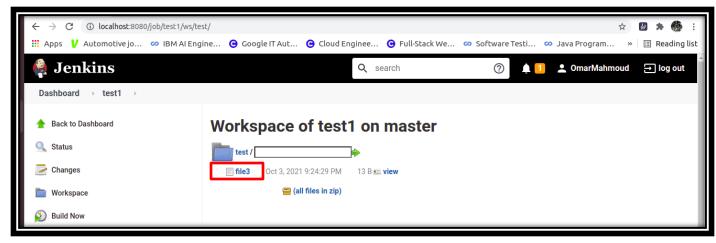


5- create free style pipeline and link it to private git repo(inside it create directory and create file with "hello world"):



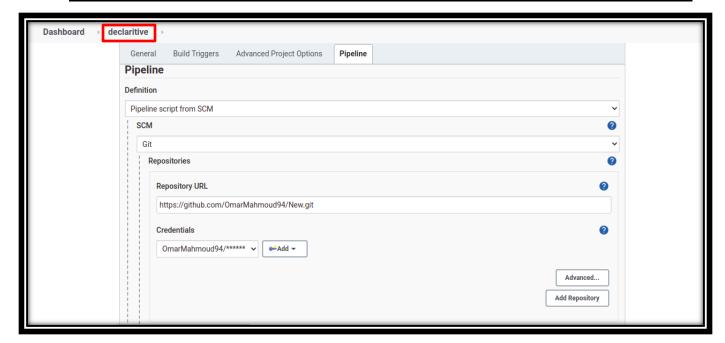








6- create declarative in jenkins GUI pipeline for your own repo to do "Is":





```
Dashboard
                 declaritive
  Pipeline Steps
                                             +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/master^{commit} # timeout=10
                                              Checking out Revision 1c5145d993ebdaa19131b336482dfa58efdc961b (refs/remotes/origin/master)
Workspaces
                                               > git config core.sparsecheckout # timeout=10
                                               > git checkout -f 1c5145d993ebdaa19131b336482dfa58efdc961b # timeout=10
 Previous Build
                                              Commit message: "Update jenkinsfile"
                                              First time build. Skipping changelog.
                                              [Pipeline] }
[Pipeline] // stage
                                              [Pipeline] withEnv
                                              [Pipeline] {
                                              [Pipeline] stage
                                                          { (list_files)
                                             [Pipeline] sh
+ ls
                                              file1
                                             jenkinsfile
                                              [Pipeline] }
                                              [Pipeline] // withEnv
                                              [Pipeline] }
                                              [Pipeline] // node
                                              [Pipeline] End of Pipeline
                                              Finished: SUCCESS
```

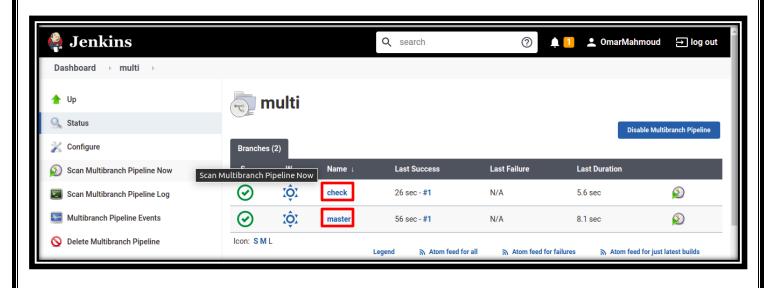
7- create scripted in jenkins GUI pipeline for your own repo to do "Is":

```
8 lines (7 sloc) | 195 Bytes

1 node {
2
3 stage('list_files') {
4 qit branch: 'check', credentialsId: 'tokenforpipline', url: 'https://github.com/OmarMahmoud94/New.git'
5 sh 'ls'
6 sh 'cat file1'
7 }
8 }
```



8- create the same with jenkinsfile in your branches as multibranch pipeline:



```
① localhost:8080/job/multi/job/check/1/console
                                                                                                                                                      Ø * ®
🚟 Apps 🗸 Automotivejo... 🚥 IBM Al Engine... 📵 Google IT Aut... 📵 Cloud Enginee... 📵 Full-Stack We... 🚥 Software Testi... 🚥 Java Program... » 🗎 Reading list
 Dashboard
                 multi
                        → check
                                             > git --version # timeout=10
                                             > git --version # 'git version 2.20.1'
                                            using GIT_ASKPASS to set credentials
                                             > git fetch --tags --force --progress -- https://github.com/OmarMahmoud94/New.git
                                            +refs/heads/*:refs/remotes/origin/* # timeout=10
                                             > git config remote.origin.url https://github.com/OmarMahmoud94/New.git # timeout=10
                                             > git config --add remote.origin.fetch +refs/heads/*:refs/remotes/origin/* # timeout=10
                                            Avoid second fetch
                                             > git rev-parse refs/remotes/origin/check^{commit} # timeout=10
                                            Checking out Revision 012fa6d152e5a92651c6e5d765c56a99f9ca7cfa (refs/remotes/origin/check)
                                             > git config core.sparsecheckout # timeout=10
                                             > git checkout -f 012fa6d152e5a92651c6e5d765c56a99f9ca7cfa # timeout=10
                                             > git branch -a -v --no-abbrev # timeout=10
                                            > git checkout -b check 012fa6d152e5a92651c6e5d765c56a99f9ca7cfa # timeout=10 Commit message: "Update Jenkinsfile"
                                            First time build. Skipping changelog.
                                            [Pipeline] sh
                                            file1
                                            Jenkinsfile
                                            [Pipeline] sh
                                            + cat file1
                                            hello
                                            [Pipeline] ]
                                            [Pipeline] // stage
                                            [Pipelinel }
                                            [Pipeline] // node
[Pipeline] End of Pipeline
                                            Finished: SUCCESS
```

