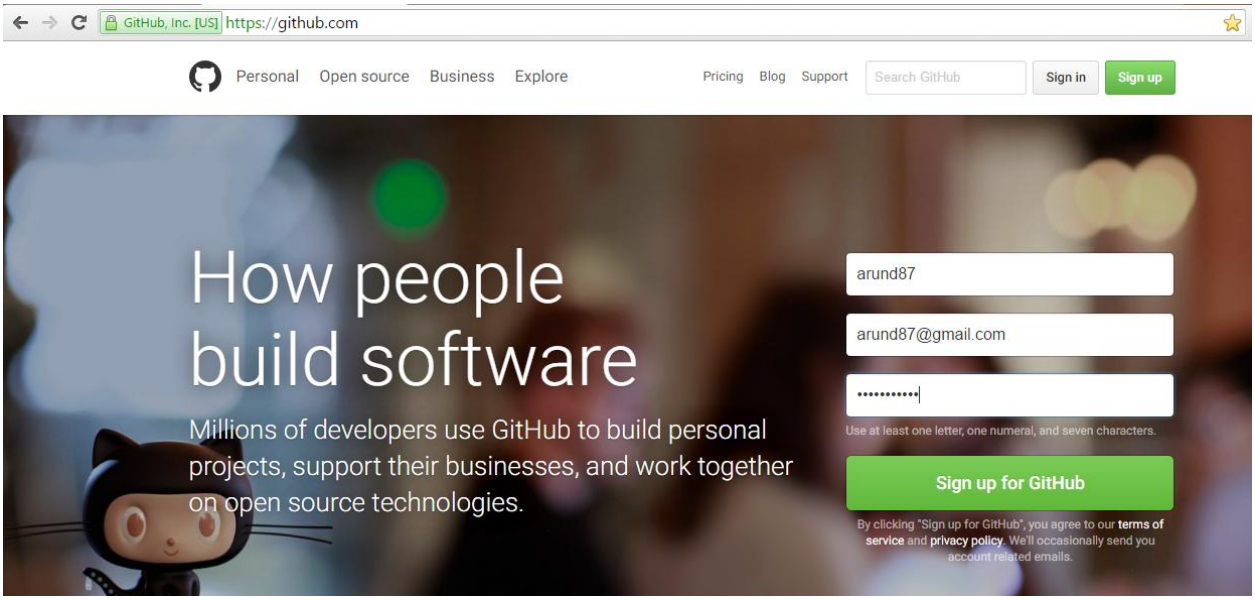
Selenium Maven Jenkins GITHUB Integration

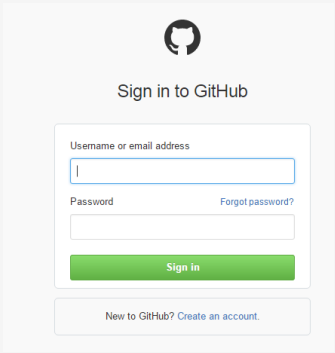
=> Code sharing and publishing service for Developers and Testers.

Create GIT account in the site https://github.com

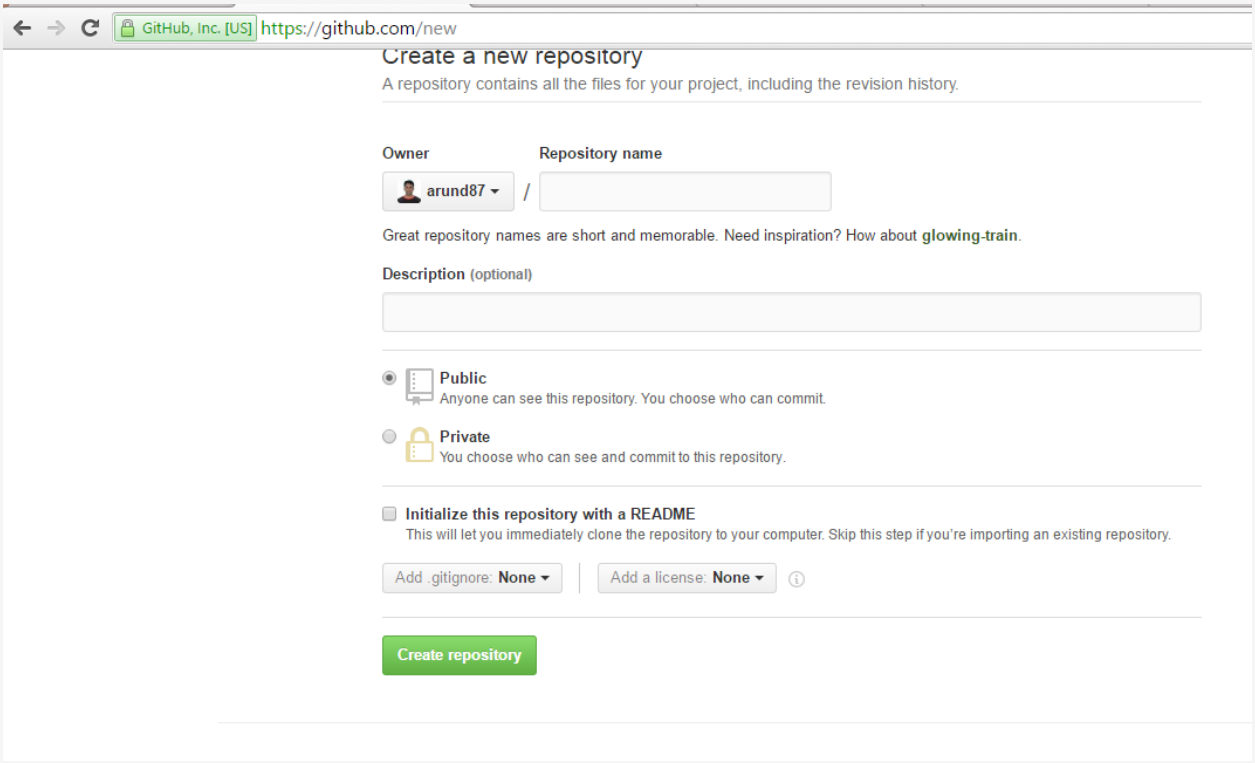


Then do the E-mail verification.

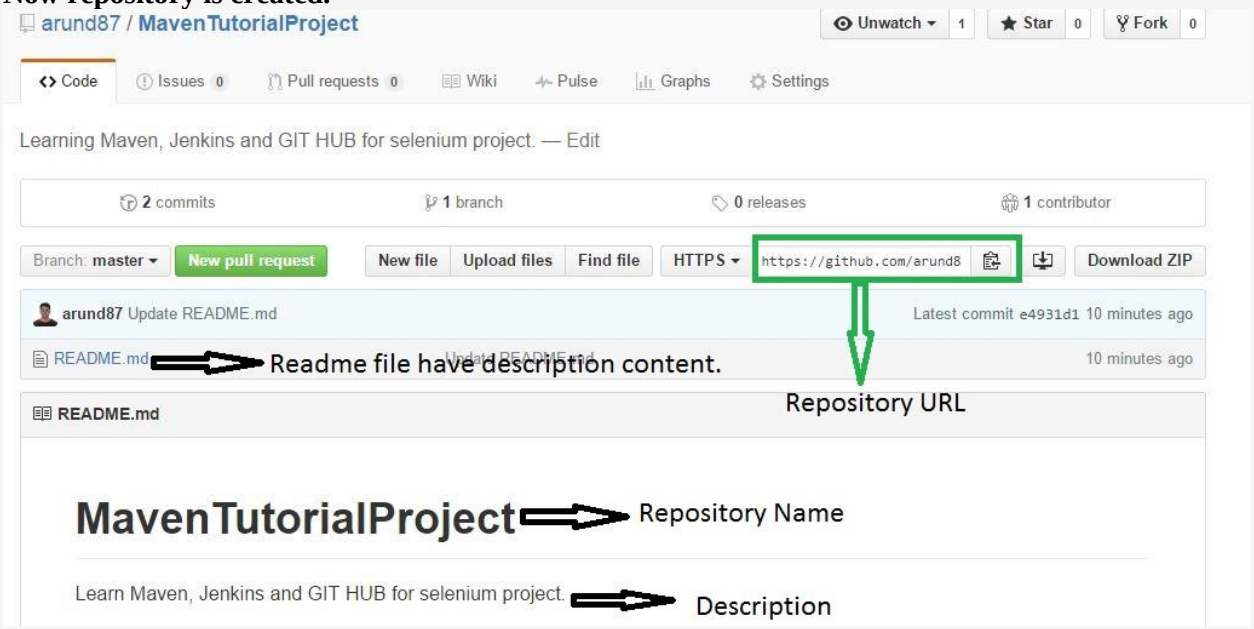
* Login into GITHUB using the above credentials.



***Upper right hand side you see New repositories ->click to create.**
Now Enter repositories name , Description, Check public(free), Check Initialize this repository with a README.

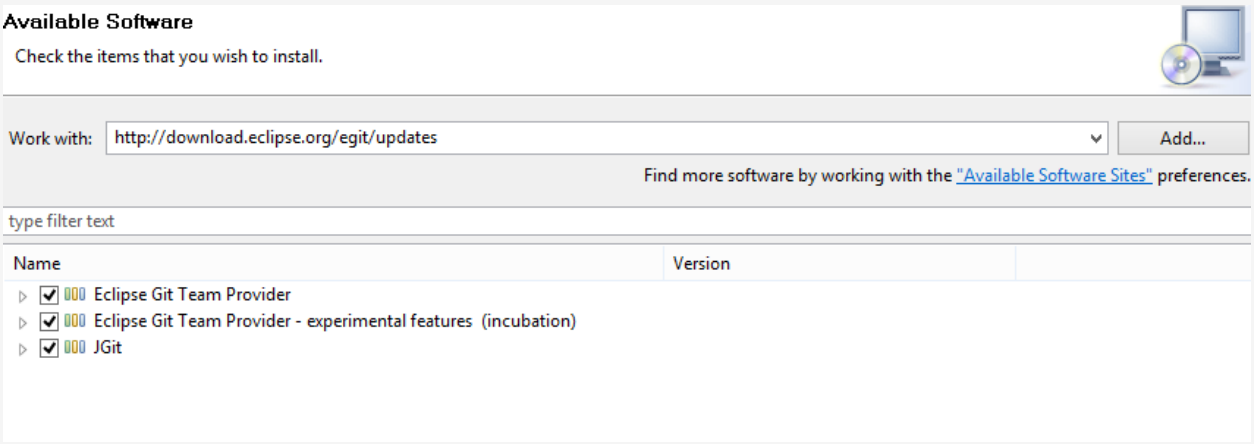


Now repository is created.

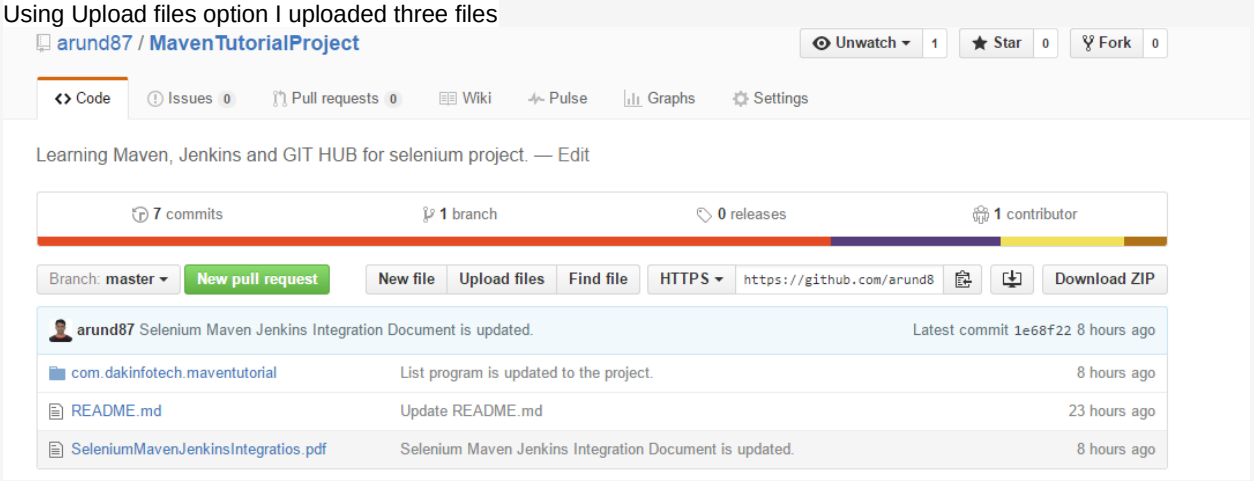


*Open eclipse .

If the Git functionality is missing in your Eclipse IDE installation, you can install it via the Eclipse installation manager. Start this manager via the *Help → Install new Software...* menu entry by using the following update site URL: `http://download.eclipse.org/egit/updates`



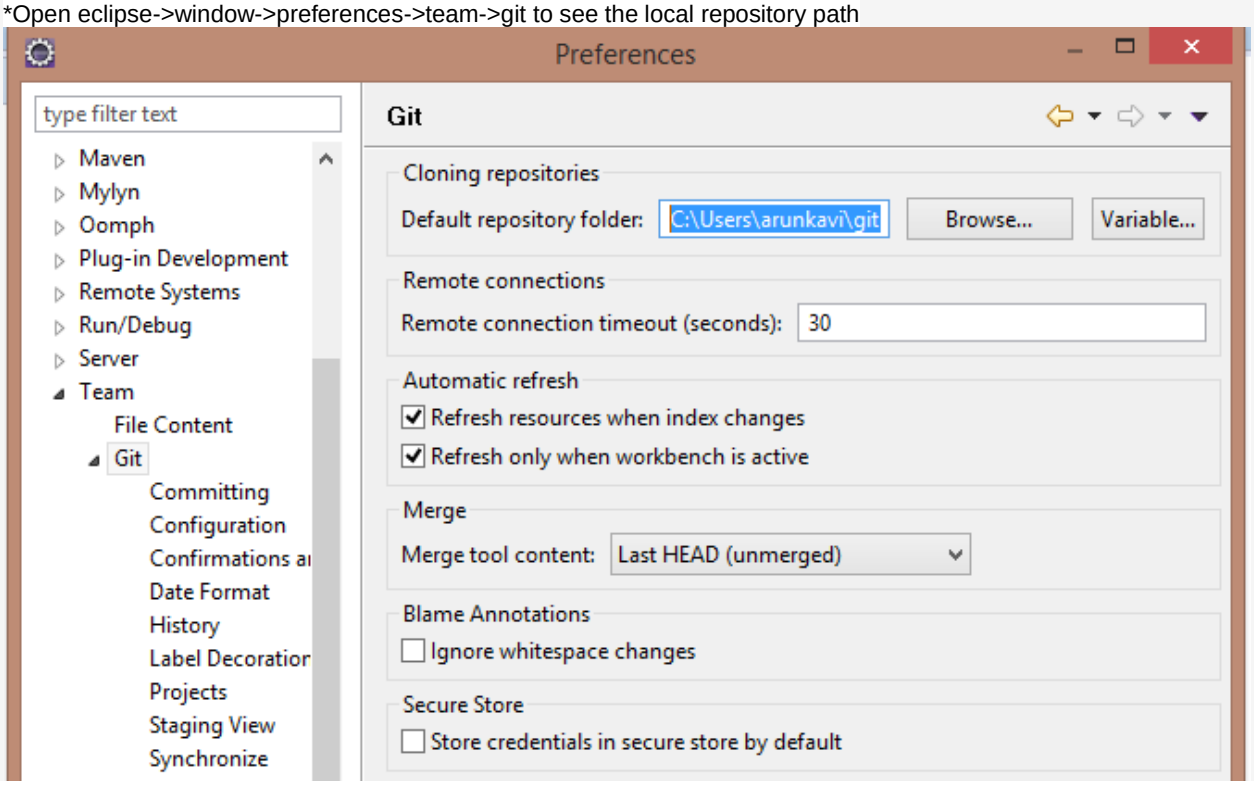
Using Upload files option I uploaded three files



***Now my repository having three file(project, readme, document).**

*Copy the github URL: https://github.com/arund87/MavenTutorialProject.git

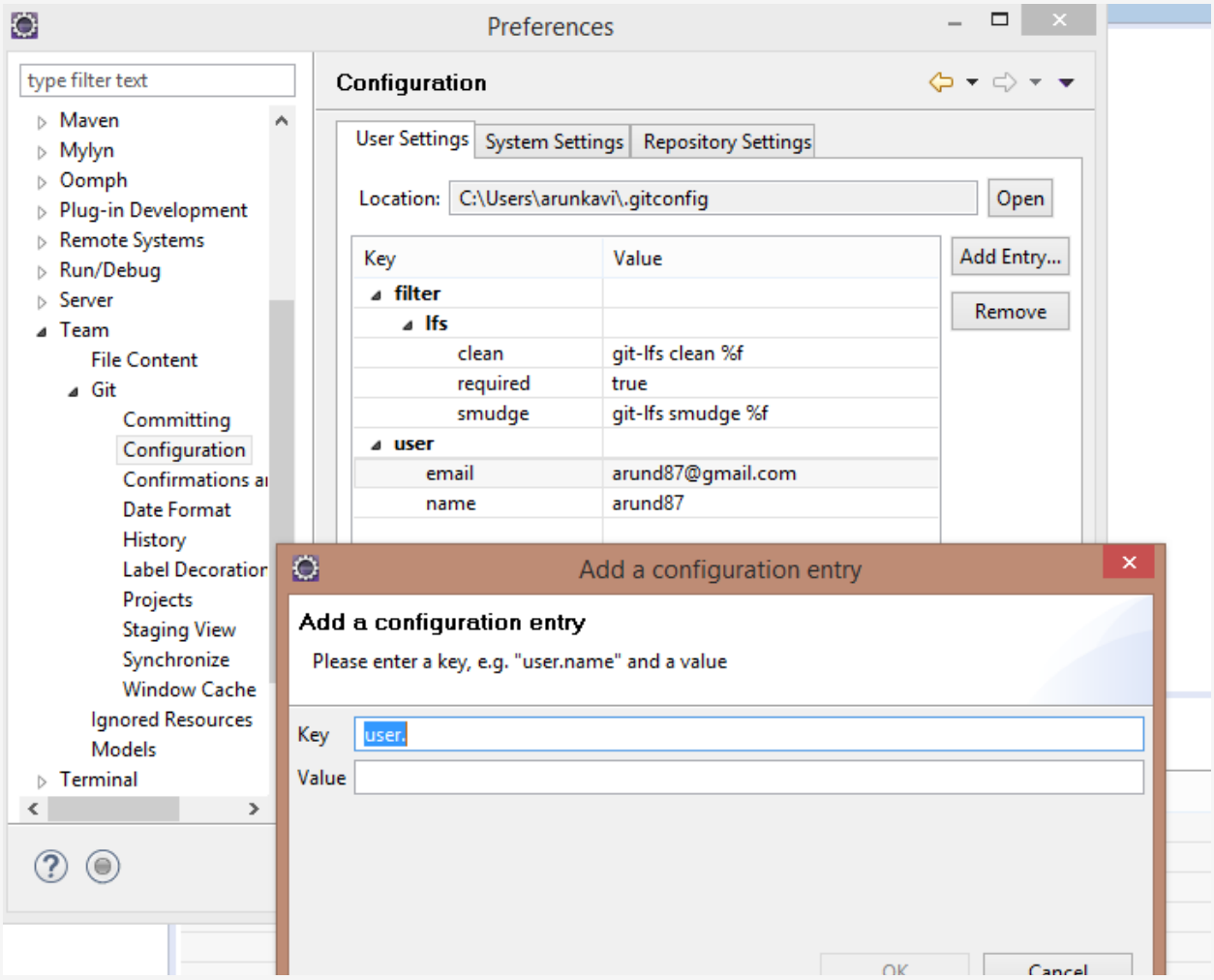
*Open eclipse->window->preferences->team->git to see the local repository path



Select *Window → Preferences → Team → Git → Configuration* and add your full name and email setting to your user settings if this is not yet configured.

The user should be stored under the ***`user.name`*** key with the full name as value. If it is not available press the *Add Entry...*button. Repeat the procedure for your email address via the ***`user.email`*** key.

Unless you have a different opinion about rebase and merge commits, also set the *`branch.autosetuprebase`*** parameter to ***`always`*.**


Preferences
type filter text
Maven
Mylyn
Oomph
Plug-in Development
Remote Systems
Run/Debug
Server
Team
File Content
Git
Committing
Configuration
Confirmations a
Date Format
History
Label Decoratior
Projects
Staging View
Synchronize
Window Cache
Ignored Resources
Models
Terminal
Configuration
User Settings
System Settings
Repository Settings
Location:
C:\Users\arunkavi\.gitconfig
Open
Key
Value
Add Entry...
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lfs
clean
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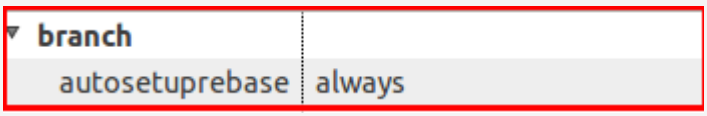
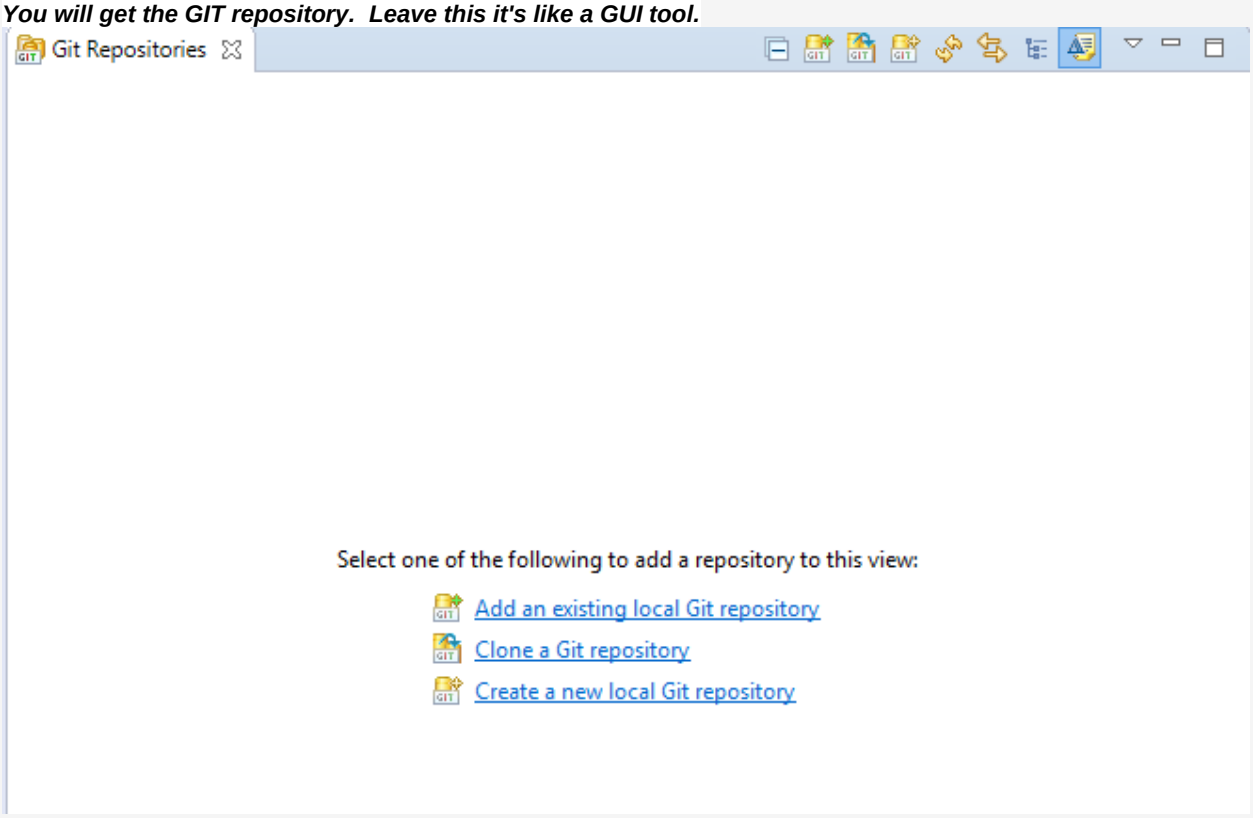
required
true
smudge
git-lfs smudge %f
user
email
arund87@gmail.com
name
arund87
Add a configuration entry
Add a configuration entry
Please enter a key, e.g. "user.name" and a value
Key
user.
Value
OK
Cancel


branch
autosetuprebase
always

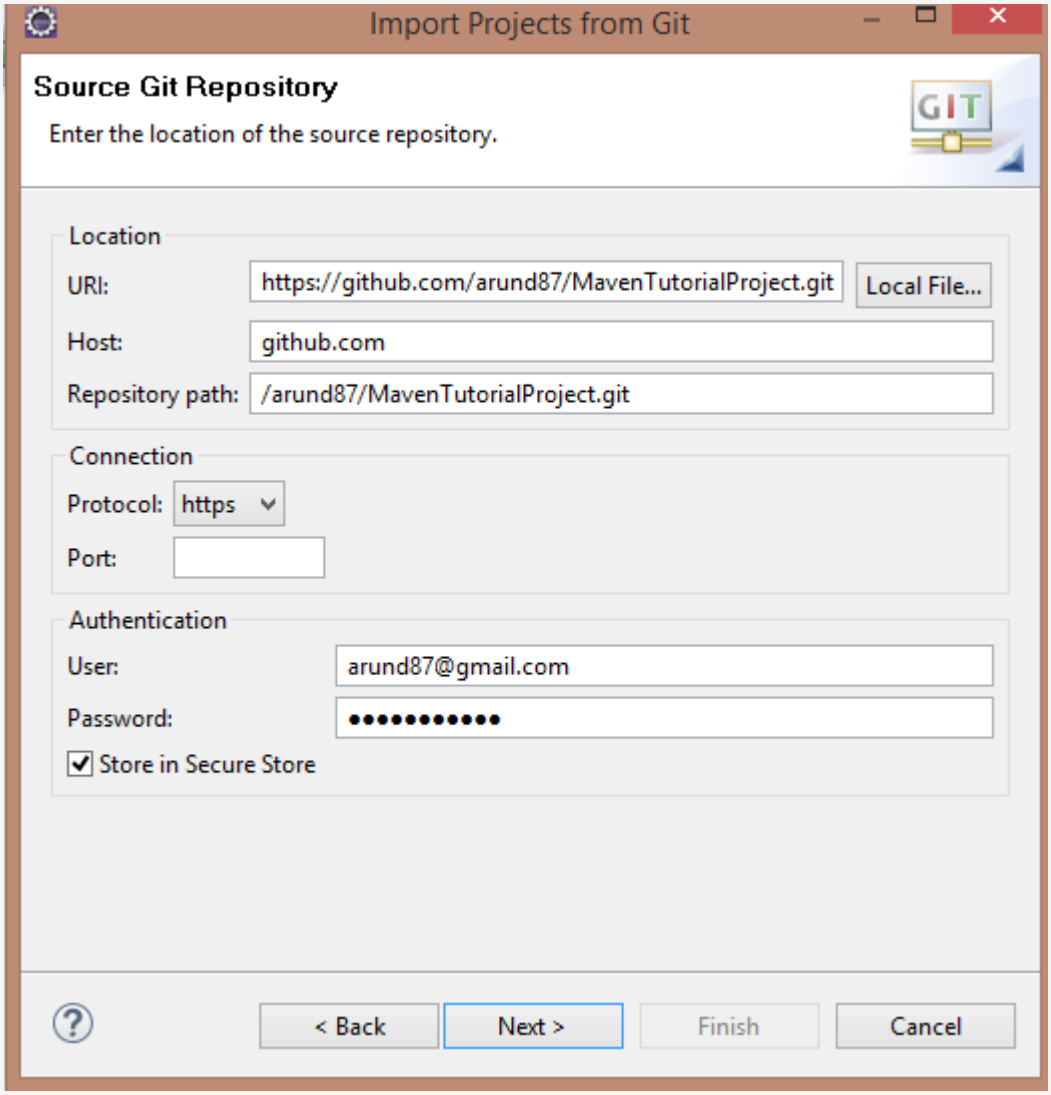
Window->Perspective →open Perspective->other->Add GIT.

You will get the GIT repository. Leave this it's like a GUI tool.



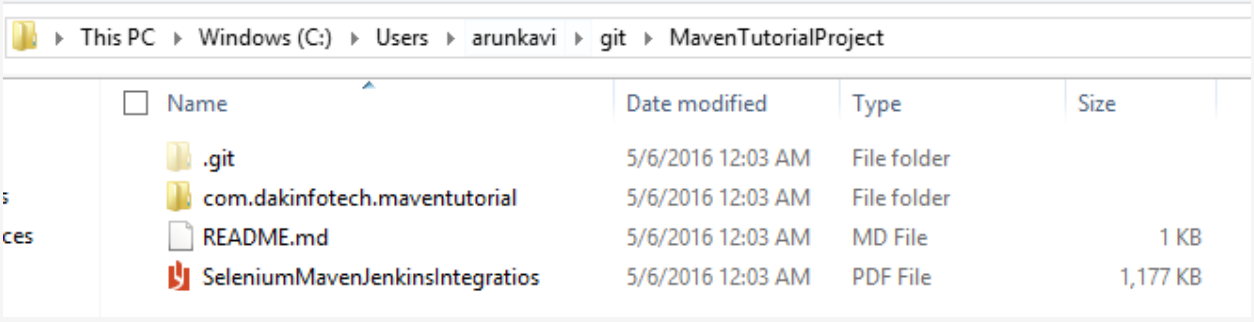
Eclipse->File->Import->GIT->Project from Git->clone URI.

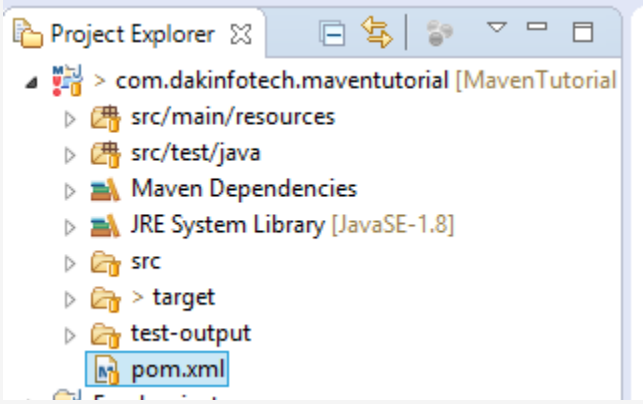
github URL: https://github.com/arund87/MavenTutorialProject.git



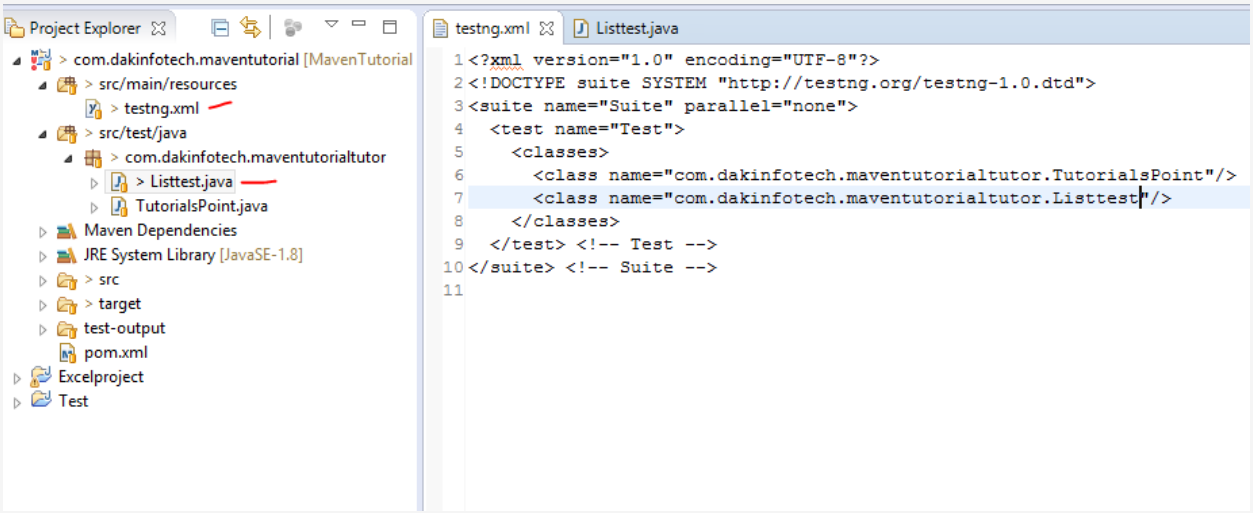
Next->next...->Finish the job.

Cloning and import successful to the local and Eclipse.





Created new class Listtest in src/test/java and modified testNG file in src/main/resources.



See > symbols appeared on the project it denotes file modified ready for commit and push.

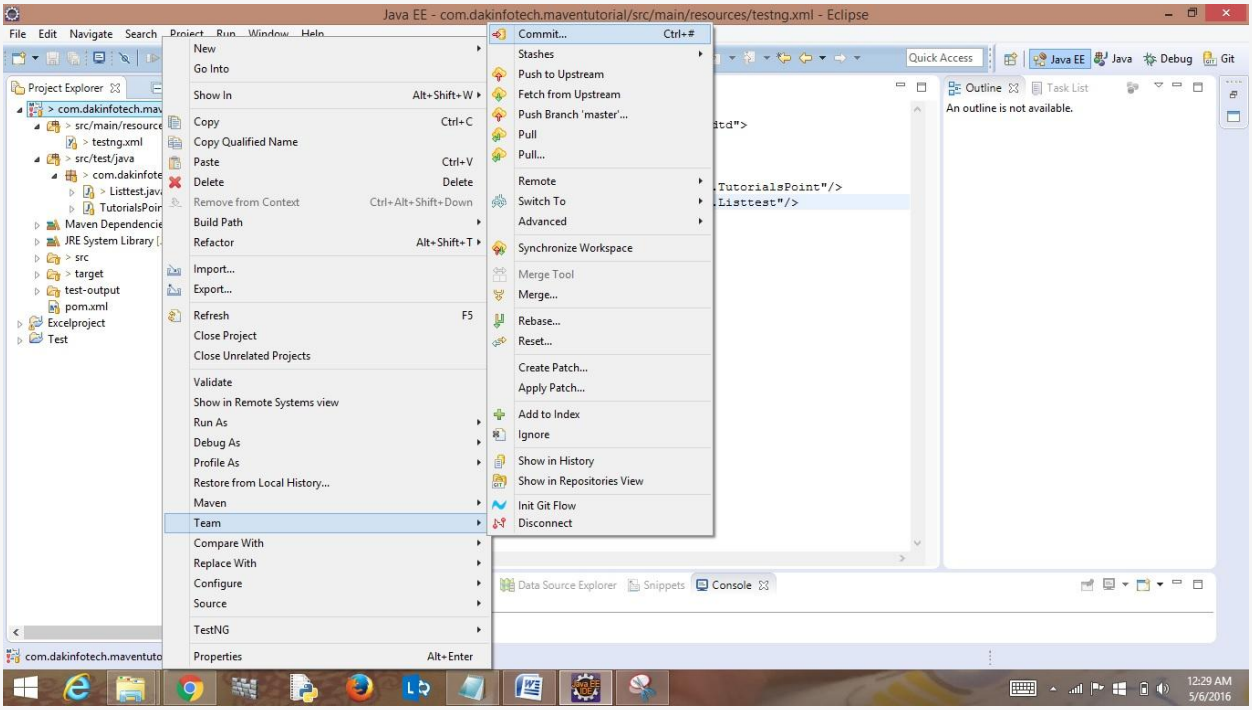
Note: Before commit please check locally(eclipse), program is executing without any errors.

Commit: modification done file is ready to push.

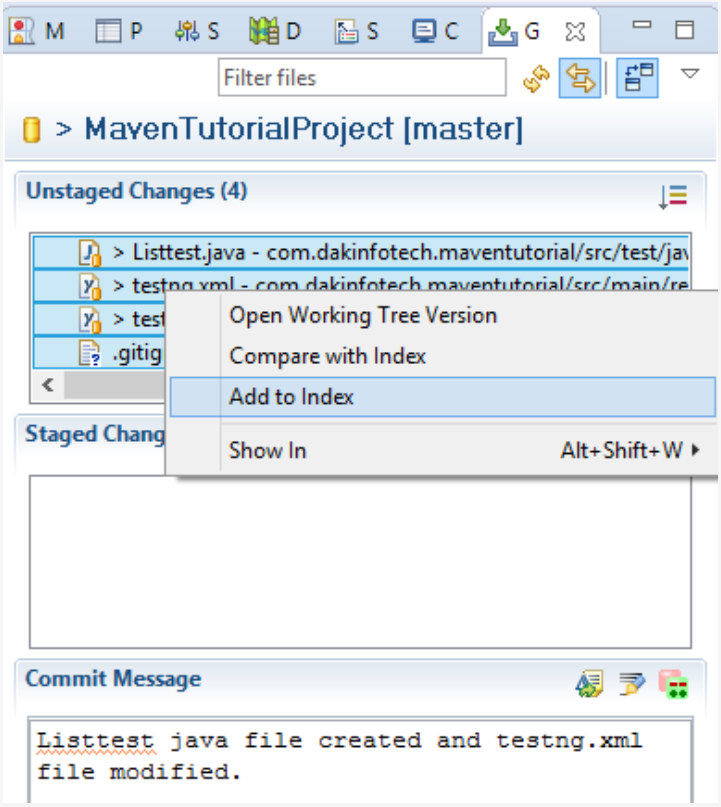
Push: Copy to local/remote repository.

Pull: Copy from remote repository to local.

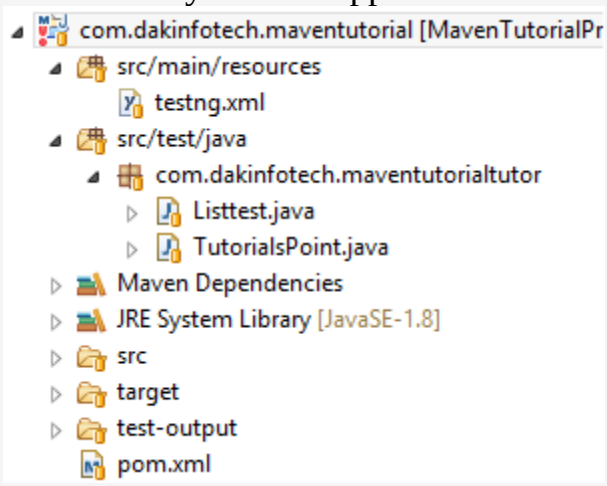
Do commit



Once you press commit "Git staging" window appear. There in unstaged changes it will shows the modified files. Right click those ->add index then do commit and push. Before commit enter the description in commit message field.

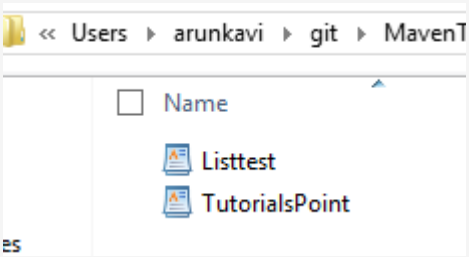


See now > symbol disappears.

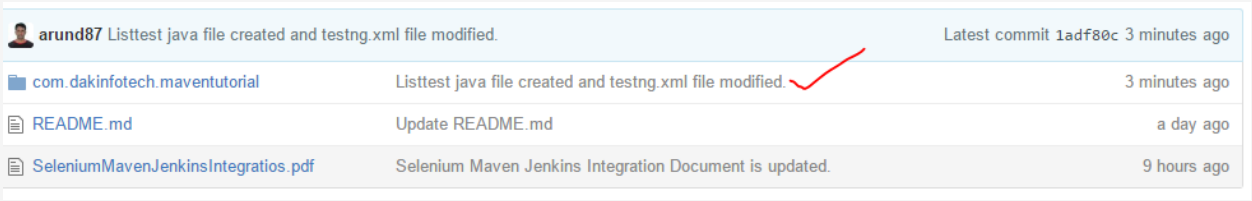


Check repository is updated in:

Local:



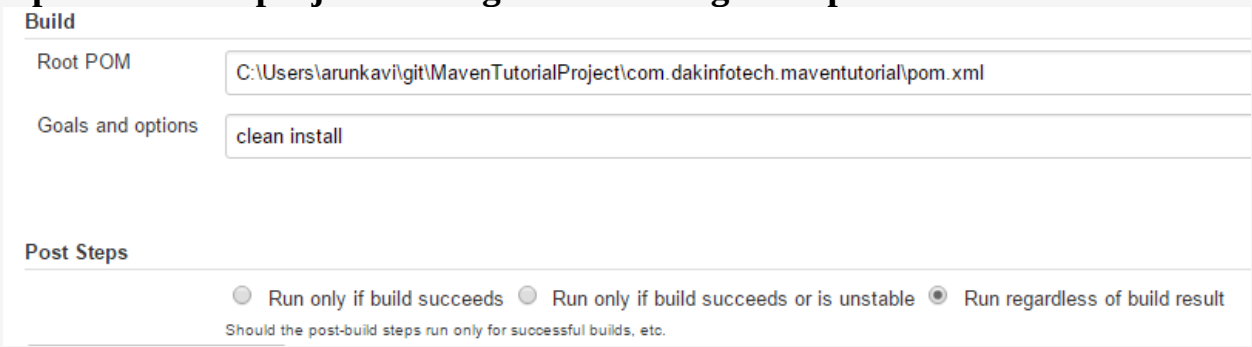
Remote:



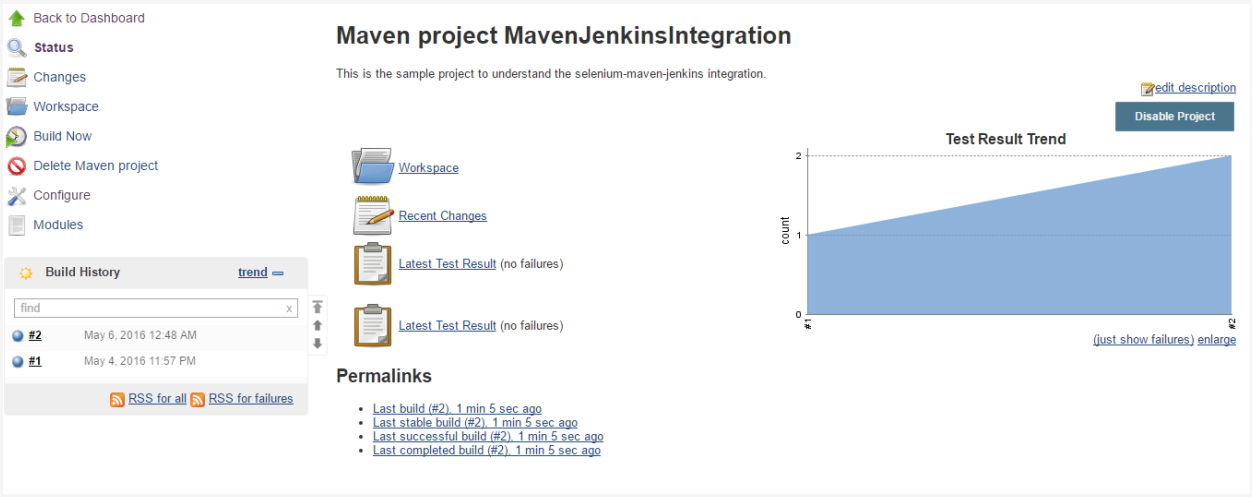
Yes it is Updated.

Now Run the Maven project in Jenkins.
Right click on the pom.xml file and copy the path.
C:\Users\arunkavi\git\MavenTutorialProject\com.dakinfotech.maventutorial\pom.xml

Open Jenkins->project->configuration->assign this path and save.

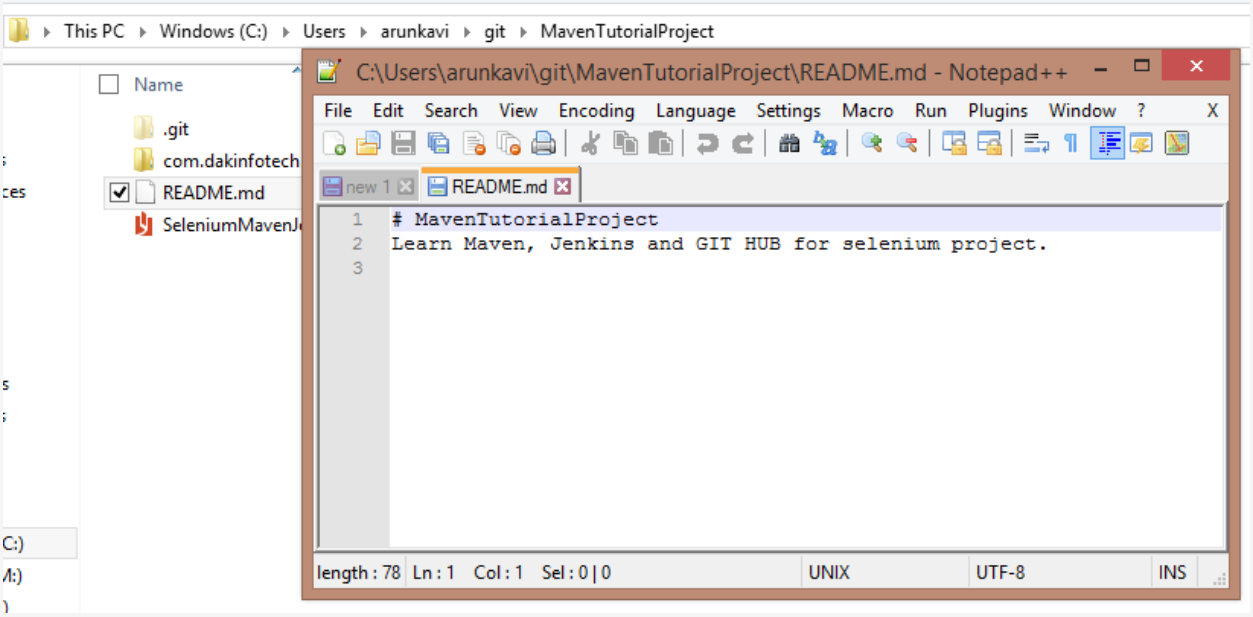


Local repository path.
Now click Build Now to Run the program.

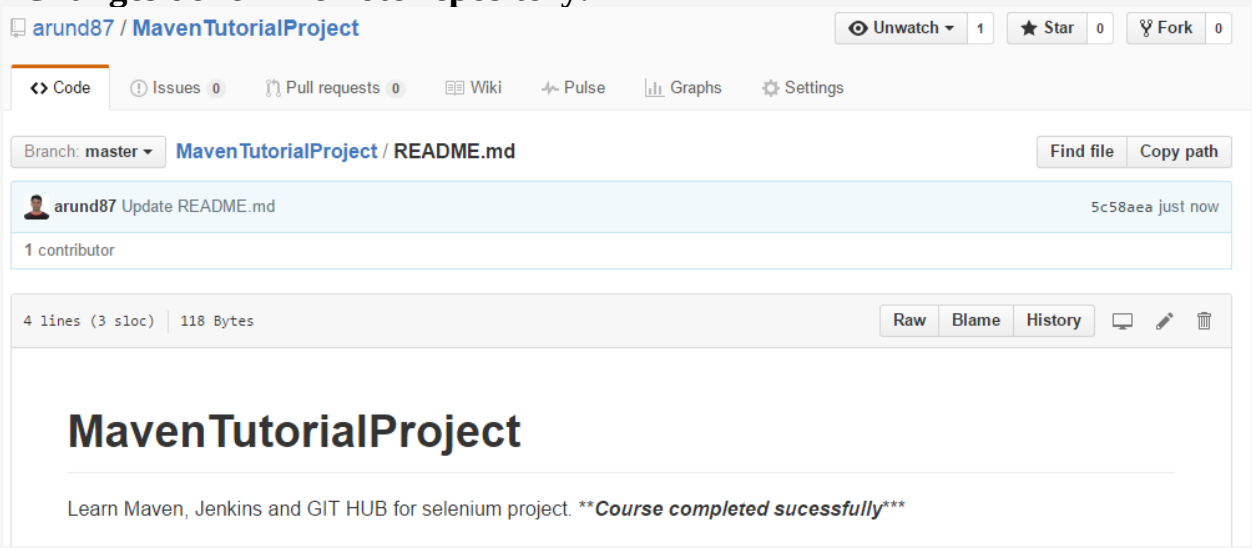


Congratulations your program successfully ran in Jenkins from Github repository.

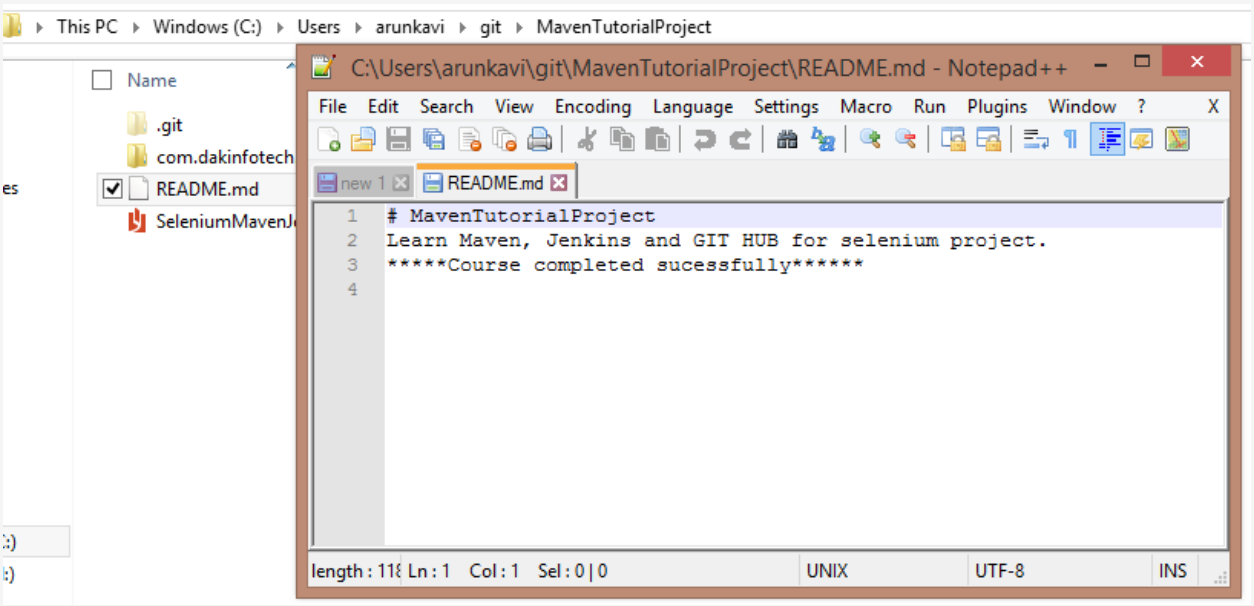
PULL:
Local repository readme file content.



I am going to change the content of readme file in remote repository and do pull to update in local repository.
***Changes done in remote repository.**



Go to eclipse right click the project->team->pull.
Good, data copied from remote successfully.


This PC
Windows (C:)
Users
arunkavi
git
MavenTutorialProject
Name
.git
com.dakinfotech
README.md
C:\Users\arunkavi\git\MavenTutorialProject\README.md - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
new 1
README.md
1 # MavenTutorialProject
2 Learn Maven, Jenkins and GIT HUB for selenium project.
3 *****Course completed sucessfully******
4
length : 118 Ln : 1 Col : 1 Sel : 0 | 0
UNIX
UTF-8
INS

**********Thank You**********