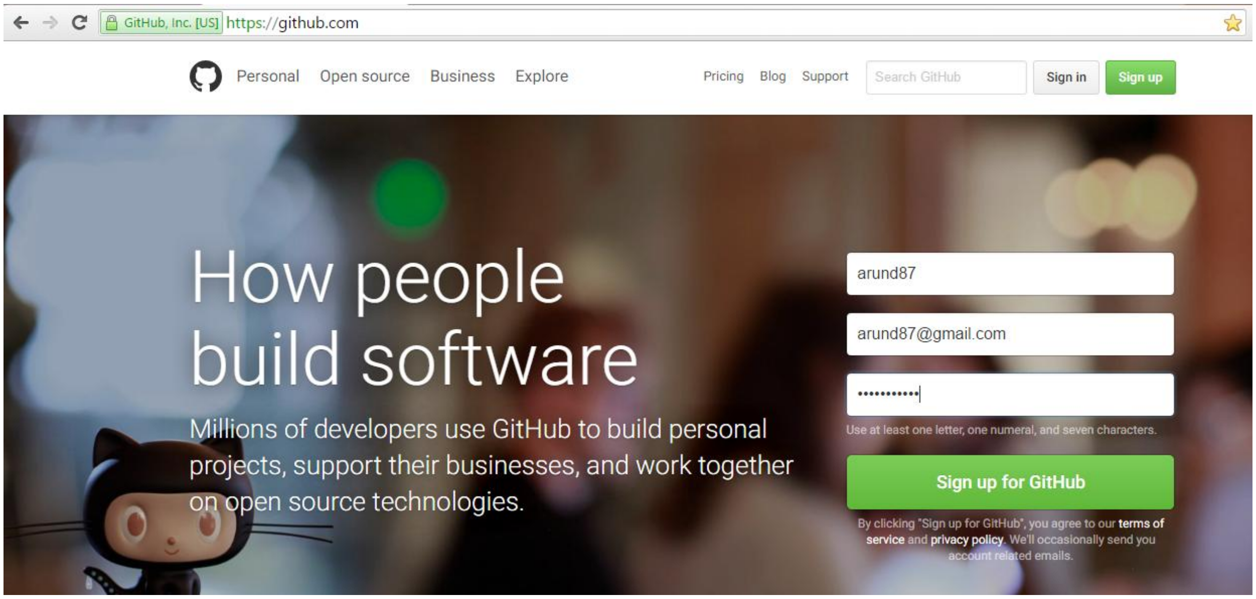
Selenium Maven Jenkins GITHUB Integration

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

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



How people build software

Millions of developers use GitHub to build personal projects, support their businesses, and work together on open source technologies.

arund87

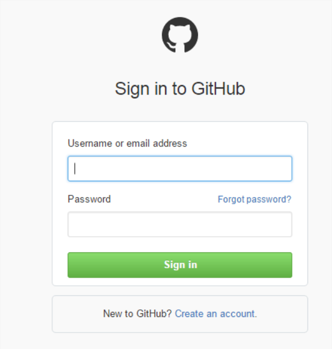
arund87@gmail.com

Use at least one letter, one numeral, and seven characters.

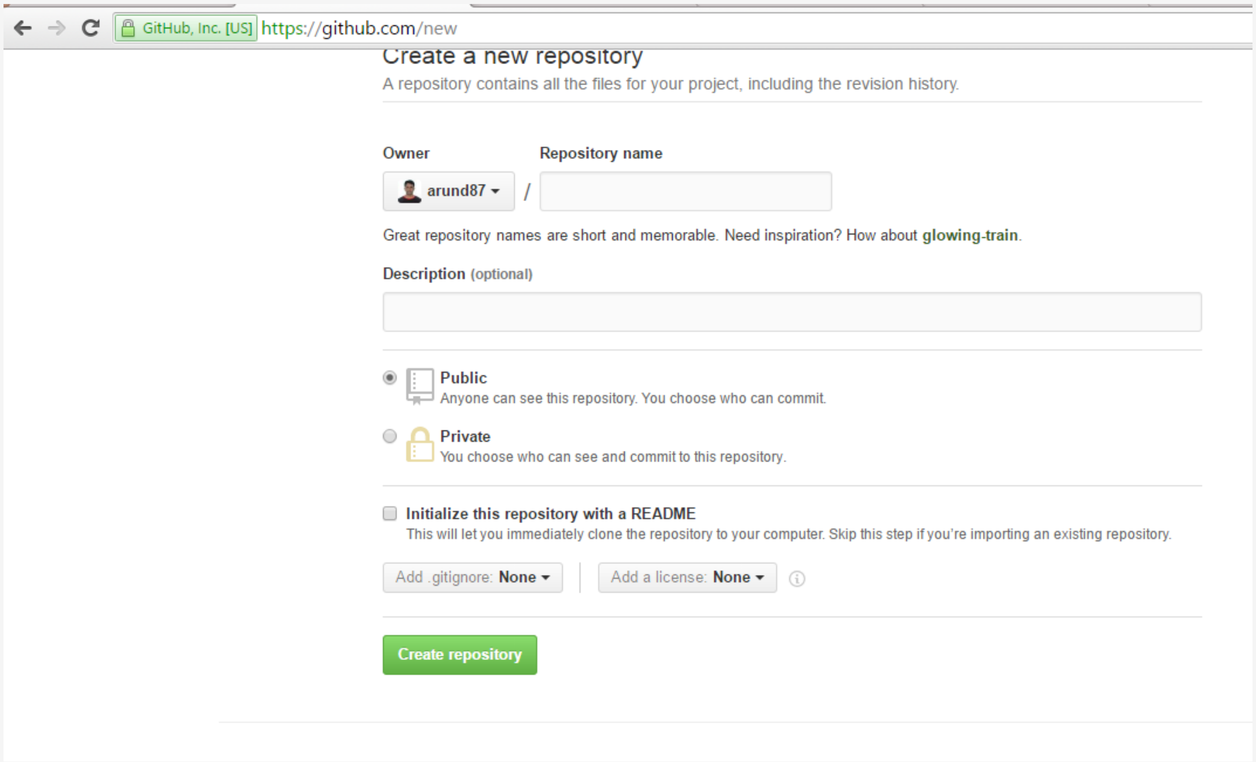
By clicking "Sign up for GitHub", you agree to our terms of service and privacy policy. We'll occasionally send you account related emails.

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.**



https://github.com/new

Create a new repository

A repository contains all the files for your project, including the revision history.

Owner: arund87 / Repository name:

Great repository names are short and memorable. Need inspiration? How about **glowing-train**.

Description (optional)

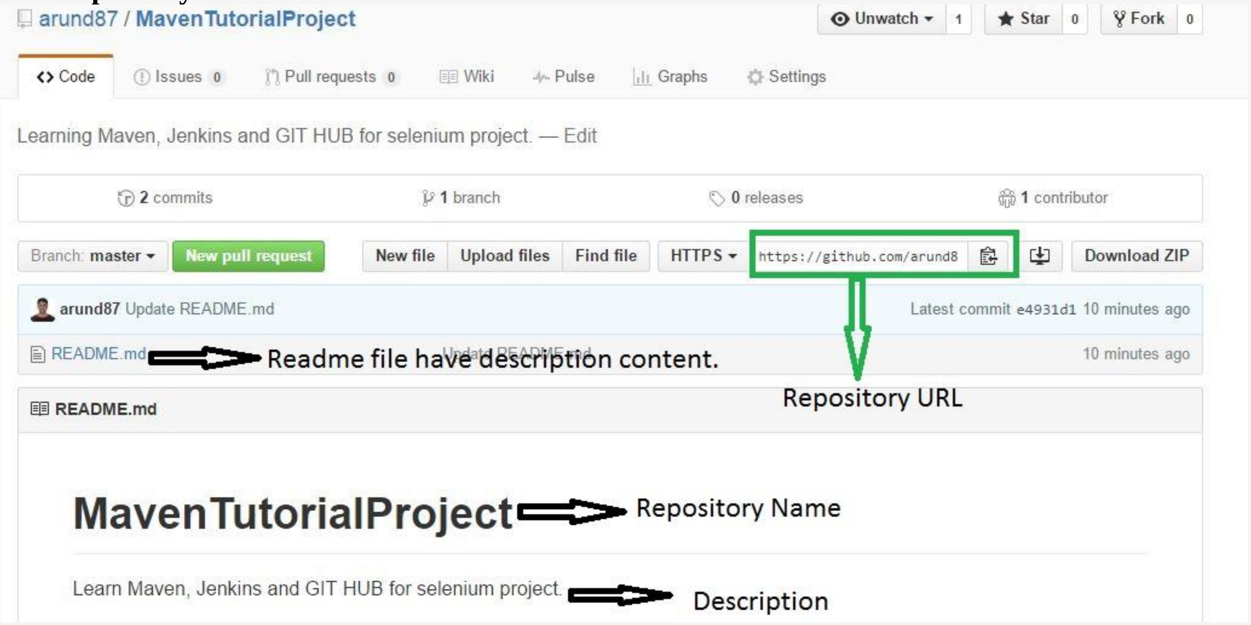
● **Public**
Anyone can see this repository. You choose who can commit.

○ **Private**
You choose who can see and commit to this repository.

□ **Initialize this repository with a README**
This will let you immediately clone the repository to your computer. Skip this step if you're importing an existing repository.

Add .gitignore: **None** | Add a license: **None**

Now repository is created.



arund87 / **MavenTutorialProject**

Learning Maven, Jenkins and GIT HUB for selenium project. — Edit

2 commits | 1 branch | 0 releases | 1 contributor

https://github.com/arund8

arund87 Update README.md — Latest commit e4931d1 10 minutes ago

README.md — Update README.md — 10 minutes ago

Readme file have description content.

Repository URL

README.md

MavenTutorialProject

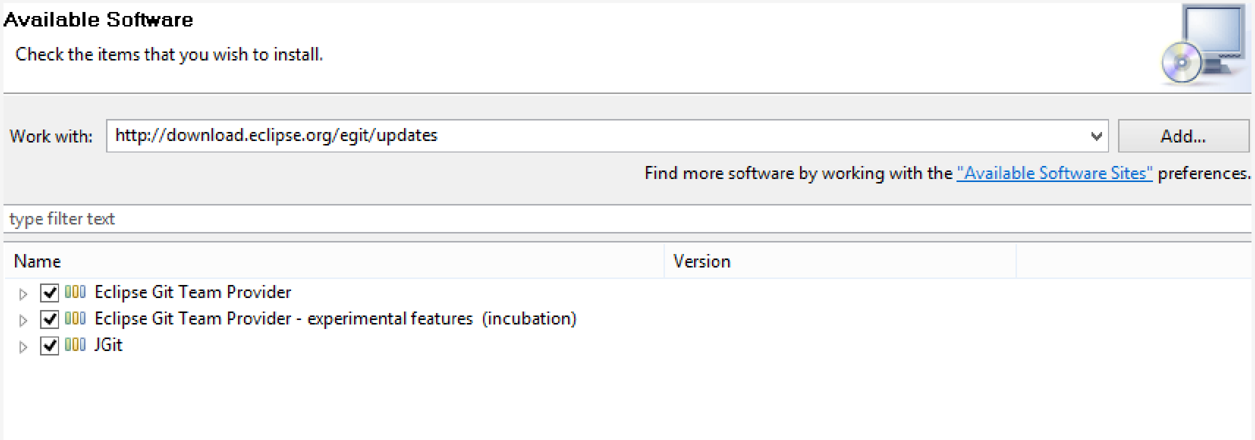
Repository Name

Learn Maven, Jenkins and GIT HUB for selenium project.

Description

*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`



Available Software

Check the items that you wish to install.

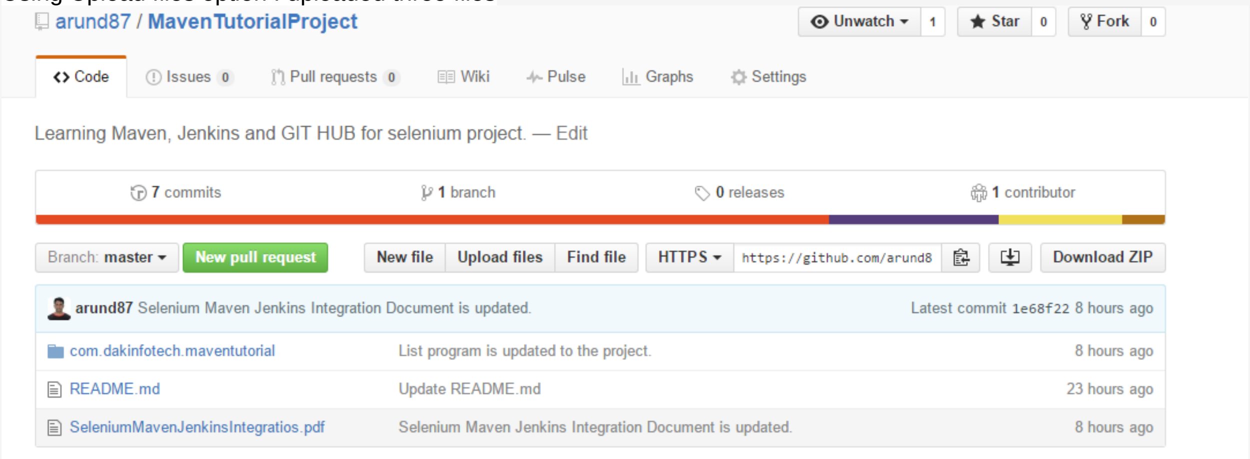
Work with: http://download.eclipse.org/egit/updates

Find more software by working with the "Available Software Sites" preferences.

type filter text

Name	Version
☑ Eclipse Git Team Provider	
☑ Eclipse Git Team Provider - experimental features (incubation)	
☑ JGit	

Using Upload files option I uploaded three files



arund87 / **MavenTutorialProject**

Learning Maven, Jenkins and GIT HUB for selenium project. — Edit

7 commits 1 branch 0 releases 1 contributor

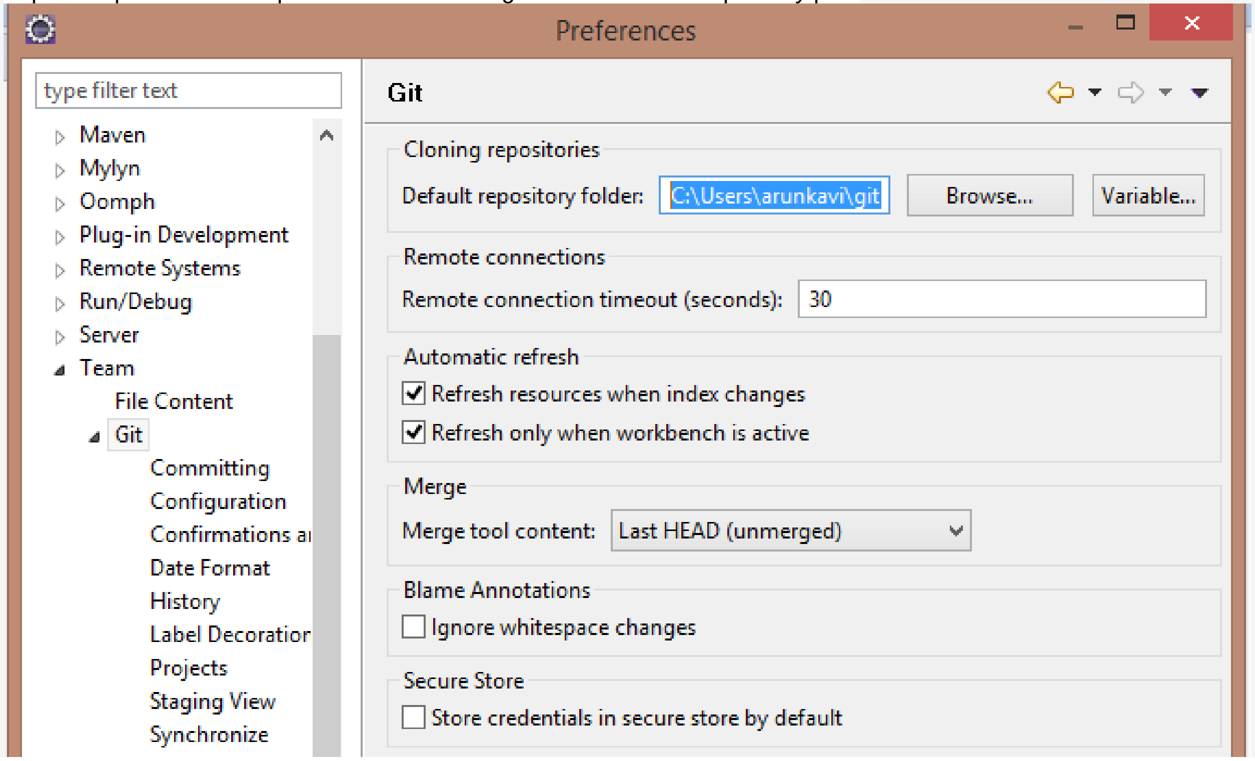
arund87 Selenium Maven Jenkins Integration Document is updated. Latest commit 1e68f22 8 hours ago

com.dakinfotech.maventutorial	List program is updated to the project.	8 hours ago
README.md	Update README.md	23 hours ago
SeleniumMavenJenkinsIntegratios.pdf	Selenium Maven Jenkins Integration Document is updated.	8 hours ago

***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



Git

Cloning repositories

Default repository folder: C:\Users\arunkavi\git

Remote connections

Remote connection timeout (seconds): 30

Automatic refresh

☑ Refresh resources when index changes

☑ Refresh only when workbench is active

Merge

Merge tool content: Last HEAD (unmerged)

Blame Annotations

□ Ignore whitespace changes

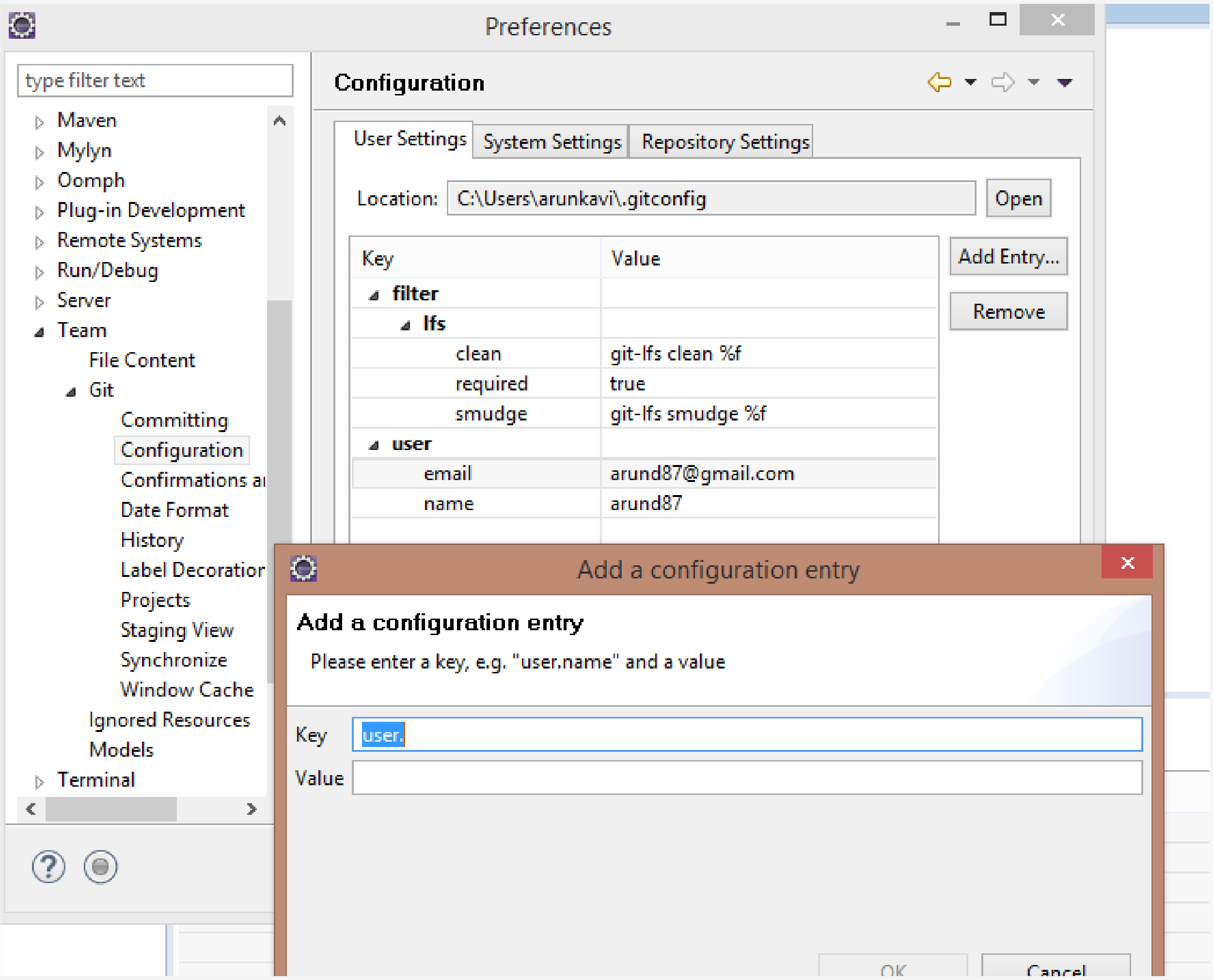
Secure Store

□ Store credentials in secure store by default

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`*.



Location: C:\Users\arunkavi\.gitconfig

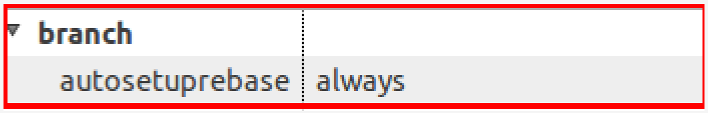
Key	Value
filter	
lfs	
clean	git-lfs clean %f
required	true
smudge	git-lfs smudge %f
user	
email	arund87@gmail.com
name	arund87

Add a configuration entry

Please enter a key, e.g. "user.name" and a value

Key: user.

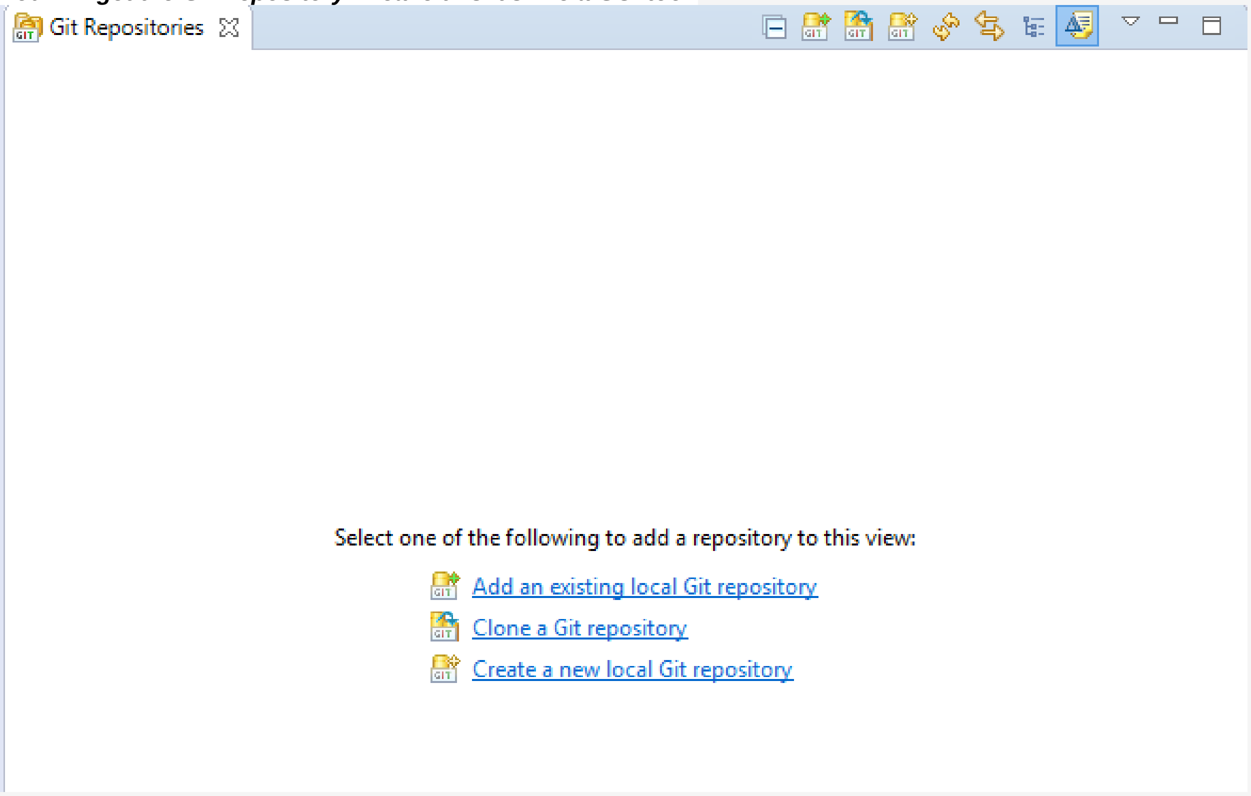
Value:



branch	
autosetuprebase	always

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

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

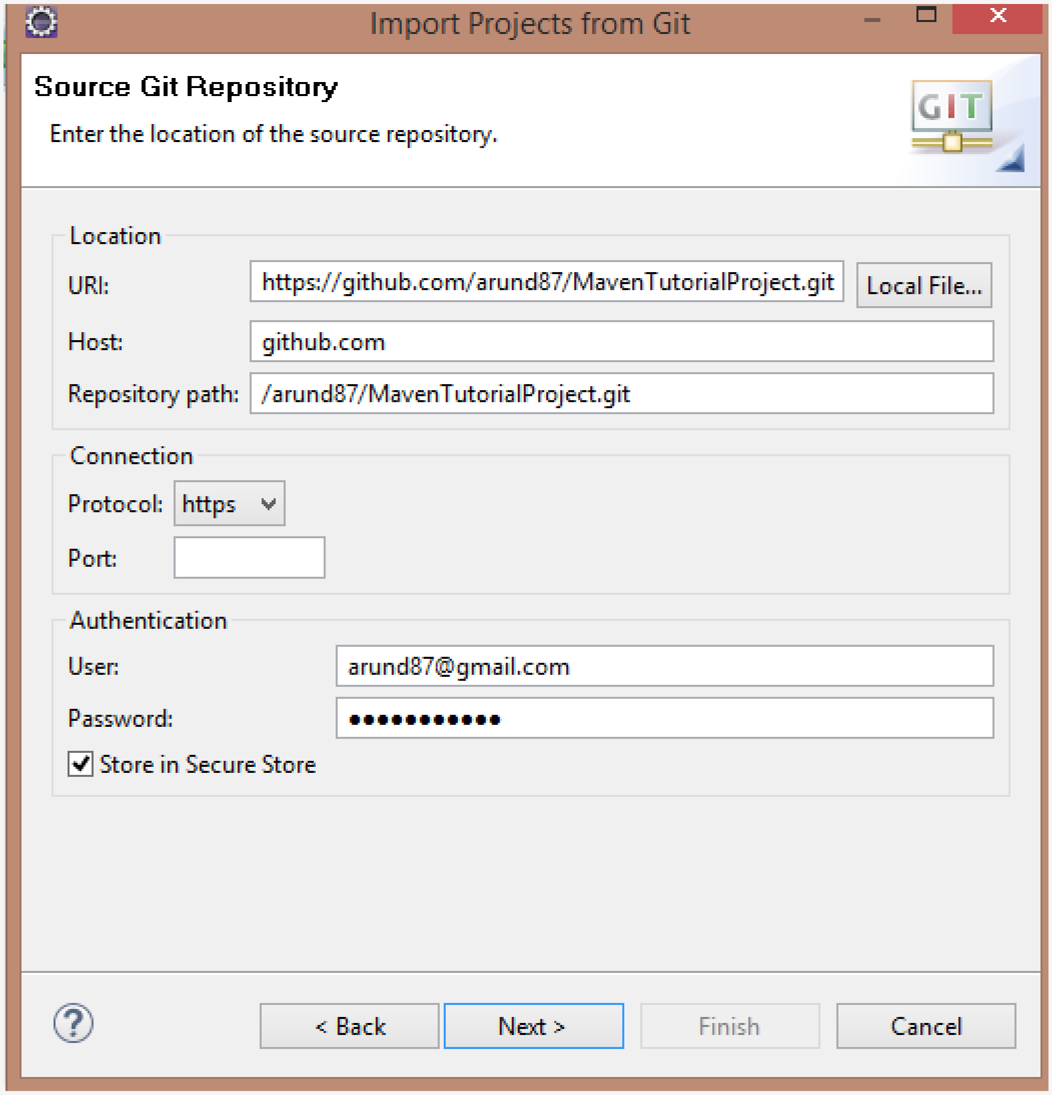


Select one of the following to add a repository to this view:

- Add an existing local Git repository
- Clone a Git repository
- Create a new local Git repository

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

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



Source Git Repository

Enter the location of the source repository.

Location

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

Host: github.com

Repository path: /arund87/MavenTutorialProject.git

Connection

Protocol: https

Port:

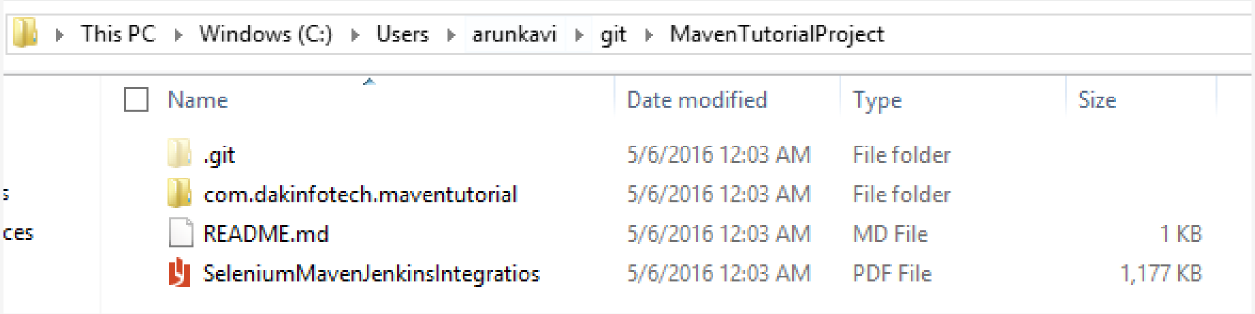
Authentication

User: arund87@gmail.com

Password: ●●●●●●●●●●●●

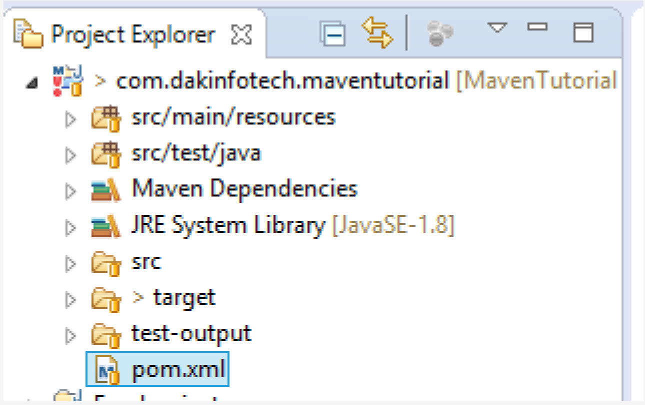
☑ Store in Secure Store

Next->next...->Finish the job.
Cloning and import successful to the local and Eclipse.

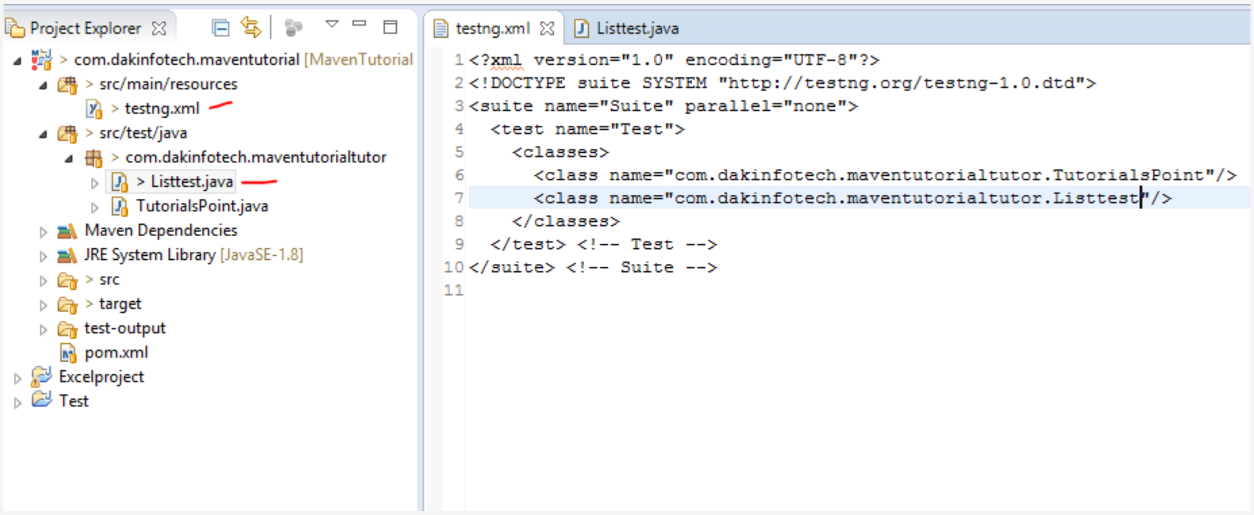


This PC ▸ Windows (C:) ▸ Users ▸ arunkavi ▸ git ▸ MavenTutorialProject

Name	Date modified	Type	Size
.git	5/6/2016 12:03 AM	File folder	
com.dakinfotech.maventutorial	5/6/2016 12:03 AM	File folder	
README.md	5/6/2016 12:03 AM	MD File	1 KB
SeleniumMavenJenkinsIntegratios	5/6/2016 12:03 AM	PDF File	1,177 KB



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



```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
<suite name="Suite" parallel="none">
  <test name="Test">
    <classes>
      <class name="com.dakinfotech.maventutorialtutor.TutorialsPoint"/>
      <class name="com.dakinfotech.maventutorialtutor.Listtest"/>
    </classes>
  </test> <!-- Test -->
</suite> <!-- Suite -->
```

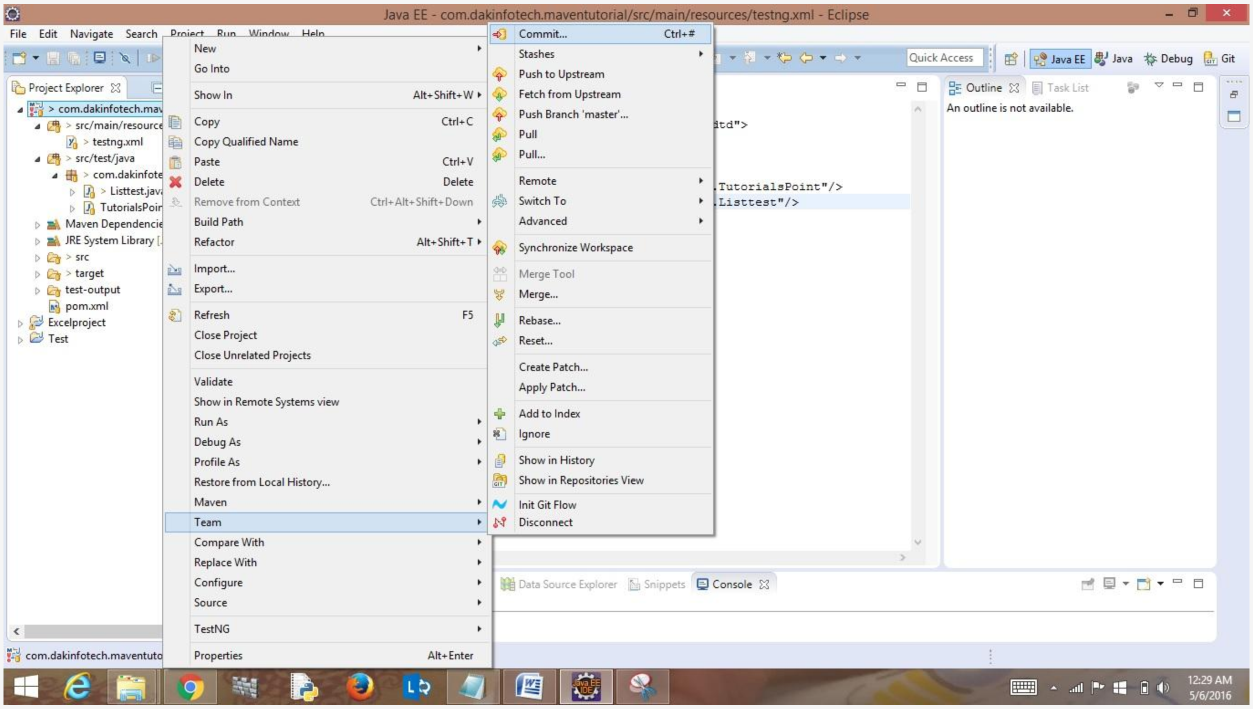
See > symbols appeared on the project it denotes file modified ready for commit and push.

Commit: modification done file is ready to push.

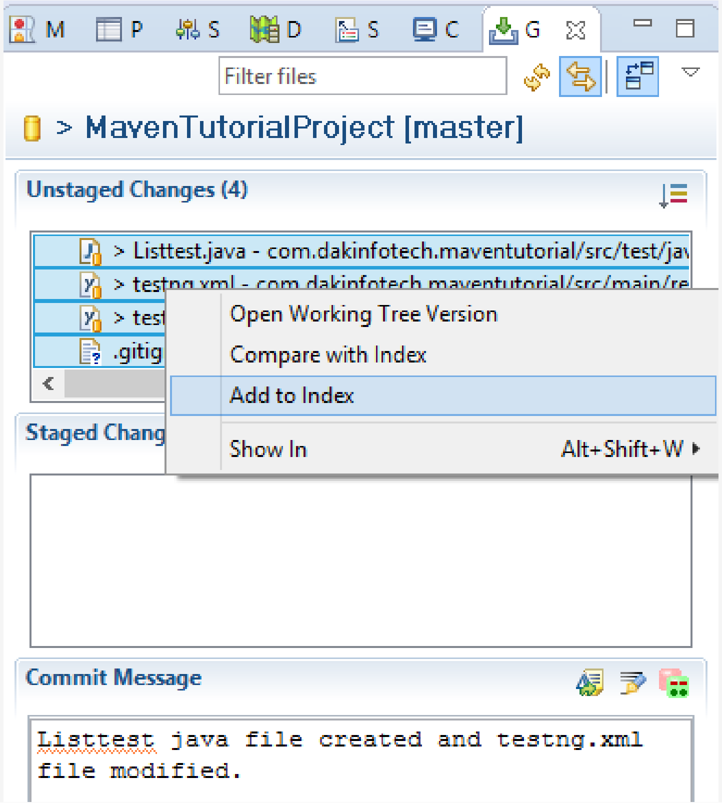
Push: Copy to local/remote repository.

Pull: Copy from remote repository to local.

Do commit

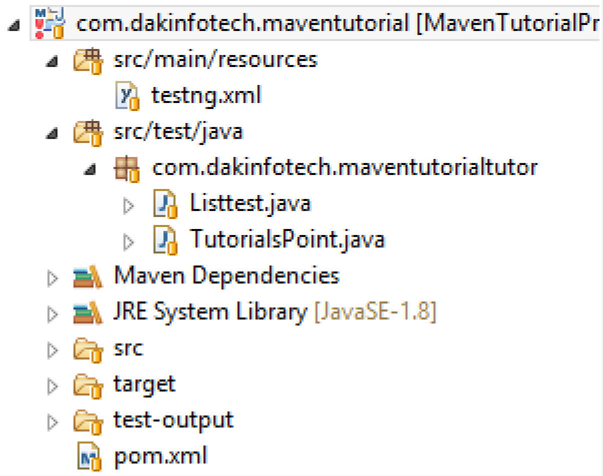


Once you press commit "Git staging" window appear. There in unstaged changes it will shows the modified files. Right click those ->add index then do commit and push. Before commit enter the description in commit message field.

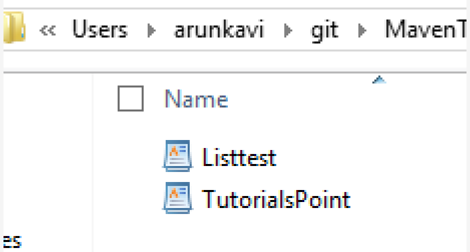

M
P
S
D
S
C
G
Filter files
> MavenTutorialProject [master]
Unstaged Changes (4)
> Listtest.java - com.dakinfotech.maventutorial/src/test/jav
> testng.xml - com.dakinfotech.maventutorial/src/main/re
> test
.gitig
Open Working Tree Version
Compare with Index
Add to Index
Show In Alt+Shift+W
Staged Chang
Commit Message

```
Listtest java file created and testng.xml
file modified.
```

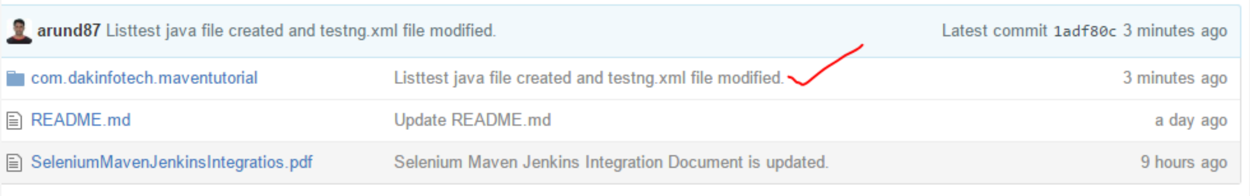
See now > symbol disappears.



Check repository is updated in:
Local:



Remote:



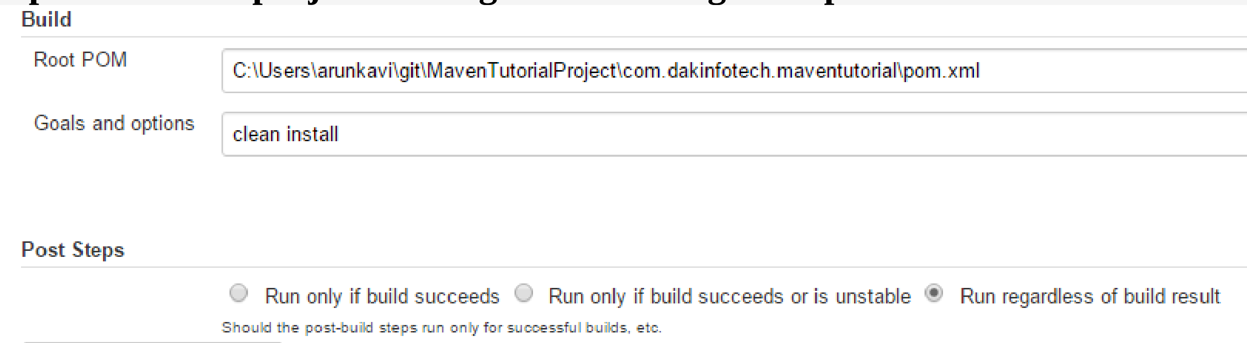
arund87 Listtest java file created and testng.xml file modified. Latest commit 1adf80c 3 minutes ago

com.dakinfotech.maventutorial	Listtest java file created and testng.xml file modified.	3 minutes ago
README.md	Update README.md	a day ago
SeleniumMavenJenkinsIntegratios.pdf	Selenium Maven Jenkins Integration Document is updated.	9 hours ago

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.



Build

Root POM: C:\Users\arunkavi\git\MavenTutorialProject\com.dakinfotech.maventutorial\pom.xml

Goals and options: clean install

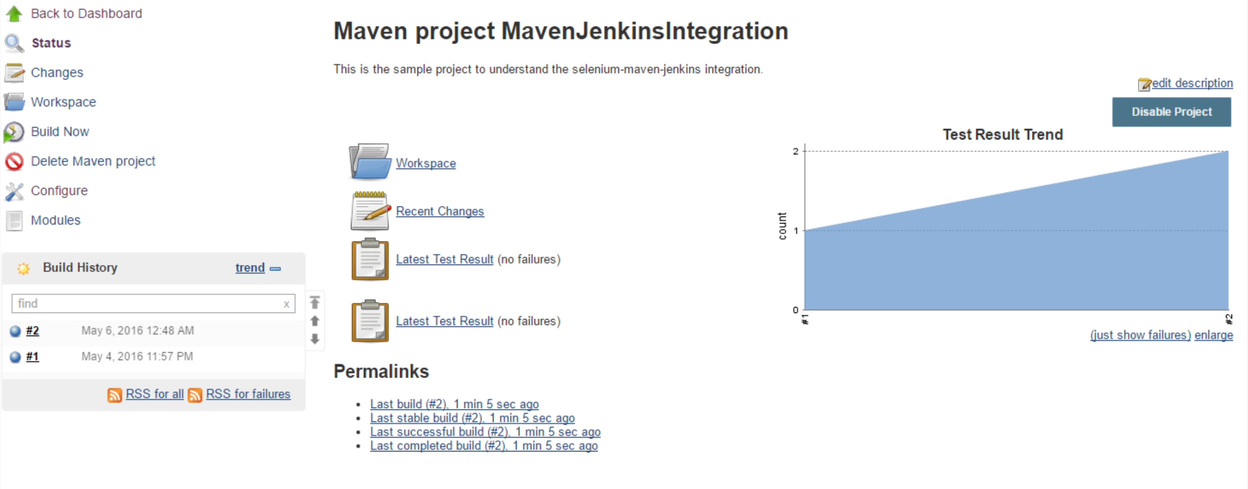
Post Steps

○ 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.

Local repository path.

Now click Build Now to Run the program.



Maven project MavenJenkinsIntegration

This is the sample project to understand the selenium-maven-jenkins integration.

#2	May 6, 2016 12:48 AM
#1	May 4, 2016 11:57 PM

Workspace

Recent Changes

Latest Test Result (no failures)

Latest Test Result (no failures)

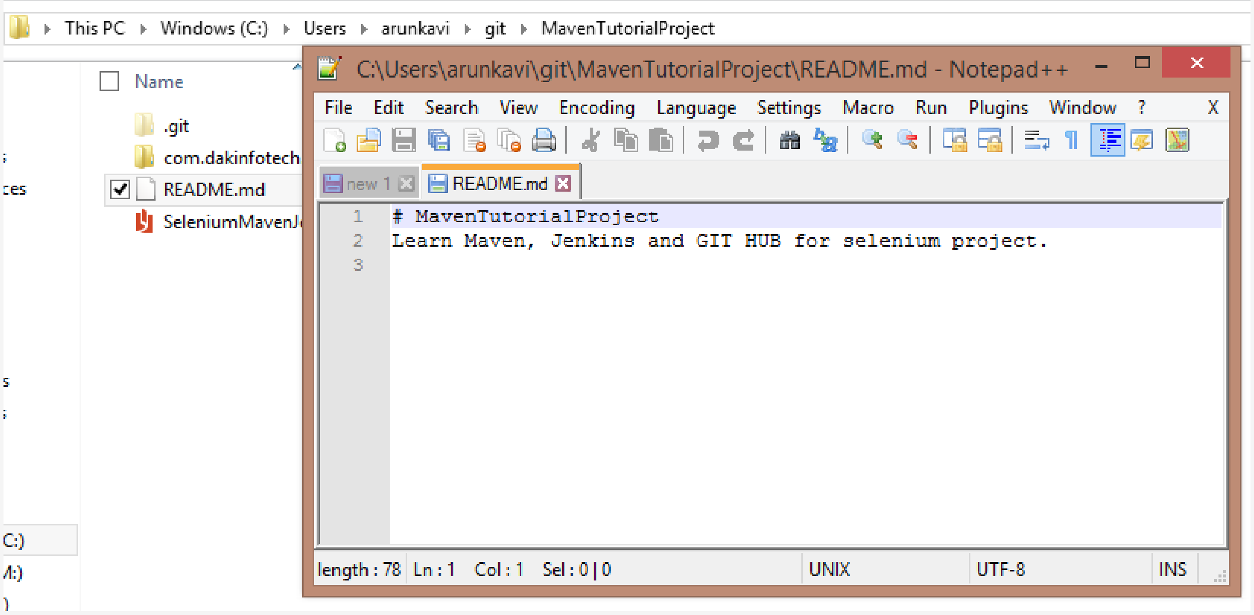
Permalinks

- Last build (#2), 1 min 5 sec ago
- Last stable build (#2), 1 min 5 sec ago
- Last successful build (#2), 1 min 5 sec ago
- Last completed build (#2), 1 min 5 sec ago

Congratulations your program successfully ran in Jenkins from Github repository.

PULL:

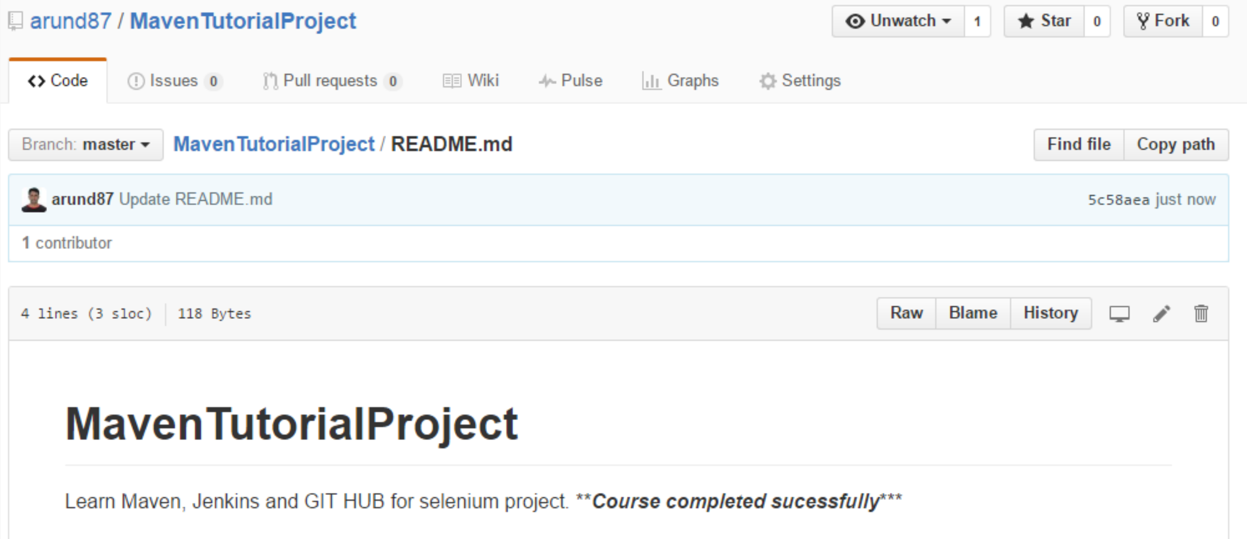
Local repository readme file content.


This PC ▸ Windows (C:) ▸ Users ▸ arunkavi ▸ git ▸ MavenTutorialProject
Name
.git
com.dakinfotech
☑ README.md
SeleniumMavenJ
C:\Users\arunkavi\git\MavenTutorialProject\README.md - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
new 1
README.md

```
# MavenTutorialProject
Learn Maven, Jenkins and GIT HUB for selenium project.
```

length : 78 Ln : 1 Col : 1 Sel : 0 | 0
UNIX
UTF-8
INS

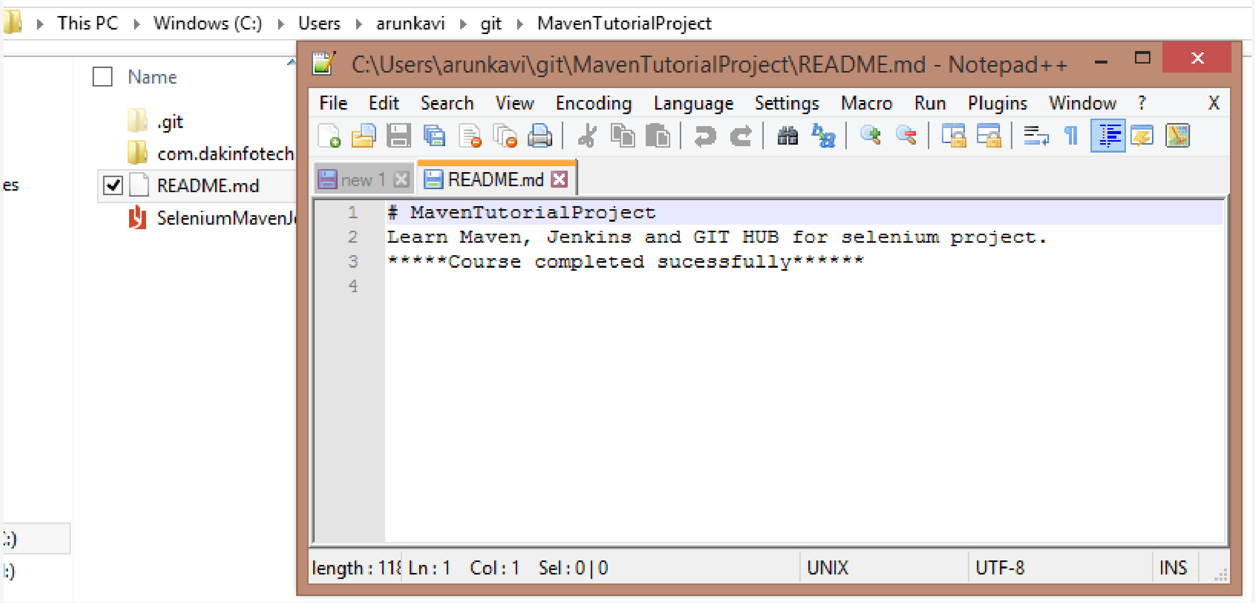
I am going to change the content of readme file in remote repository and do pull to update in local repository.
***Changes done in remote repository.**



MavenTutorialProject

Learn Maven, Jenkins and GIT HUB for selenium project. ***Course completed sucessfully****

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


This PC ▸ Windows (C:) ▸ Users ▸ arunkavi ▸ git ▸ MavenTutorialProject
C:\Users\arunkavi\git\MavenTutorialProject\README.md - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ? X
new 1
README.md
Name
.git
com.dakinfotech
☑ README.md
SeleniumMavenJ
es
:)
:)
length : 118 Ln : 1 Col : 1 Sel : 0 | 0 UNIX UTF-8 INS

```
# MavenTutorialProject
Learn Maven, Jenkins and GIT HUB for selenium project.
*****Course completed sucessfully******

```

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