**Git**

1. Step 0: Install **git** and create a **GitHub** account. ...
2. Step 1: Create a local **git** repository. ...
3. Step 2: Add a new file to the repo. ...
4. Step 3: Add a file to the staging environment. ...
5. Step 4: Create a commit. ...
6. Step 5: Create a new branch. ...
7. Step 6: Create a new repository on **GitHub**. ...
8. Step 7: Push a branch to **GitHub**.

**User name :** PavanTumuku

**Pwd:** pavan304

**Email ID:** pavanbosa304@gmail.com

GitHUB (public access) for 1st time

**Note** Already existed use this url github.com/login

Install github in PC : <https://git-scm.com/download>

Open 🡪 next …🡪 intall 🡪 next

CMD

Type work space path (E:\Selenium\eclipse\selenium\_Workspace\del) 🡪Type git init (it initialize git repository )🡪Type git status (it shows status of src file ) 🡪 Type git add . (it adds all the files to git repository )🡪 type git commit -m "first commit" (for test identification we give any name)

🡪type git config --global user.email "pavanbosa304@gmail.com" (pass user email)

🡪 git config --global user.name " PavanTumuku " (pass user name)

Note: code **push** and code **pull**

**Push code**

🡪Type git remote add origin <https://github.com/PavanTumuku/Mob_App.git> (it adds the code to git remote location)

* Type git push (it push the code to git )

Pull code

**Error**

error: failed to push some refs to 'https://github.com/PavanTumuku/Mob\_App.git'

git push -f origin master (hard push :if you get error use this command )

Note: it remove updated code so don’t use this command for next time

**GitHub every time**

Note: for every project use new repository so that use this command (git init)

**Push the code in existing Project**

CMD

E:\Selenium\eclipse\selenium\_Workspace\appium\_Test> git add src/test/java/Array\_List2.java 🡪 git status(optional)🡪 git commit -m "pushing appium\_Test"🡪git pull origin master

🡪 git push origin master(**master** is a branch name )

E:\Selenium\eclipse\selenium\_Workspace\appium\_Test (project path)

git add src/test/java/Array\_List2.java (it adds particular class/file)

git add . (it adds all class/file)

(**Origin** is Remote)

**Download the code from remote Git Repository**

git clone Repository URL

**ex** : git clone https://github.com/PavanTumuku/kummo.git

**Note :** before pushing the code pull the code (pull : it updates the code )

Note: **commit** : it save the code in local repository

Local and Remote

Local Git : it save the code in local git repository

Remote Git : it save the code in Remote git repository

Important

How to push the code in existing project

How to change the code in existing project

How to add the code in existing project

How to create sub branch

GitHub

Only for the 1st time

C:\Users\PAVAN>E:

E:\>cd Selenium\eclipse\selenium\_Workspace (project or workspace path)

E:\Selenium\eclipse\selenium\_Workspace>cd del

E:\Selenium\eclipse\selenium\_Workspace\del>git init (for git initialization)

Initialized empty Git repository in E:/Selenium/eclipse/selenium\_Workspace/del/.git/

E:\Selenium\eclipse\selenium\_Workspace\del>git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

.classpath

.project

.settings/

pom.xml

src/

target/

nothing added to commit but untracked files present (use "git add" to track)

E:\Selenium\eclipse\selenium\_Workspace\del>git add .

E:\Selenium\eclipse\selenium\_Workspace\del>git status

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: .classpath

new file: .project

new file: .settings/org.eclipse.core.resources.prefs

new file: .settings/org.eclipse.jdt.core.prefs

new file: .settings/org.eclipse.m2e.core.prefs

new file: pom.xml

new file: src/main/java/del/del/App.java

new file: src/test/java/del/del/AppTest.java

new file: target/classes/del/del/App.class

new file: target/test-classes/del/del/AppTest.class

E:\Selenium\eclipse\selenium\_Workspace\del>git commit -m "first commit"

\*\*\* Please tell me who you are.

Run

git config --global user.email "you@example.com"

git config --global user.name "Your Name"

to set your account's default identity.

Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'PAVAN@Tumuku.(none)')

E:\Selenium\eclipse\selenium\_Workspace\del> git config --global user.email "pavanbosa304@gmail.com"

E:\Selenium\eclipse\selenium\_Workspace\del> git config --global user.name "PavanTumuku"

E:\Selenium\eclipse\selenium\_Workspace\del>git commit -m "first commit"

[master (root-commit) 7e04426] first commit

10 files changed, 138 insertions(+)

create mode 100644 .classpath

create mode 100644 .project

create mode 100644 .settings/org.eclipse.core.resources.prefs

create mode 100644 .settings/org.eclipse.jdt.core.prefs

create mode 100644 .settings/org.eclipse.m2e.core.prefs

create mode 100644 pom.xml

create mode 100644 src/main/java/del/del/App.java

create mode 100644 src/test/java/del/del/AppTest.java

create mode 100644 target/classes/del/del/App.class

create mode 100644 target/test-classes/del/del/AppTest.class

E:\Selenium\eclipse\selenium\_Workspace\del>git status

On branch master

nothing to commit, working tree clean

E:\Selenium\eclipse\selenium\_Workspace\del>git remote add origin https://github.com/PavanTumuku/Mob\_App.git

E:\Selenium\eclipse\selenium\_Workspace\del>git push

fatal: The current branch master has no upstream branch.

To push the current branch and set the remote as upstream, use

git push --set-upstream origin master

E:\Selenium\eclipse\selenium\_Workspace\del> git push --set-upstream origin master

To https://github.com/PavanTumuku/Mob\_App.git

! [rejected] master -> master (fetch first)

error: failed to push some refs to 'https://github.com/PavanTumuku/Mob\_App.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

E:\Selenium\eclipse\selenium\_Workspace\del> git push origin master

To https://github.com/PavanTumuku/Mob\_App.git

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E:\Selenium\eclipse\selenium\_Workspace\del> git push -f origin master

Enumerating objects: 29, done.

Counting objects: 100% (29/29), done.

Delta compression using up to 4 threads

Compressing objects: 100% (15/15), done.

Writing objects: 100% (29/29), 3.44 KiB | 440.00 KiB/s, done.

Total 29 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/PavanTumuku/Mob\_App.git

+ a3bd43c...7e04426 master -> master (forced update)

E:\Selenium\eclipse\selenium\_Workspace\del>