**Git Basic Command (To be continued)**

Three statuses of files in Git: Modified, Staged, and Committed

**1. Initialization of git repository**

$git init

**2. Add/Stage new files to the repository**

$git add pom.xml

#It will change the file from modified status to staged status.

$git add .

#Add all files in the directory

**3. Delete/Unstage new files from the repository**

$git reset HEAD pom.xml

#To remove the files from the next commit

**4. Commit files to GitHub repository**

$git add pom.xml

$git remote add origin[remote-name] https://github.com/hanjia/AppleApps.git[remote-URL]

#”origin” is the remote name that referenced to GitHub repository

$git commit –m ‘This is the first commit’

$git push origin master

**5. Commit**

$git commit –a

#To commit all files changed

**6. Track local new files**

$git diff

#To see tracked files that have been modified but not staged

$git status

#To see status of tracked files both not modified and not staged files

**7. Check remotes**

$git remote show

#To list out all remotes

$git remote show origin [remote-name]

#To show the details of a specific remote

$git remote –v

#To show a ist of remotes with URL

$git remote rm [remote-name]

#To delete a remote

**8. Clone a repository**

$git clone https://github.com/username/Spoon-Knife.git

**9. Show diff**

$git show <ref>

#To show diff of a commit

$git show <ref>:<filename>

# To show diff of a commit in a file

**10. Push**

$git push origin <branch>

$git push origin <branch>:refs/heads/<branch>

#Push from a local branch to remote branch

$git push <remote> <branch>

$git push <remote><branch> --force

**11. Fetch**

$git fetch [remote-name]

$git fetch [remote-name] [branch]

**12. Merge**

$git merge <remote>/<branch>

$git merge <branch>

**13. Branch**

$git branch <branch>

$git branch <branch> <start-point>(another branch)

$git checkout <branch>

# To change the working branch

$git branch –d <branch>

# To delete a branch

HEAD: local refs that suggest which branch you are working on

FETCH\_HEAD: head of refs that have been fetched