

GIT & GitHub Notes

1. Git(Local Repositories)

(1)Setup Git

```
$ git config --global user.name 'Jenny Liu' [set user name]
$ git config --global user.email 'ann.qian@hotmail.com' [set user email]
$ git config --list [Confirm your configure]
```

(2)Common Command

- pwd [Print the working directory]
- clear [Clear the screen]
- ls [List all the files & folders in the current directory]
 - \$ls-a [List hidden & unhidden files and folders]
 - \$ls-al [List details for the hidden and unhidden files and folders]
- cd [Change Directory]
 - cd.. [Change directory to one level above your current directory]
- mkdir [make direcotry]
- touch [Create an empty file]
- cp
 - \$cp file directory [copy a file to a specific directory]
 - \$cp -r directory1 directory2 [copy contents of directory1 to directory2]
- rm
 - \$rm file [delete a file]
 - \$rm -r directory [delete a directoor]
- mv
 - \$mv file directory [move a file to a specific directory]
 - \$mv file newname_file [rename file to newname]

- date [Print today's date]
- echo [Print whatever arguments you provide]
- exit [Close]

2. GitHub(Remote Repositories)

(1) Creating a local copy

- Initialize a local Git Repo [\$git init]
- Point a local repo to remote repo [\$git remote add origin (url)]

(2) Make a local copy

- git clone (url)

(3) Check Git Status

- git status

(4) Check Git Log

- git log

3. GitHub Repo

Add

- git add (files)
- git add . [Add untracked files]
- git add -u [Updates tracking for files that changed names or were deleted]
- git add -A [Add Files & TRACK]

Commit

- git commit -m 'message' [updates ur local repo]

Point local to Remote

- git remote add origin master (url)

Push

- `git push`
- `git push -u origin master`

(4) Branch

- `git checkout -b branchname` [Create a branch]
- `git branch` [See what branch you are on type]
- `git checkout master` [switch back to the master branch type]

(5) Pull

- `git pull origin master`