

## Git And Github

- Install git
- Ensure "git version"
- set name 'git config --global user.name "name"'
- set email 'git config --global user.email "email"'

### \* Create a Repository

cmd: git init

- 'git status' to track changes in your repo.
- 'git add "file.ext"' is used to add your file to the staging area before actually committing it to the repo.
- 'git commit -m "1st commit"' is used to commit your file. -m refers to commit message



- 'git log'  
shows logs of previous commits
- 'git checkout hashcode'  
is used to visit a particular commit. Hash code can be obtained from the log cmd.
- 'git checkout master'  
used to enter your master/primary branch.
- 'git branch dev'  
used to create a branch named dev, which works independently of the master branch.
- 'git merge dev'  
used to merge the dev branch with master.
- git ignore  
made with .gitignore ext.  
Any file name mentioned in it will not be tracked by git.
- git clone url  
clones a ~~not~~ repo locally



→ 'git remote add origin "link"' used to link your local repo with github repo. link should be to the github rep.

→ 'git push -u origin master' used to push your repo to github. 'master' will add master branch.

## \* Open Source Contributions

### ◦ Fork

When you fork a repo on github, it creates a copy of it in your page.

### ◦ Pull requests

Sends a merge req to original repo user.