- **git init /newdirectory** : Creates an empty repo in a specified directory/ initializes the directory as a git repo
- **git clone /cloneRepo** : Clones repo at /cloneRepo to your machine via http or ssh
- **git config user.name githubUsername** : Define the authors name to be used for commits
  - **–global** : set config options for current user
- **git config user.email email@used.edu** : Define the authors name to be used for commits
  - **–global** : set config options for current user
- **git status** : check the status of the files in repository
- **git reset /filename** : move file back to unstaged
- **git diff** : see the differences since the last commit
  - **–staged** : see the difference of the staged file
  - **yourCommitID** : shows the difference from a commit ID
- **git rm /filename** : remove a tracked file
- **git add /directory** : stage all changes in dir for the next commit
  - **/filename** : to stage a specific file
- **git commit** : Commits the staged snapshot and launch text editor in terminal
  - **-m "Commit Message"** : to add the commit comment
- **git log** : display the entire commit history
  - **/filename** : display the commit history for a specific file
  - **–graph** : shows the branches
  - **–all** : shows all the history
- **git checkout commitid /filename** : see a single file from a past commit
  - **-- /filename** : revert un-staged changes
  - **master** : get back to most current version
- **git revert commitid** : undo a commit
- **git merge branch** : to merge branches
- **git pull /remote** : pulls a file to git
- **git push** : pushes a file to git