# Git Actions:

1. Git init: initiate empty git repository in /.git
2. Git status: to see what the current state of our project is
3. Git add octocat.txt: When you create a file octocat.txt, it is untracked. To tell git start tracking changes made to octocat.txt. Stage the file.
4. Git add ‘\*.txt’: add many files of the same type
5. Git add –A . : everything in and beneath it is added, dot stands for the current directory, -A ensures even file deletions are included
6. Git commit –m “Add cute octocat story”: The files listed here are in the Staging Area, and they are not in our repository yet. We could add or remove files from the stage before we store them in the repository. To store our staged changes we run the commit command with a message describing what we've changed.
7. Git log: a journal that remembers all the changes we’ve committed so far
8. Git remote add origin <http://github.com/try-git/try_git.git>: To push our local repo to the github server we’ll need to add a remote repository first.
9. Git push –u origin master: push our local changes to our origin repo (on Github). –u tells git to remember the parameters, so that next time we can simply run git push.
10. Git pull origin master: pull down any new changes
11. Git diff HEAD: look at what is different from our last commit. Use HEAD pointer to diff of our most recent commit
    1. Git diff –staged: see the changes you just staged
12. Git reset octofamily/octodog.txt: unstage files

# Git

1. Master repository: place where you upload your committed files
2. Local repository: place on your computer where you save and work on files
3. Commit: store your files to a *state/revision* on your local repository. These commit serve as nodes.
4. Head: most recent node on a branch
5. Merge: Combines 2 branch heads together into 1
6. Push: uploads or sends all of your commits to the Master Repo
7. Fetch: Downloads all of your commits to the Master Repo (Does not merge)
8. Pull: Downloads all of the commits from the Master Repo to your local Repo and merge your most recent commit

# Process

## push:

1. tick staged files
2. commit
3. push->tick master->ok

## pull:

1. pull