git add

```
[sreeneha@srees-MacBook-Air Cognizance % git add 3.py
[sreeneha@srees-MacBook-Air Cognizance % git status
On branch main
Your branch is ahead of 'origin/main' by 2 commits.
  (use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   3.py
```

git checkout

```
sreeneha@srees-MacBook-Air Cognizance % git checkout
A         .DS_Store
A         Cognizance
D         Task-1/file1
Your branch is up to date with 'origin/main'.
sreeneha@srees-MacBook-Air Cognizance %
```

git checkout -b

```
[sreeneha@srees-MacBook-Air Cognizance % git checkout -b "cog"                    ]
 Switched to a new branch 'cog'
 sreeneha@srees-MacBook-Air Cognizance %
```

git clone

```
sreeneha@srees-MacBook-Air Cognizance % git clone https://github.com/neha865/Cognizance.git
Cloning into 'Cognizance'...
remote: Enumerating objects: 8, done.
remote: Counting objects: 100% (8/8), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 8 (delta 1), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (8/8), 5.12 KiB | 5.12 MiB/s, done.
Resolving deltas: 100% (1/1), done.
```

git commit

```
[sreeneha@srees-MacBook-Air Cognizance % git commit -m stage_1
 [cog b8957ed] stage_1
  2 files changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 Task-1/.DS Store
```

git commit -a

```
[sreeneha@srees-MacBook-Air Cognizance % git commit -a -m stage_1
 On branch cog
 nothing to commit, working tree clean
```

git fetch

```
 sreeneha@srees-MacBook-Air Cognizance % git fetch origin main
 From https://github.com/neha865/Cognizance
  * branch            main        -> FETCH_HEAD
 sreeneha@srees-MacBook-Air Cognizance %
```

git merge

```
[sreeneha@srees-MacBook-Air Cognizance % git merge cog
 Already up to date.
```

git pull

```
[sreeneha@srees-MacBook-Air Cognizance % git pull
 Already up to date.
```
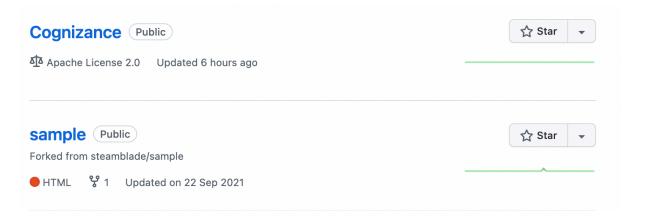
git push

```
sreeneha@srees-MacBook-Air Cognizance % git push
Username for 'https://github.com': neha865
Password for 'https://neha865@github.com':
Enumerating objects: 10, done.
Counting objects: 100% (10/10), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (8/8), 1.39 KiB | 1.39 MiB/s, done.
Total 8 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/neha865/Cognizance.git
   d3df7ee..b8957ed  main -> main
sreeneha@srees-MacBook-Air Cognizance %
```

git reset

```
[sreeneha@srees-MacBook-Air Cognizance % git reset HEAD 3.py                    ]
[sreeneha@srees-MacBook-Air Cognizance % git status                             ]
 On branch main
 Your branch is ahead of 'origin/main' by 2 commits.
   (use "git push" to publish your local commits)

 Changes not staged for commit:
   (use "git add <file>..." to update what will be committed)
   (use "git restore <file>..." to discard changes in working directory)
   (commit or discard the untracked or modified content in submodules)
         modified:   Cognizance (untracked content)

 Untracked files:
   (use "git add <file>..." to include in what will be committed)
         3.py

 no changes added to commit (use "git add" and/or "git commit -a")
```

`git rebase`

```
[sreeneha@srees-MacBook-Air Cognizance % git rebase cog
 Current branch main is up to date.
```

`git fork`

Cognizance (Public)   ☆ Star ▾

⚖ Apache License 2.0   Updated 6 hours ago   ──────────────

sample (Public)   ☆ Star ▾

Forked from steamblade/sample

🔴 HTML   ⑂ 1   Updated on 22 Sep 2021   ──────────────

git config --list --show-origin

```
[sreeneha@srees-MacBook-Air Cognizance % git config --list --show-origin
 file:/opt/homebrew/etc/gitconfig        credential.helper=osxkeychain
 file:/Users/sreeneha/.gitconfig filter.lfs.clean=git-lfs clean -- %f
 file:/Users/sreeneha/.gitconfig filter.lfs.smudge=git-lfs smudge -- %f
 file:/Users/sreeneha/.gitconfig filter.lfs.process=git-lfs filter-process
 file:/Users/sreeneha/.gitconfig filter.lfs.required=true
 file:/Users/sreeneha/.gitconfig user.name=neha865
 file:/Users/sreeneha/.gitconfig user.email=ch.en.u4cse21147@ch.students.amrita.edu
 file:.git/config        core.repositoryformatversion=0
 file:.git/config        core.filemode=true
 file:.git/config        core.bare=false
 file:.git/config        core.logallrefupdates=true
 file:.git/config        core.ignorecase=true
 file:.git/config        core.precomposeunicode=true
 file:.git/config        submodule.active=.
 file:.git/config        remote.origin.url=https://github.com/neha865/Cognizance.git
 file:.git/config        remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
 file:.git/config        branch.main.remote=origin
 file:.git/config        branch.main.merge=refs/heads/main
sreeneha@srees-MacBook-Air Cognizance %
```