

COGNIZANCE.

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1. git add

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git add .
```

1. git checkout

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git checkout  
PS C:\Users\ashut\documents\githubcodes\cognizance> git branch  
main  
* sample1
```

2. git checkout -b

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git checkout -b sample1  
Switched to a new branch 'sample1'  
PS C:\Users\ashut\documents\githubcodes\cognizance> git branch  
main  
* sample1
```

3. git clone

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git clone https://github.com/zsa77/AntSimulator.git  
Cloning into 'AntSimulator'...  
remote: Enumerating objects: 2123, done.  
remote: Counting objects: 100% (2123/2123), done.  
remote: Compressing objects: 100% (674/674), done.  
remote: Total 2123 (delta 1447), reused 2013 (delta 1401), pack-reused 0  
3), 756.00 KiB | 359.00 KiB/s  
Receiving objects: 100% (2123/2123), 810.30 KiB | 360.00 KiB/s, done.  
Resolving deltas: 100% (1447/1447), done.
```

4. git commit

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git commit -m "First Commit"  
On branch main  
Your branch and 'origin/main' have diverged,  
and have 1 and 2 different commits each, respectively.  
  (use "git pull" to merge the remote branch into yours)  
  
nothing to commit, working tree clean  
PS C:\Users\ashut\documents\githubcodes\cognizance> █
```

5. git commit -a

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git commit -a
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 2 different commits each, respectively.
(use "git pull" to merge the remote branch into yours)
```

6. git fetch

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git fetch
PS C:\Users\ashut\documents\githubcodes\cognizance> git fetch --all
Fetching origin
```

7. git merge

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git merge sample1
Already up to date.
```

8. git pull

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git pull AntSimulator
remote: Enumerating objects: 2010, done.
remote: Counting objects: 100% (2010/2010), done.
remote: Compressing objects: 100% (608/608), done.
remote: Total 2010 (delta 1368), reused 2000 (delta 1361), pack-reused 0
Receiving objects: 100% (2010/2010), 797.83 KiB | 31.91 MiB/s, done.
Resolving deltas: 100% (1368/1368), done.
From AntSimulator
* branch          HEAD      -> FETCH_HEAD
```

9. git push

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git push
To https://github.com/zsa77/Cognizance.git
! [rejected]        main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/zsa77/Cognizance.git'
```

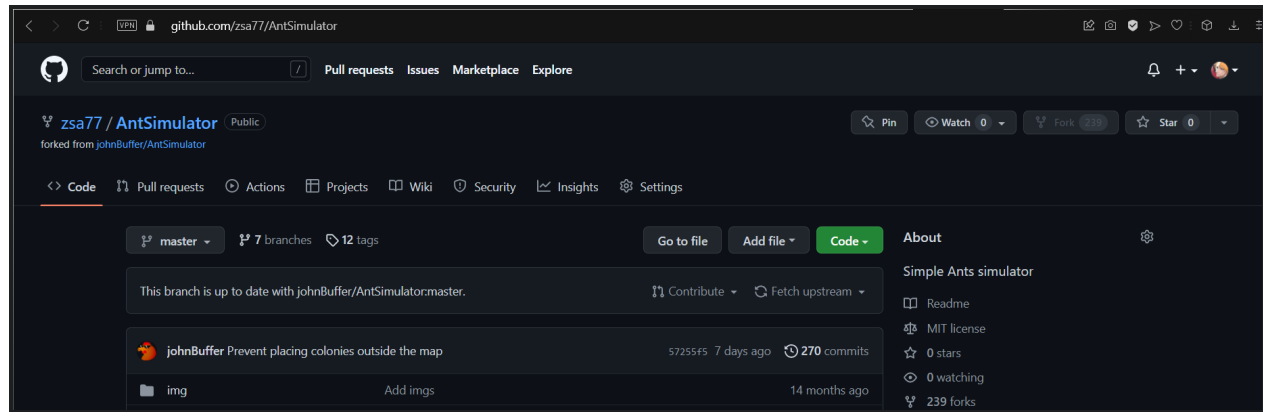
10. git reset

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git reset
```

11. git rebase

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git rebase
warning: unable to rmdir 'Cognizance': Directory not empty
Successfully rebased and updated refs/heads/main.
PS C:\Users\ashut\documents\githubcodes\cognizance>
```

12. git fork



Git Config:

```
PS C:\Users\ashut\documents\githubcodes\cognizance> git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig core.editor="C:\\Program Files\\Microsoft VS Code\\bin\\code" --wait
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/ashut/.gitconfig user.name=Ashutosh Pradeep
file:C:/Users/ashut/.gitconfig user.email=104826305+zsa77@users.noreply.github.com
file:C:/Users/ashut/.gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Users/ashut/.gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Users/ashut/.gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Users/ashut/.gitconfig filter.lfs.required=true
file:.git/config core.repositoryformatversion=0
file:.git/config core.filemode=false
file:.git/config core.bare=false
file:.git/config core.logallrefupdates=true
file:.git/config core.symlinks=false
file:.git/config core.ignorecase=true
file:.git/config remote.origin.url=https://github.com/zsa77/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
PS C:\Users\ashut\documents\githubcodes\cognizance>
```