→ File status lifecycle :-

When you first makes a directory git repository and ~~makes files~~ check status it say there is no file.

now if you make files & folder in that directory and then chek status it show those new files as untracked files as they are not started to tracked by git.

then, if you write command to add them they become unmodified files also stagged files.

Here, git add doing two works.
git add when first time used on untracked files it added

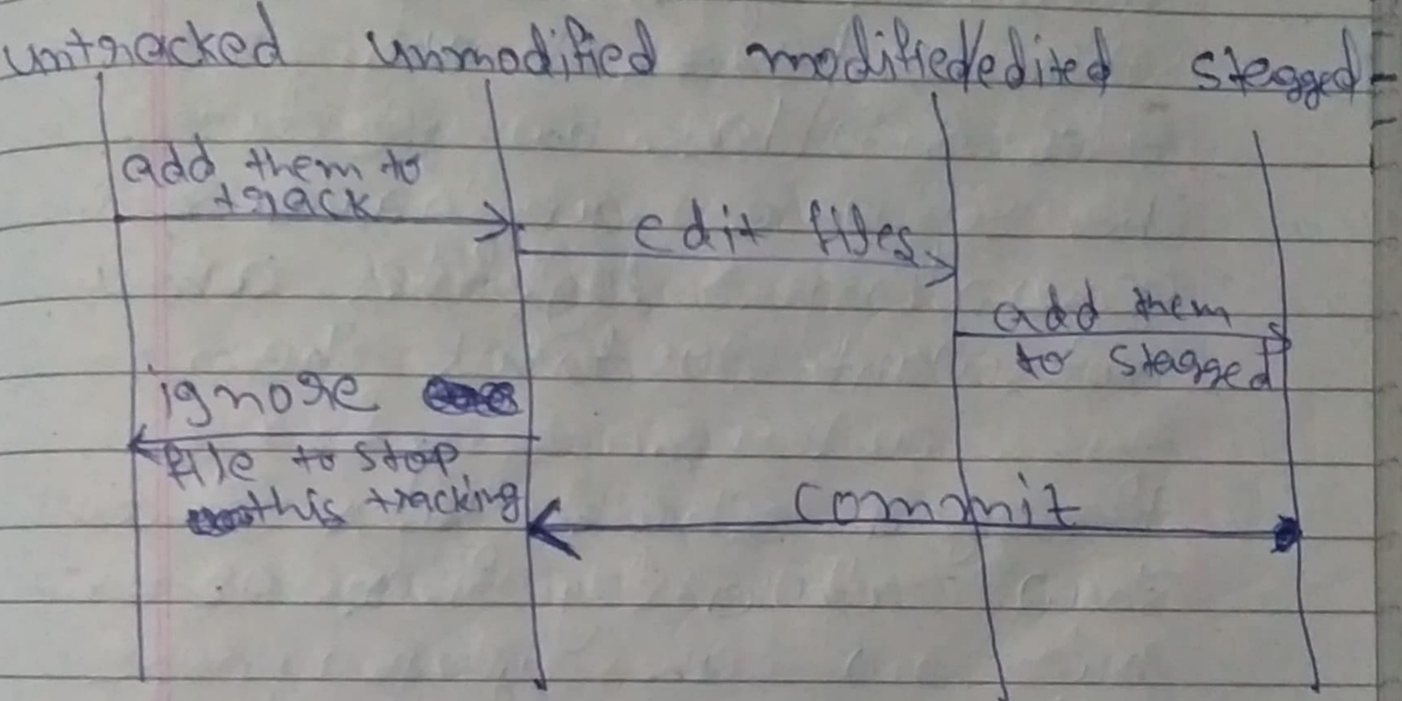
them to Stagged area but also Started to track them.

now, you have Stagged them to commit but you edited one file then chek Status

it show the files you have Stegged is there but also one of those files is edit

how one files at a same time be Stegged also edit, it is because the Stagged files is the ~~file you have already~~ older file where as edited file is new version of that file, if now you add that new edited file to Stagged area and then check Status it shows all files are Stagged and ready to commit.

If you commit those files, you again at the unmodified state.



→ How to ignore/stop to track files & foldar in git repositary

Let assum you are making a softer and you have many files & foldar in git directory. The software you have made generating log files and you not want to track them.

If you check status it will show those log files as untracked but how can you ignore that

for this you have to write coad

```
touch .gitignore
```

this will generate .gitignore file in current working directory.

Here note that touch command used to generate files in pwd.

now, you have a log file let's say error.log and you want to ignore it ~~sho~~ So that git doesn't track it.

For this open .gitignore file and write name of file you want to ignore ~~it will~~ git will ignore that file for you.

now if you check status it will not show error.log as untracked more.

Now, lets say your application is big and generating more than one log file and you have to ignore all of them you can type their name one by one in .gitignore folder or write

* .log

this will ignore all or any type of file with .log as its extension name.

ignoring a file means git will not track that file so that if those file edited or anything happen to them there will be no effect if check status.

lets say have a directory/ folder within git directory and you want to ignore whole foldar. Say it name is 'dir'

to ignore whole folar and contant within it you have to type

name of foldar/

i.e.

dir/

This will ignore all things within it.

Here note that by writting dir/ in .gitinore you have Ignore all foldars with name dir.

Lets you have another foldar static, within it you have foldar dir

now if you check status

it will show only that .gitignore has been changed as you have edited it but nothing about static folar and dir folar within static.

It is because you have already ignored all folar with name dir and beside dir there is no file within static implies it is empty and by default git ignores empty foldar.

now if you have a file in static foldar beside dir foldar and you check status it will show it as untracked due to text file.

now, if you want to only ignore dir folar out static but not dir foldar within static write

/dir/

in ~~git ignore~~ .gitignore

if you want to ignore only dir inside static you ~~wire~~ write

static/dir

in .gitignore

It will only ignore dir within static