

# How Start git project: $\Rightarrow$

①

type: `git init`  $\Rightarrow$  this will place

a "hidden" `.git` ~~file~~ into

your directory.

Note for all files that you do not want to be uploaded to git, create

$\Rightarrow$  touch `.gitignore` (file)

then add the file names to it!

Structure [ 3 Stages  $\Rightarrow$

① Working Area

② Staging Area

③ Committed File (`.git` hidden folder)

Working Area  
(my PC)

Staging Area  
(area what we put in, what we want to commit)

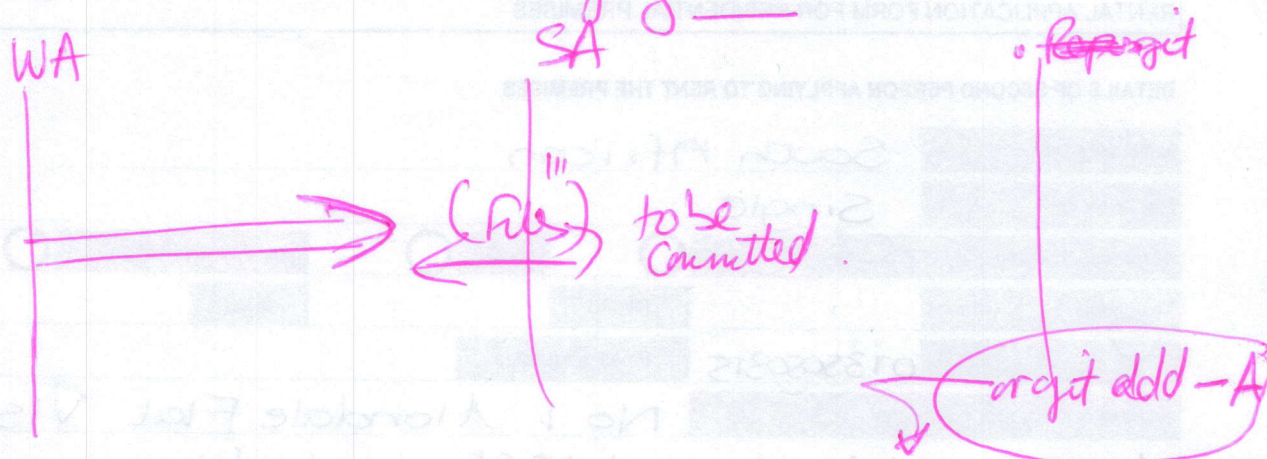
"intermediate"

Before Commit

`.git` directory  
(Repository)



② How to add files to staging area



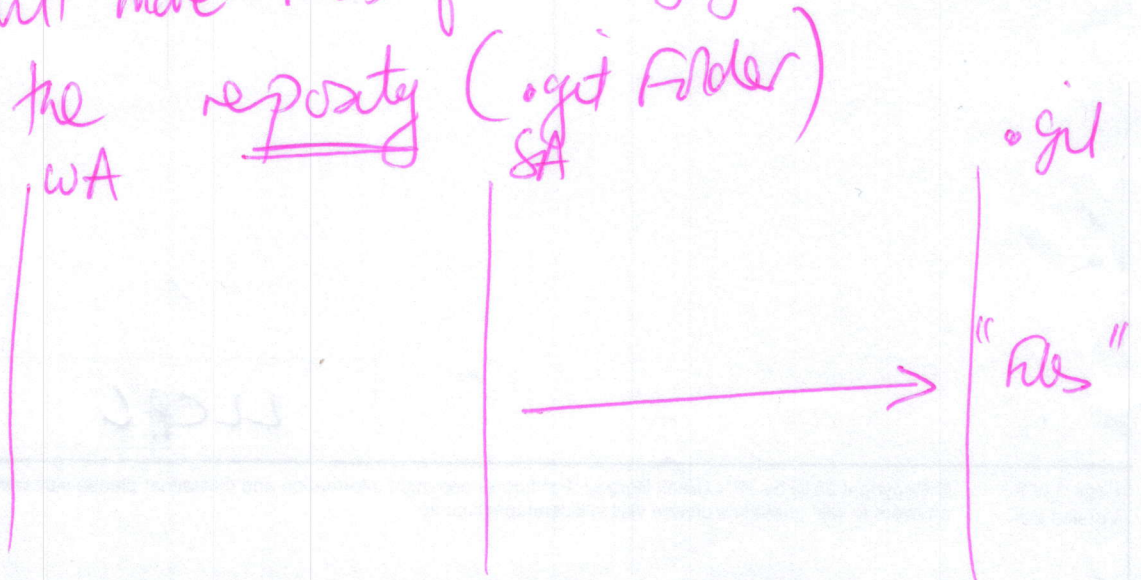
git add <File name> or git add . (all)  
git status ⇒ will show the new files in staging

③ To remove files from staging area:

git reset <filename> or git reset (all files)  
git reset

④ To add the files to git or repository  
git commit -m "First Commit"

this will move files from staging area to





\*to see our commits:

(3)

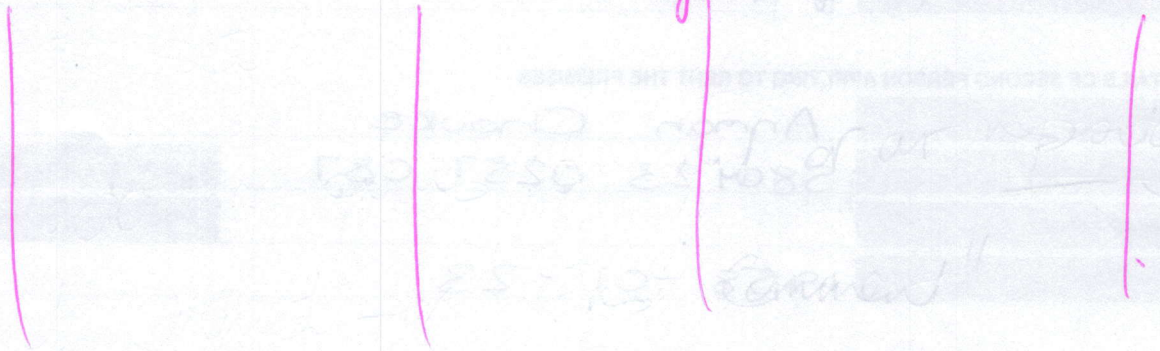
git log  $\Rightarrow$  this will show what ~~we~~ has been committed to .git folder

and hash number of the commit  
(which will be unique)

How to push our changes to  
to "remote repository"

$\Rightarrow$  after it was committed  
to git (local repository)

git  $\longrightarrow$  remote rep



\*But first pull (to get any changes that someone else may have done)

git pull origin master

then, git push origin master



④ But

But we have been working on the master Branch all time,

Common workflow used is Branch.

— we will create Branch for an desired Feature

git branch week1-5 <sup>Branch name</sup>

④ get listing of Branch:

git branch

④ how to work "with" that Branch

git checkout week1-5 <sup>Branch name</sup>

"message: Switched to branch 'week1-5'"

git branch → will show in green"

the active branch I am working in

④ DO 1) git add

2) git commit

④ push Branch to repository

git push -u origin week1-5 <sup>Branch name</sup>



⑤ how to merge branch with master (come back)

⑥ Delete local branch

git  
⇒ first switch to master:  
git checkout master

⇒ delete local branch  
git branch -d week1-5

⇒ delete remote branch  
git push origin --delete week1-5  
then delete branch

Back 1) Create new branch

2) Put file in it

3) merge two branches

⇒ git pull origin master [first get stuff from master]

How merge draft with master

git branch --merged

Switch to master

git checkout master

git branch --merged (false) (green)

git merge draft

git branch --merged (false) (white)

then push master

the name draft