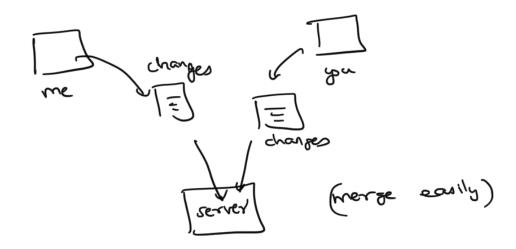
Lecture: Git

Version control (Linus Torralds, 2005 - airrent mantaner is Junio Hamano)

Gib -> keeps brack of changes to code

> keeps collaborators in sync



- Tests new changes to code and then only merge new changes
- -> allows you to go back to older versions of your code
- GilHub -> website that stores Git repositories

1) Create a Git Hub reporting

Go bo GitHab

repo now exists online not yet on your computer

New separiting

@ git clone

git clone < ur1>
remble version downloaded to your computer

3 touch (filename)
creates a file with (filename)

Text eactors: atom, Subline, VS Code

(4) add content to your file < filename)

git add < filename>

tells git that next time I commit, to add this file next time I save the changes to the repository

6 git commit

git commit - m "message"
takes snapshot b repository and saves
the new snapshot

git commit - am "message" [adds commits] git status gets worrent status

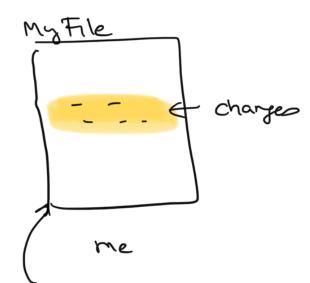
git push

gus commit to Git Hubl remote server

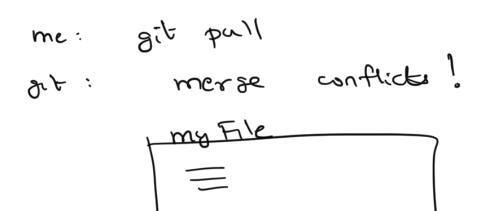
(A) git pull
download latest changes from Sit Hub/

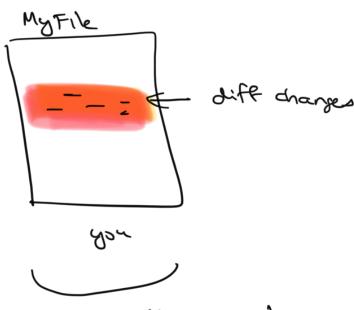
remote server to your computer

(8) Merge conflicts

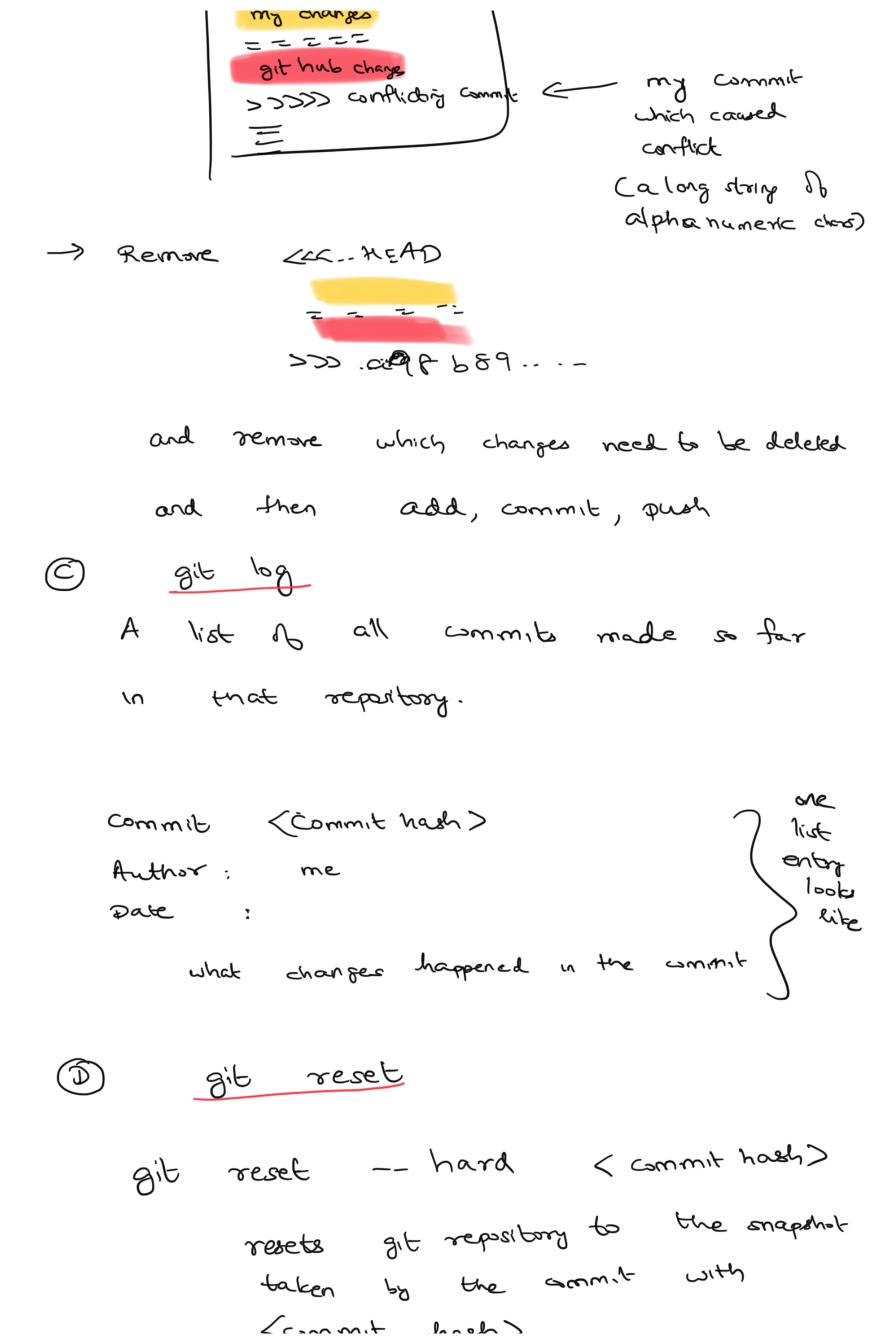


have committed my changes but not yet pushed them





in Git Hub repositors



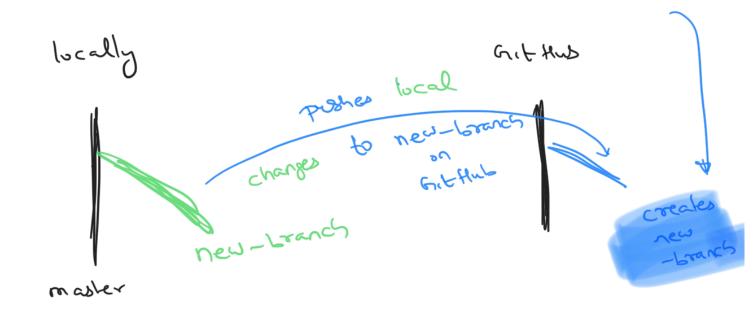
(Guess this is just on local machine) " HEAD is now at < commit her h> " commit message git reset _ - hard origin master resets to version on Git Hub? (is it the current version or the trust version on Gittens from which I closed?) git reflog (list of all references to logs) Branching " Master" (original code main branch always valle) other branches (mark on new features as an aside and later work them unbo (aba langero (where we currently are in repository) & (master > (fix bug were change ahanges commit new features

(feature or can move "HEAD" to boanch) feature branch to check out feature! merge branches at a later point... git branch - listing of all boanches aussently * current branch - lam-on] branch name- 86-branch - creates a new branch called name- of -branch checkout name- 1_branch moves from wort place to name- N-branch to compane these two git checkout -b new-branch - creates a new branch called new-branch and moves there while on master branch,

say you want to merse

feature boanch with master sounch. git merge feature_ branch To push contents of branch to GitHul git checkant -b new-branch say you modify a file git commit - am " the changed on new Lorard" Error! "No up streem branch for oursent branch rew-branch." (e) G(FHMP master new branch no branch in 6. thus for new branch to go to. git push -- set-upstream origin

new-branch



remote

Forks

roni anal.

U

Submit pull request

Took	brand	on sond rep	Lorannes
mader			
pull request ->	" please	commit	new-brand

pull request => "please commit new-branch

changes to original rep"

ask for a review of your

code to rep-owner.

on Githus, in your branch

compare and

pull request .--

Eundear how to pull request your files to a different rep. -- ??]