## Gut and its functions

\* Gilt is a force and open source vesision contorol systems to handle small to very large projects.

## Commands in git

git config -global user email "[email address]"

\* This is used for Configuring its this Command sets the author name and address suspectively to be used with your commits

2) git init git mit [siepasitaly name]

This Init Command is used to start a new stepositely.

3) git clone: git clone [visl]

This Command is used to obtain a siepositary forom an
Existing URL.

\* It first clones into file name in the URL

(4) git add: - git add [file]

This Command adds one at 8 more to the staying aparase.

\* It tells git that you want to include changes to a file in

the next Commit.

git add \*

\*This Command adds one of more to the staying area

git commit of git commit -m [Type in the commit message]" this Command Specolds & snapshots the files permanently in the version history. git Commit -a This Command Commits any files you've added with the git add Command and also Commits any files you've schanged since then Mr greset ) git greset [file] The Command unstages the file, but it prieserives the file Contents 2) git gus sieset (Commit) The Command undoes all the Commits after the specified Commit and preserves the Commit locally. 3) git greset - hand (commit) This Command discords all history and goes back to specified Commit 3) Git status: git status This Command lists all the files that have to be Committed. 8) gitsm This Command deletes the file forom your working git xm [file] dinectory and stages the deletion og: git log -follow [file] the version history
This Command is used to list the version history 9) git log: for the consistent bounch

This Command (seedes a new bounch)

This Command (seedes a new bounch)

## 11) git posh:

O git push [Vooriable name] master

This Commands sends the Committed changes of the master boranch to your siematic engositary.

- @ git puth [variable name] [boranch]
  This Commands sends the boranch Commits to your stemple stepository.
- 3 git push -all [Variable name]
  This Command pushes all the wanches to you?
  The standard pushes all the wanches to you?
- 12) git pull: git pull (Repasitary line)

This Command fetches and meager changes on the snemde seaves to your warking disrectary.

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a) what is git and how to install git, how to generate sish key steps involved in installing git 1) start by updating the peckage index: \$ sudo apt update 2) From the following Command to install Git \$ sudo apt install git 3) Verify the installation by typing the following command which will point the Git version \$ git ~-- Vecusion Configuring git To check whealthes \$ git config --global username "your name" \$ git Config -- global user-email@yourdomain.com To check if the Configurations have been set peroperly & not \$ git config -- list UP = Used name = " uses email= How to initial a disectory Suppose you are waring on a penoient, coneale a folder Called project. hollowood and conside a disnectory \$ mixdo dispectory ramo & cd disectoryname

- Now you can tell git to monitor this depectory using this Command \$git init olp > initiated empty git snepositily in /home/user/pinetry/git generating ssh key generating a key pais in Command terminal \* This Command, substituting in your Github email address \$ 35h-Keygen -t ed25519 - C "your\_email@example.com" OP > Enter a file in which to sove the key; > Enles Passphase (empty for no passphase): The > Enter same Passiphonase again: adding your sist key to the sist-agent 1 start the ssh-agent in the background \$ eval \$ (ssh-agent -s)" > Agent pid 59.566 than to push a file to git siepositely The gilt push command is used to townsten & push the Commit which is made on a local bounds in your computer to a Stemple stepositily like github. The Command used for pushing git push 'nemote\_name' boranch\_name' Command line to push to github i) Coreating a new orepository 9) open your git bally

- (1) Anthalize the git Diepositary using
- g) Add the file to the new local stepositing git add
- git status
- 6) Commit the files staged in your local suppository by wanting a Commit message.

git Commit -m 'your message!

- a) copy your gremate grepositary's URL from gathab
- 8) Add the URL Copied which is your stemde steposition to whome your local content from your suppository is pushed.
- a) Posh the code in your local supposition to Githob
- to) view your files in your grepositely hosted on githob