Git & Crithub

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Crit: version control system is a tooks that helps to

- -> Grit is a version control system
- -> 9t is: -. Popular
 - · free & open source
- · fast d scalable

Grithub: Grithub is a website that allows developers to store and manage their code using Grit.

Crithub Account!

- · Creafe a new repository.
- · Make our first commit.

commit: commit means, changes the code,

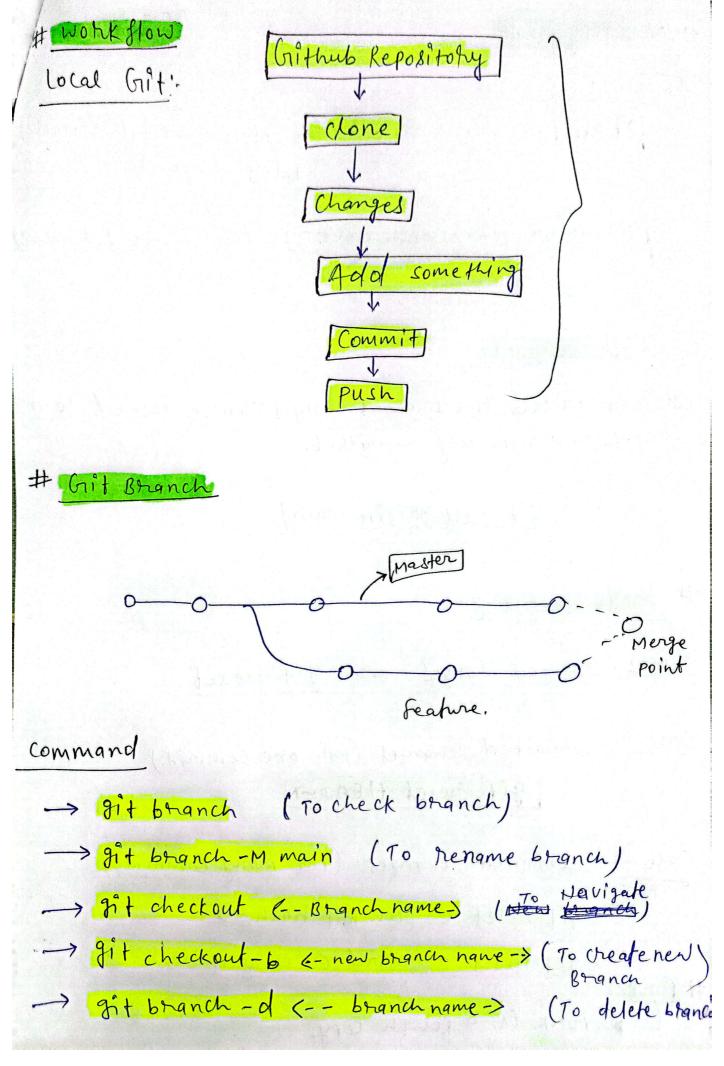
Add something new in our repository.

Add -> commit

setting up Guit · visual studio code. ? check current version of Git · windows (Git BASH) | -> Crit -- Version # Configuring Gif · It Config -- global user name 'My name" " It Config -- global user. email " some one & jmail. Com" · git config -- list ~ - Root directory + folder # some Basics of Grit Commands O Clone & status · clone: - cloning a repository on your local machine. -> clone means suplicate. Lo cal Remote Command! -[lastof, Pc] [Crithub] git clone (link) Repository Copy -> CD> change directory (folder) clear LS > list files of all files in Terminals -> Ls-9 -> list hidden files.

Status: Display the state of the code. Command: git status Add -> commit ⇒ If any changes in local machine before commit there are many error shows in our terminal. Ountracked files: Add new file in our folder 1 modified: changed in any code or text. 1 Staged: Files heady to be Committed. W unmodified: unchanged # Add & Commit add: adds new or changed files in your working directory to the bit staring area. add To (stage) we stomed the Command: - git add < file name> # commit; gt is the record of change, Command: - git commit -m "somemessage"

push Command Push: Upload local reposatory to remote repo > Remot (Crithub) Laptor / Pc command! I git push origin main # when files push to local machine to Crit hub [laptop/Pc] to , Grithub La Repositor Init Command Init: - used to create a new got repository git remote add origin < link > git remote -v (To verify remote) 19it Branch (To check branch) git branch - M 1' something " (To Rename branch) Bit push origin main



Merging Code Way -1 Fit diff (- branch name ->) (To compare commits, branches, files (more) (To merge 2 -- branch name->) (To merge & branches) # Pull Request It lets you tell others about changes you've Pushed to 9 branch in a repository on Crithub. git pull origin main # undo changing

Case-1 Staged changes => git reset

<u>Case-2</u> Committed changes (for one commit) git reset HEAD-1 ASMAND THE <-

Case-3 committed changes (For many commits) git reset <- commit hash--) git reset -- hard (- commit hash--) L. Fork i's 9 Rough copy.

CS CamScanner