(BASICS) 14/07/2 Complete Grit and Githup Tutorial Git - version control system Github- Ohline platform allowing us to host our repositionie git init -> Initialize a git Repository. git status -> Displays the state of the working dre git add + -> Add everything in the project dir (stage) add 2.txt -> Stage x.txt git commit -in " -> Add commit to the staged files git restoro -- staged -> To remove from staged git log -> Displays the commit history of the Repository. git reset < commit-hack> > Returns the Repository to the State of the posticular committe removes all the commits after the particular git stash -> Will save the dir state without commit to be used or retrieved whenever needed. git stash -> bring back the above Saved dir state. clear -> will remove the above saved dir. git remote add oxigin curly -> will connect the github repository with ewelr with remote git. git remote -v -> will show all the custo's connected. push origin <branch-name> -> will push the code to the pasticular branch.

git checkout chranch-name > -> charges the initial broach to the new branch. [HEAD days = branch-names -> creates a PR to merge git merge two branches: one with the above name another the branch we were working on git branch = branch-names -> will excelle a new brach. git push origin abranch-hame> -f > force push-used when the commit is stocked etc. git fetch-all -- prime -> fetches all the change from the origin to remote prune makes sure even the deletions are fetched. git reset -- hard upstream -> will reset the origin with the state of upstream. hard deletes the extra commits made from origin. git pull < branch 1 > < branch 2 > Pull & the charge from branch 1 to brancha. git rebase < commit-hash > -> will worstage all the others commits and send the HEAD back to the pastiallax commit - hash state.

git commit -in " -- append - will change commit mossage of the recent commit. git rebase - P < commit-hash > > open an interactive environment where we can elther pick or squash the commit. That is done by changing the pick with the 3 to represent squash & combine. git pull -> pulls the oxigin to remote. so the concepts covered here are, creating a repository. How to connect with remote How to cornerait How to push How to pull How to a reate a branch How to merge two branches How to fetch How to reget the state of the dir to any state needed with the help of rebase

How to combine multiple commits into Single commit

How to charmer commit message of the

## Things that may be useful.

Marge conflicts -> Arrison one more than one modifications occur in the same branch.

usually in the same file.

Squash commit > This meany that we combine all the commits into one single ammit.

PR -> Pull request

One branch can have only one active prot atime fork -> copying the repository to be your own.

HEAD -> Pointex pointing the brough