(Git) IV

DAYONE (Babic Git Workflow):

that is a software that allows you to keep track of changes made to a project over time. It works by recording the changes.

- 1) when we do "git init", we're starting tracking it. the word init means initialize.
- ② A trit project can be thought of as having three parts:

 1. A working Directory; 2. A staging; 3. A Repository.

 Git workflow: editing files in 1, adding files to 2, saving to 3.
- 3) You can check the status of those changes with "git status
- ⊕ We can add file to the stoging area with "git odd+ "
 where name" represents the filename.
- (3) We can check the differentes between the working directory and the staging area with git diff + name",

NOTICE!: Press 9 on the keyboard to exit diff mode.

- (b) "git commit' is a command we'll do next. marks option"-m" is used followed by a message in quotation.
- O commits are sorted chronologically in the repository and can be vein viewed with "git log"

PATTWO(How to Backtrack)

- 1) the commit you're currently on is known as HEAD commit.

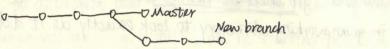
 To see it, enter 'git show HEAD'
- The command "git checkout HEAD+ name will restore the file in your working directory to look exactly as it did when you lost made a commit. F
- 3 command "git add" can be used to add to file at one time.
- @ Command "git reset HEAD + name" resets the file in the staging area to be the same as the HEAD commit.
 - I The file you have removed from staging area will be ignored if you make a commit this time.) before
- (3) Git enables you to retreat to anywhere you have been to by using Command 'git reset SHA' (where SHA represents the first 7 characters of a previous Commit)

There is a diagram to understand this command

& Each circle respresents a commit. Shadow one is no longer part of your project: white white one is.

DAYTHREE (brit Branching)

There is a diagram illustrating branches:



- ② To create a new brounch, you can use git branch + name will be the branch name and can't contain space
- 3) You can switch the new branch with "git checkout + name"
- ◆ Command "git merge + noune" can merge the branch into master.

 Merge Conflict happen if you change the master and new branch together and you want to merge them.
- (5) Command "git branch d+name" will delete the branch from you git project.

DAYFOUR (Git Teamwork)

① Command "git clone remote_location clone_name" is used to clone file from remote_location.

remote-location can be a web ordalness or a filepath.

chone-name is the name you give to the directory in which

Git will clone the respository.

- 2) Origin: the remote address which you cloned from.

 You can list the Git's project's remotes with the command:

 git remote v.
- 3) To keep up with the origin file, you can use command: branch

 git fetch. It brings changes onto what's called a remoter.

 origin/master branch.

 origin/your_branch
- (4) When you have done your work, Command "git push" is used to share your work with the remote.