Terminal command:

Pwd (print working directory)

Cd

Ls

Nano + (file name) ctrl + O to save / ctrl + X to exit

Echo “review for duplicate records” > todo.txt [create a new file todo.txt]

Echo “review for duplicate records” >> todo.txt [add contents to existing file todo.txt]

Git --version

A repository is consisted of files, directory, and Git storage

.git is a hidden directory (won’t displayed when using ls command)

Ls -a (show hidden directories)

Add change and commit change (only committed changes are recorded in the .git repo)

Git workflow: modify a file - save draft to stage - commit changes

>nano report.md

>git add report.md (git add .)

>git commit -m”updating TODO list in report.md”

Git status

Git diff report.md (file hasn’t been added to the staging area)

Git add report.md

Git diff -r HEAD report.md

(File that has been added to the staging area, compared with the last committed version)

Git diff -r HEAD (compare all files in the staging area with the last committed version)

Git log (display all commits made to the repo, starting with the oldest) (press space bar to move through) (q to exit)

**Git show** hash number [showing difference between the file after and before that commit]

Git show HEAD~1 how current versions of files compare to the second most recent commit.

**Git diff** ~r HEAD last commit

Git diff ~r HEAD~1 second last commit

Git diff ~r HEAD~2 the commit before that

git diff HEAD~3 HEAD~1 difference between the fourth most recent and second most recent commits (after these two specified commits?)

Git annotate

Git reset HEAD filename

Then nano, and git add (re-add to the stage)

Git reset HEAD (to unstage all files)

Undo changes for an unstaged file: git checkout -- filename

Undo changes to all unstaged file in the current directory and sub-directory: git checkout .

Git log -3 look at 3 most recent commits

Git log -3 report.md

Git log --since= “Month Day Year” --until

Git checkout hash filename

Git checkout hash

Git clean -n

Git clean -f

Git pull upstream main

Git push

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