Help File

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# Git Help

## How to Initialize a Repository

1. Go to desired location of repository
2. Use git init to initialize it
3. Use git clone “Copy link from github here” - to copy the github repository to the desired location

## How to Move Around Git Bash

* Use cd .. to move back a file
* Use cd “name of file” to enter a file
* Use ls to see all files inside follow ls with –l to see more file info

## How to commit changes to a directory

1. Git status – used to show changes that haven’t been saved
2. Git add .
3. Git commit –m “Write a note about the changes made”
4. Git push origin “Name of branch”

## Creating, Switching, and Merging Between Branches

1. Commit all changes in current branch and use git status to ensure everything is gone
2. Use git checkout “Branch name” to go to desired branch
3. Use git pull origin master to get the newest updated info on that branch
4. Once on desired branch use git branch “branch name” to create a copy of the branch you are in
5. Use git checkout “branch name” to go to the new branch
6. To merge switch to desired branch to merge with, usually master
7. Use git merge “Name of updated branch”

## Merge Issues

1. Use git status to see which files are causing issues
2. If the issue is coming from a file that needs to be fully overwritten, then use git checkout --theirs filename, to keep the new one, or git checkout --ours filename to keep this branch’s version, if the issue is on a file where you want to see or keep both parts then open the file and delete/keep which parts you want, and make sure to remove the <<<<<<, ======, >>>> lines than save and close the file
3. After fixing all issues due a git add ., then a git commit –m “Message” and it should be fixed