**Important Commands:**

* ***ls***
  + Lists directory (folder) contents
  + Used for navigating through the folders on your computer to find where you cloned the repository to
* ***cd***
  + Changes the directory (folder) you are currently looking into
  + After cd, you pass it the folder you want to navigate to
  + Allows you to use *relative paths*
  + ***Ex:*** cd slides
* ***git***
  + When used alone, works similar to a “help” command
  + Used to print out the available commands to interact with git
  + Any time you interact with Git or GitHub through GitBash, your command must start with ***git*** or else it will be treated as a terminal command
* ***git clone***
  + Used to “clone” a repository from GitHub
  + Cloning a repo is when you download the contents of a GitHub Repository to your computer so you can work on it
  + This will be the first step of all of your assignments
  + ***git clone*** is always followed by the link to the repo that you copied off of GitHub
  + ***Ex:***  git clone https://github.com/YWCANWIL-TechLab/Introduction-to-GitHub.git
* ***git add***
  + Used to add your file to the staging area
  + Creates a snapshot of your files in their current state
  + ***git add*** is always followed by the file or files you want to add
  + This is the first of three commands used to ***submit your work*** to GitHub
  + You can use this command multiple times to keep adding files, or you can add them all at once with a space in between each file name
  + ***Ex:*** git add file1.html
  + ***Ex:*** git add file1.html file2.css file3.js
* ***git commit***
  + Used to track your files in the version history
  + This command is **only used after you have used git add**
  + Every time you use this command, you will want to pass it a message saying what you did
  + The message is added to the commit using ***-m “Any message”***, but you type your message instead of any message
  + This is the second of three commands used to ***submit your work*** to GitHub
  + ***Ex:*** git commit -m “Added a new list”
  + ***Ex:*** git commit -m “Linked a new CSS file”
* ***git push***
  + Uploads the changes you have made to the files you worked on to GitHub
  + This is the third of three commands used to ***submit your work*** to GitHub
  + This command is **only used after you have used both *git add* and *git commit***
  + Be sure to submit your work every time you finish working on it for the day, even if you aren’t done with the assignment
* ***git pull***
  + Updates your *local repository* (the files you copied from GitHub and work with on your computer) with any changes that have been made
  + It’s a good idea to use this command every time you start working
    - This will make sure you are working on the most recent version of the code (in case other people are working on the same files)
* ***git branch***
  + Creates a new “branch” for you to work in
  + A branch is a copy of your code
  + All repositories have at least one branch, usually called main
  + Many repositories have a main branch and *at least* *one* experimental branch
    - Main – Where working code is kept
    - Experimental – Where code that is still be developed/tested is kept
  + Many developers code their work in the experimental branch and then, once they know it works as intended, merge it into the main branch
* ***switch***
  + Changes the branch you are currently using