.git (By git init) -> local repository

After changing any file, first run git add . or git add filename then run git commit -m “initial commit”

Command:-

**Cat > <file name>** : to create & edit file  
touch <file name>: to create file

**git add .** or **git add <file name>:** Move files to the staging area

**git log**: To get all commit information

**git diff:** To see the content that has changed. It will work before adding it to staging area

**git fetch & git pull**

**git fetch**: It tells your local git to retrieve the latest meta-data info from the original (yet doesn’t do any file transferring. It’s more like just checking to see if there are any changes available).  
Central Repo 🡪 git fetch 🡪 get merge 🡪 working directory

**git pull:** it will get latest changes from central repository to local repository (file transferring will happen here).  
If we did any changed to the file directly from the github, but that changed file wouldn’t available to our local repo. Hence we need to pull that changed file to our local repo using ‘git pull’ command.  
Ex: git pull origin master  
Central Repo 🡪 git pull🡪 working directory

**git merge**: to merge files of one branch to another branch  
Ex: Let say we’re under feature master branch  
So, we have to merge feature branch in order to take the files of feature branch into master branch.  
git merge feature.

**To exit from git merge Terminal:- (***git pull <remote> branchName***)**

This is not an issue, all you need to do is

Press Insert Key and then Enter Key. This will allow you to type a message

Once you have done that Press Esace (Esc) then ***:wq*** to exit then, Hit Enter

**Note:**

* git pull == git fetch + git merge
* We can only switch branch to another branch after committing the current repository. Then we’ve to add that repo to move it to the staging area.
* **vi <file name>**: to edit the file

**TAGGING**

git tag -a v1.0 -m "My First Version"

**git tag**: To check all available version of the project

To get Long Path in Git Bash:-  
*git config --system core.longpaths true*

To “*warning: LF will be replaced by CRLF”* in Git Bash:-  
*git config --global core.autocrlf false*

Link: https://stackoverflow.com/questions/37813568/git-remote-repository-not-found

Credential Manager:- (In case of Password Authentication issue)

Control Panel\User Accounts\Credential Manager