**Git and GitHub**

This is the code and explanation based on my current understanding. If you find any mistakes, feel free to correct them and submit a pull request — I’ll be happy to review and merge it.

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| **command** | **description** |
| Mkdir | create a directory |
| Ls | list all the document and files in the directory |
| Ls -a | show the hidden folder in the directory |
| touch | Create a file into the directory |
| Rm -rf (file name) | Used to remove the file from the directory |
| Vi (file name) | Use to edit the files and make changes in existing files |
| Cat | Helps to display the things available in the file |
| Git init | Initialize the and control the process |
| Git status | Helps to detect the changes in the project or a directory |
| Git add (file names or .) | Use to put in staging area so that the file can be committed (use to add the files) |
| Git commit -m “give the message here” | Used to save the changes of the files to track its record |
| Git restore —staged (file name) | Use to remove the file from the staging area(for example: the process is already been done once but do not want to do next) |
| Git log | Used to see the history of the commit that have been into the directory |
| Git reset log id | Used to remove the commit or remove changes that have been committed into the directory |
| Git stash | Used to backstage the files and updates |
| Git stash pop | Used to get the backstage files into the stage area |
| Git stash clear | Used to delete all the backstage files from the stash |
| Git remote add origin + url | Used to add the remote repository to your local git repo |
| Git push origin master | Used to add the local repository to remote repository |
| Git branch (branch name) | Used to create a branch in your repo |
| Git checkout (branch name) | Used to code under the branch that will get merged if the code is error free |
| Git clone | Used to clone the copy of repo from the GitHub to the local device |
| Git remote add upstream (url) | Use to locate where the file actually been copied to your origin(repo) |
| Git push origin (branch name) | Used to create a pull request in GitHub for the feature you have made |
| Git push origin (branch name) -f | Used to force push the commit or changes |
| Git fetch —all —prune | Used to fetch the branch and changes |
| Git reset hard upstream/main | forcefully makes your branch exactly like the remote branch, deleting all your local changes. |
| Git fetch upstream | Used to fetch the changes from the original git repo rather than fork of your own |
| Git merge upstream/master | Means merging to your local repo what are the changes that have been made in original repo |