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| **COMMANDS** | **PROCESS** |
| **git init** | Initialise git repository in specified directory |
| **ls -lart** | Give detailed list of files in pwd |
| **git status** | Gives the status of files which are staged unstaged or untracked |
| **git config --global user.name sumit**  **git config --global user.email sumit@gmailcom** | Define Author username for all commits by current user  Define author email for all commits by current user |
| **Touch file.txt** | Create a new file |
| **Git add file.txt** | Stage the changes or add updated file.txt in directory for next commit |
| **git commit -m “msg”** | Commit the staged things with message msg |
| **git add -A** | Stage all the changes in directory for next commit |
| **git log -2** | Display last commit history upto number what you have suggested |
| **git diff** | Show changes between working directory to staged directory |
| **clear** | Clear the window |
| **git branch User2** | Create new branch user 2 |
| **git checkout user2** | Switch the branch to specified branch |
| **git merge user2** | Merge user2 into current branch |
| **git log --grep=”h”** | Search commits with msg specified |
| **git remote add <name> <url>** | Create connection with remote directory |
| **git push <remote> <branch>** | Push the branch to remote repository |
| **git push <remote> --all** | Push all branch to remote repository |
| **git clone <repo-url>** | Clone the repo to local machine |
| **touch .gitignore**  **cat > .gitignore**  **filename** | Create a git ignore directory  Ignore files in gitignore |
| **git pull** | Update local directory with all commits |
| **Git commit -a -m “msg”** | Direct commit without staging |
| **Git rm –cashed filename** | Untrack or remove file |
| **git clone <repo-url>** | Clone the repo to local machine |
| **touch .gitignore**  **cat > .gitignore**  **filename** | Create a git ignore directory  Ignore files in gitignore |