**GITHUB COMMANDS**

Working Directory -> Local -> Remote

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| --- | --- |
| pwd | Prints Working Directory |
| mkdir | Make Working Directory |
| cd | Change Directory |
| git init (only one time) | Initialize Git in the working directory |
| ls -a | list all the files (-a -> for all the hidden files) |
| git config --global user.name | Setup your name |
| git config --global user.email | Setup your email |
| touch *file\_name.txt* -> Windows  gedit *file\_name.txt* -> Linux | create a file using terminal |
| git add file\_name -> for single file  git add . -> for multiple files | move file from working directory to staging area |
| git commit –m “message” | staging area to local repository |
| git remote add origin <*URL>* (only one time) | connect local repository to GITHUB |
| git push origin master (first time)  git push (after first time) | push local repo to remote repo |

Remote -> Local/Working Directory (Clone any Repository to you local)

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| git clone *<URL>* | copying an existing GIT repository |

Git Pull

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| git pull origin *branch\_name* | used to fetch and download content from a remote repository and immediately update the local repository to match that content |

Creating a new branch -> Remote Directory

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| git branch | shows all the branch |
| git branch *new\_branch* | create a *new\_branch* |
| git checkout *new\_branch*  (create a new file -> add -> commit) | switch to *new\_branch* |
| git push -u origin *new\_branch*  (better to use “-u flag”) | push local repo to remote repo |

Merge new branch to master branch

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| git checkout master | switch to master |
| git merge *new\_branch* | merge *new\_branch* to master in local repo |
| git push –u origin master | push local repo to remote repo |

Delete a branch

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| git branch -d *new\_branch* | delete from local repo |
| git branch origin --delete *new\_branch* | delete from remote repo |

Remove Commands

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| git rm --cached *file\_name* | remove a file from local repo |
| rm *file\_name* | remove a file from the system |
| rm –rf .git | remove .git folder from local repo |

.gitignore -> Ignoring files

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| Files -> hello.txt , hii.txt , bye.txt  Directory -> arin  -> touch .gitignore  Write these things in .gitignore file.  hello.txt -> to ignore a single file  \*.txt -> to ignore all files (txt)  dir/ -> to ignore the directory | gitignore file tells the GIT which files to ignore when commiting your project to GitHuh repo |

Sync local/fork repo to original repo

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| git remote -v | shows all the remotes |
| git remote add parent <URL> (of parent repo)  (here parent is the name of remote) | add parent's remote to your local |
| git pull parent master | pull all the new changes from parent to your local |
| git push parent master | push all the new changes from local to your fork repo |

Some other imp commands

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| git status | compare working directory and staging area |
| git diff | compare last commit with current staging area |