

WHAT IS GIT? → Git and Github ←

Git is a version control tool that will allow you to perform all kinds of operations to fetch data from the central server or push data into it.

In our case, we use github as a server for git.

WHAT IS GITHUB?

It is a core hosting platform for version control tool that will help in collaboration. It is a company that allows to host a central repository in remote server.

INSTALLATION & ACCOUNT:

- * Install git scm in local pc.
- * Go to github.com and create a github account.
- * Both git and github is freeware and doesn't require any payment processing.

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⇒ In command line : ⇒ git bash / git bash here

* Open GIT BASH from windows search

* Type :

⇒ git → to check the usage.

⇒ git --version → to check the version

⇒ git help → all help

⇒ git help <command> → specific command help

⇒ git config --list → to check configuration

To configure user name and email ← {

⇒ git config --global user.name <"name">

⇒ git config --global user.email <"mailid">

⇒ git config --list → to check again (changes)

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starting git project :

* create a folder in your pc.

* open the folder, right click → git bash here.

* type :

⇒ git init → to initialize .git folder.

⇒ git status → to check git status of folder.

⇒ touch <file_name.extension> → creating file

⇒ ls → to see all files in folder

⇒ git add <file_name.extension> → [moved to staging area]

⇒ git commit -m <'message'> → [documenting with descriptive message]

⇒ git log → history of commits

To remove a file:

* Type:

⇒ git rm <filename> → remove files in current location

⇒ git rm -r <directory / sub-directory>

↓
flag

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remove file by navigating inside the folder, use forward slash

* do git commit -m <message> after removing.

Moving files from local to github:

* open github.com and login to your account

* click on 'create new repository' New

* Give repository name and make it as public

* click on 'create repository'

* copy the https link from next page.

* open the folder in local pc, right click and git bash here.

* type:

⇒ git remote add origin <paste https link>

⇒ git branch -M master.

⇒ git push -u origin master.

After moving to github:

⇒ To push changes done in local to github each and everytime follow these:

* Type:

⇒ git status → to check untracked files.

⇒ git add <file-name.extension> → to add 1 file

⇒ git add . → to add all files at once

⇒ git commit -m <'message'>

⇒ git push → to move changes to github.

⇒ To pull all changes in github done by the collaboration.

* Type:

⇒ git pull

note: Always make a pull before push

To import some github repository to local pc:

* open github.com and go to particular repository.

→ * click on code drop down and https link copy

* Go to the location in local pc where you have to import the repository.

* Right click → git bash here and type:

→ git clone <paste https link>