

INTRO GIT & GITHUB.

Github:

Github is a provider of internet hosting for software development & version control using Git.

Git:

Git is a free and open source distributed version control system designed to handle everything from small to very high level of large projects with speed and efficiency.

(Source: Google)

Insight:

A virtual version controller

Two types:

- 1) Main → Where the original data exist.
- 2) Remote → Where we save the copy of our original data for backup.

Git → Github

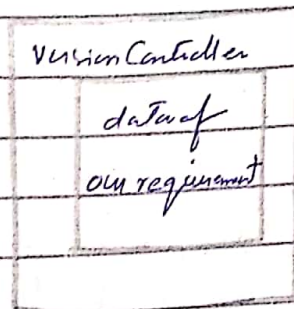
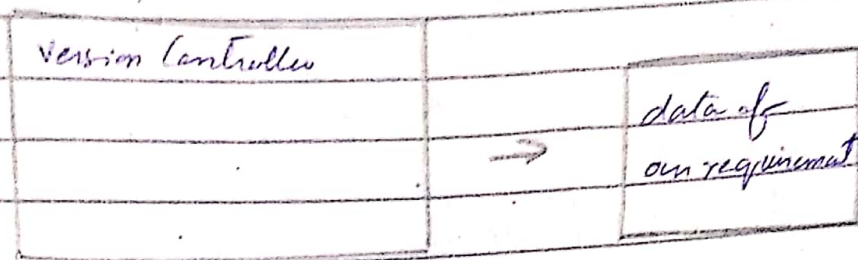
Saves data for you & saves you from data loss.

CC Github → Facebook for programmers'

Now, let's get started:

Git Staging process:

Git helps us to stage all our content together with the help of 'git init' command.



How to initialize / stage data:

```
$ git init
```

How to see your current directory:

```
dir
```

To check your current status in the directory.

```
$ git status
```

How to add file in Git

```
$ git add 'filename'.extension
```

(adds one file at a time)

How to add a folder in Git:

```
$ git add 'foldername'
```

How to add multiple files in one time:

```
$ git add -A
```

$\therefore -A = \text{All files}$

∴ [This will show you a warning
'LF will be replaced with CRLF'
Ignore for now.]

How to add a message for folder in git:

```
$ git commit -m "Your Message".
```

To check who add the file in your Git hub.

```
$ git log
```

How to add your name as master in git:

```
$ git config --global user.name "Your desired name".
```

How to add your email as master mail in git:

```
$ git config --global user.email "yourdesiredemail@gmail.com"
```


Note: 'While dealing w: the "add command". It didn't add all files but those files which you opt to select.

To confirm either your file is uploaded or not.

If Green in color:

`print("Your file is tracked & now in git")`

else Red in color:

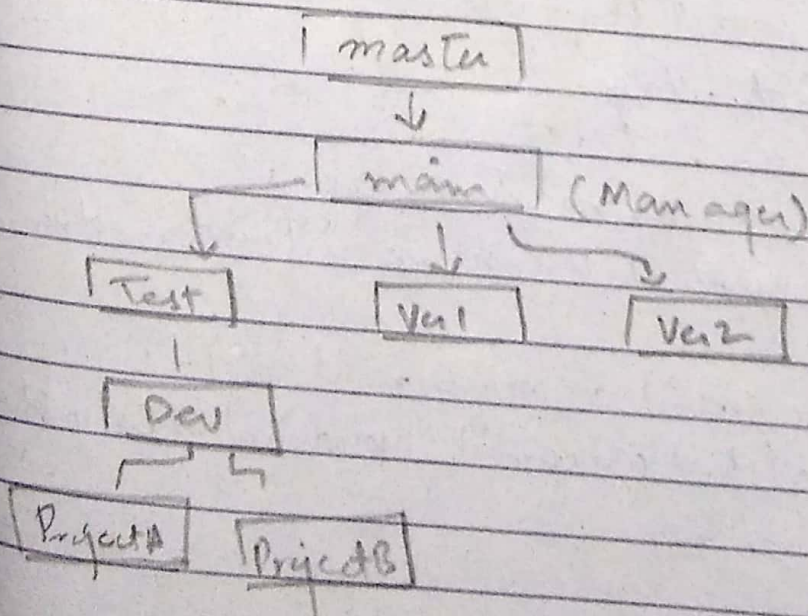
`print("Your file is untracked & not added in git")`

How to check credential:

☐ → Q → Control Panel → All Control panel items → Credentials.

What is branch? What does it do? How to check branch of your git?

Branch works in an hierarchical method.



Helps your data becoming a mess & saves your data privacy.

\$ git branch

To check your position in the git.

\$ git log

How to push your file in git.

\$ git remote add origin "githubs folder path".

How to push your file in githubs:

\$ git push -u origin 'your position'

How to ignore a file adding into your git.

\$ git gitignore "filename".exe

Pull Request:

When something with the different credential wants to add his work into your git account.

GitHub → Pull Request → Test
if "success": okay
else: reject

Combining code all together:

① & ②

```
$ git init
```

```
$ git status
```

```
$ git add 'filename'/'foldername'
```

```
$ git status
```

```
$ git commit -m "Your message"
```

①

```
$ git config --global user.name "Your name".
```

②

```
$ git config --global user.email "Your email"
```

```
$ git remote add origin "Github folder link"
```

```
$ git push -u origin master.
```

To delete your unrequired repository from Github:

(Select that repository → setting →
Scroll down to the lowest point → "delete
repository" → Add 'your repository name'
& click on "Delete button")

To change your current directory to your
desired directory:

```
$ cd 'directory name'.
```

Shortcut to upload:

\$ git init

\$ git add 'filename'

\$ git commit -m "message"

\$ git remote add origin "github folder link"

\$ git push -u origin master.