Unit-4

-Git and -Gittlob:

HTMI- Markup lang - develop design a website css - styling language - look & feel

Ts - scripting 11 - Interactiveness of dynamic iquery - is Library - " " - less no of Loc.

- If we want to do a project (HTML, CSS, JS & JQUEY)

et can be done: 1) single:

2) > 1 Person:

If we written a source code - Eg: 4f we logt the file Deleted the file progress

of, dry apr (like whatsarr) glor working, Its version might be changed

from Android-version-12 to 11. Ag it is a big company, they will maintain

the code. But If we want to get back to our logt delete files, it

the code. But If we want to get back to our logt delete files, it

if difficult to find the code (in read fine)

There are multiple people doing a project in Common, and generate in places - for project, all of them needs to collaborate and share source collaborate ushich is original in developing large projects

The solution for all these problems is "Git and Githob."

-Git: Vergion control system which is used to show the source Cod.

(Local nepository (storage location)) — Linux

(Some Person can work.—single. (Desktor version)

Gittlub: Version Control system - share somme code (Remote Repository)-Microsoft-tohich is available at some

murtiple people can collabot

-> Deploter Version & web version.

Install:

- D-Google Download fit for windows Dononload fit.

 Latest Version (2.37.1)
- -) Lithob security Purposes NASA projects (uses -fithob)

 (multiple fit).
 - -) so walk with 4thob we need to have an account.
 - -> coreate Repositage.
 - -> Repository name: rdd-project.

 Desc: rolor project description technologies used one HTML-Gr

 If you want to create another ho to tilt
- -) for every project you can create one schante repository

 the option Public view download (it), but they can't add or edit

 the date until they eve allaborator.
- + 98 we create private they can't view / download .-
- you can also add a REHOME file. -> create ne Positoy.
 - -> Next commit changes -> Mext commit changes -> Added description of read me file (md - mark down)

Hough cool - one Commit to another Commit

- Jou can also add folders with simple (1).
- -, lastly go to gettings and coente the Page

) - - Version → To define installed qit version

- - heip → convertanding list of git commands.

init

→ To make our suppository as local suppository directing

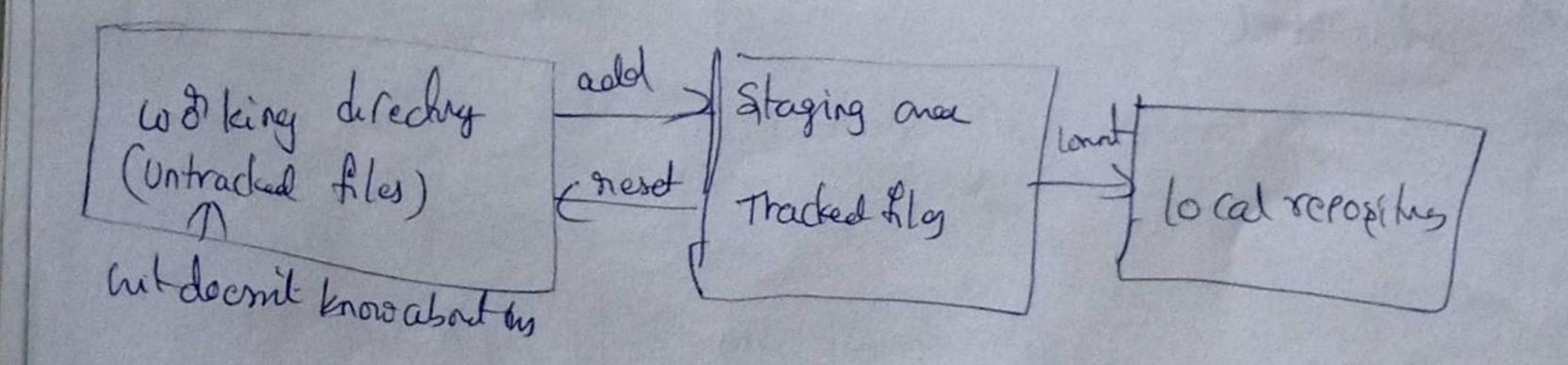
O Gil (med) git -- Version.

Git hui)

Git Bah?

> can also go with normal and prompt.

> git > and) git -init.



- 1) status: to sheete the glatus of code untracked | tracked | tocal.
- 2) Add: Convert untracked files to tracked files
- 3) Reset: Tracked to untracked
- 4) Commit : Permanent save.

```
to to
  > viqueel studio
  1. OPen a program index. html
  De And then to to tenninal, create a new terminal.
 @ c:livs git version
@ git status Contracted files
 (y) git add.
 @ git Status
@ git reset ordex. html
@ git status
8) sit commit -m' index the created -m' index file description?
(2) git 10g (commett)
B git -- oneline (to display in single line)
@ git diff Index. html
 - modify the code & Pentorn (git status)
                                  git add.
                                  git commit -m "ancher tag added!
 → git ~ -- oneline (
 -> git checkout (you can add one commit code)
                                            E Perform. (get back to the previous Version).
        git checkout hash code;
git checkout to name;
Git chedcout to ename;
 > create delahtml
> Rename or move the file (gêt mb/delahtml dahtml) > It will sherame the fle
```

-) git om d. html (to delete the file).

a we can per later

1) git add.

2) git commit -m "file deleted"

3) git log -- oneline

(Then we can see the status of all the oreated, tremamed & deleted files).

(synchronite local nepository with nemote repository:)

- nepopitaly (RChokt Project describes rugh & Pull nequest). After creating it copy HTTPS (link) (https://gethob.com/vighnuprigaskim/
- 2) Also create a local repository in laptor by using visual studio (cfr. + K to + create new folder -> create or file index. html.
- 3) Go to terminal 1) git init

2) git add.
3) git commit -m "index file created"

4) gêt status.

5) git branch -> To show light of branches

- to remote repositry -) so transfer data from local stellositry (cit-admir) Authentication is needed. (which location or sieroxitory you have to add)
- -> A configuration we can use git config --list

Config: system, global & local.

config --global ugen name "jv" -) gif git config --global user «cmail "meuil address"

which location or energiting you have to add. Pugh: Pugh the clata to memote energitary (Pugh -u (upgtream) digin master)
Pull: get from memote energetary > git pugh - v digin magten. (word watch. & get enemote add diegin https://gethob.com/vighnupriyasklm/ogukt-get 9 git pugh -u digin master 2 git add. (4) git Puph - U digin master. D git commit _m "blue color index file". Q git- Pugh digin master (oncept ou branches: branch Thranch (merge the code with the master) master > next: Execution: i) git init -) git add. - git 10mmit -m"index file created" - git branch (mein) > got config -- ligt > git config -- globar uper name "viglnuguyaskln" vær emal "vighneryn i avestærguht skler ac. in

```
git lægt remote add digin "or"
> git pugh - u dilgin meen
           -> Then it will alk for authentication
  - no change the code in the program
          -> git status

-> git add. -> git commit -m " undated rold"

-> git add. -v & rigin main
> git branch
-> get branch rodor (8) get checkout -to rootof. -) (Switched to a rootof)
 -> git branch-
 -> get pugh - u Bugin scold.
  -sagain urdate redala
      -> git-addo
-> git-commit - m" redato!
      -) git rugh - v drigin scold.
  -> merge with 1011 request.
    -> can also delete branch.
   -> git branch -d voold.
   -> see git branch.
 And create a new file. (ese. html)
           cho cst Hml fage (15)
```

C14ms

and do git add.

git commit -m "ost file (sealed")

git branch ocolor

git add.

git add.

git commit -m "pushing coith cst file"

git status

git push digin ocolor

whenever you pugh some data

first create branch of then pugh - so that admin our check

of will check merge or earn

-> a underte null & underte the local relogiting with remote sens code & write own source code then go & push overtr

Q git add.

@ git ruch cenus then

git ruph

git ruph

git ruph

s control Rand -) upon alcal-) (redented mercege) windows conducted synchronize local Repositing with remote overositing (collaborate): @ Public @ private) Create a new serositry. -> coeate a folder in vs & rew fle > git init > git add. > git commit -m" file created" → git config --global uger name "

→ git config --global uger email " -> git rugh -u Ølgin master > git remote add Origin " usu -> git Pugh -u Digin master add . -) git duch - u dogin master -> git connit -m " pink cold is added" -> git branch > git branch - Ploton -> git checkout -b Pcold -> git branch -> git pugh -u digin Plotd

-> gif commit -m "Phk 1018 is added"

3 git PUFA - U digin Prote

> got branch -d Proton

-> git checkout master

git branch -d 10018

-> gil- status

-) git add. -> git statue -> git commit _m "cre file added" -> git Pull--> synchronize local with remete (collaboration > over and in another system & write git done https://githob.com/vizhopriyaskim/rgolesk.grt -> acode : senter -) open forder (Aguett) -> toler a program (now Ale). edit chereges & in terminel do 79it status git add. git commit. -> git push - v digin master > 90 to collaborature add collaborature. (in github) -) again do git rush - v grigin marte -> git branch -> git cheekout -b scolo -> git add. -) git Commit -m". -) git reset index. html

-) git Stuty.

- scherge in the program.

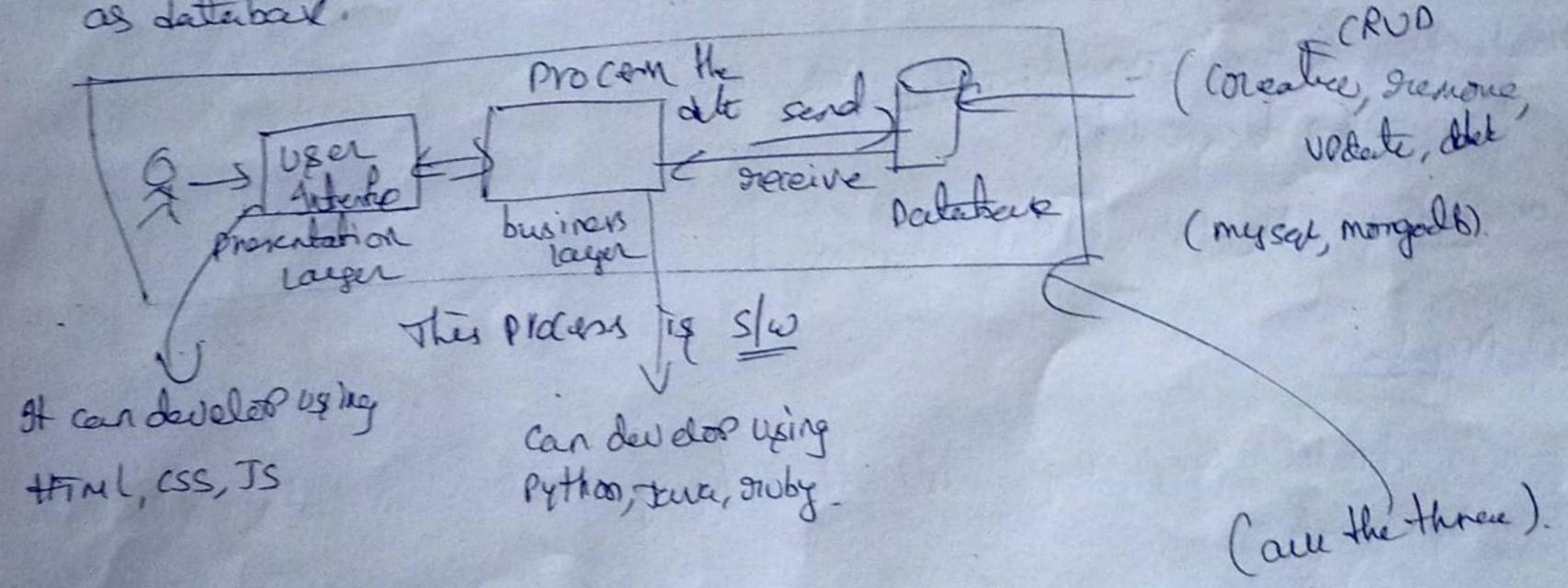
-> git add.

-> git commit -m "colonadded)

-> git Puzh -u dign moster new cold.

Full stack web development & hontered frameworks:

-> 9t you want -6 develop a software, we should have a UI user will interest with UI & to process the dark we maywire some kind on logic (This is called business logic) after processing we will store in some location of this location can be called as database.



The concept of functacle web development to learn another languages.

(1.e., website).

-> UI can develop using time, css & Is -strontend-takes more time.

I transcesses are builtin Hocks I try to newge in our project

O React @ Angular @ Vue.is. (develop by using Hirul, CSS)

VI francesale

- I Grid system need to be followed
- I font size & styles
- -> bullong, Parel etc.

-strontend transmit:

1 Read francevolle:

-) neveloped by fecebook in 2013, going to use lang. Is (Himl+css)

-> used for single lage 100 & Platform | social nlws web arms | menaging alog.

Adug: -> les code / Reugaste

manhache. Continorers uldates (eg: Version 1, 1/2.)

> Post documentation

Convanier: Uber, 16, net 11ix, gretagram etc.

D Angular:

> To develop & ingle Page applications bying model view Control (mode studie the developing trans

- suged typescript as base.

- suged in large scale projects / websites (with more Interactive Interac

-> ulgrades

Adug: (large Community / newclosing time is less
> (up tomize claments

companier: forber, 8 mm ch.

-> Developed in 2014.

> 70 implement light weight Pouts Uges argular

- les developing time loner some puges long. Is

Adog: obensomle) contomization

Pléading: les communités surroit, language bennier (coz develobrel du durent develobre)

Londenie: foogle, toom, Brus, Trivago etc.

Build & Deplocement:

Is how to deploy a Particle website (so that I available to all ales)

Dévelor (Hind + CSS+JS)

> 9t needs to available to ale PPL.

I for eg orgalt website ig developed to a sever which is available to all used

The post code to the server local - XAMUR, abache (connect eath & an access high an access high control to the access high sort party pol.

Soft a location with a location

I so want global word, need to connect remote Sewer (1.e, 3rd Party Sewel Gy: godards, netlist, tws, oigital occen, githers (

-> It needs some kind on Payment

) coowelhostlogen s logen I create with design