Grit and Github (free Code Coump - git and githob exact course) # creating a repository repository + (at top right of somen) -> New creating. Repository Name - (project name) -> (Describe a line Description (optional) about project) 0 New) importing) choose public for all public/private -> ousing choose private for us one needed for a initializing readme fice skip elsc create a five (Read me md) create a new fire # Demo and compact some description coder new fice perform commit changed and chane something in five (edit the Sie) update comment Commit changes (updates) 2 Commits History Commits green two commits one Ĺ Ls see new 80 Later green we changed since another red is newer(+) white => stayed with order fone H before. same as

```
## install Gut (which contains GutBash)
# create a Solder git named and run githash in it.
# Terminal of gitbash.
# powing down
-> git git evone (copy wone or download exception/un in reposition)

git cd demo-repo

zeranges in Terminaus)

-> demo-repo gir (master)
  of: - au forders, files, details
Godd some changes to five and push it
git status Command)
 esp:- modified: Readme. md. 3 Red cover
Guinte an file like index. Home in some demo-repo forder
-> git status
  op:- modified: Readme.md

Untracked: Red cover
        untracked:
              index. html
 () we should track the untrawad fires
-> git add . (caused period)
-> gif clear (crears ferminal)
-> git status
     op:- modified: Readme. md
          new fire: index. Html
    Grow we need to commit
-> git commit _m "added index. html babai" -m "some desognition
      op - indo of changes
```

() Here we still the soved changes located > git push (push to semote reposity where project is hosted) SSH Hely are owner, to connect local machine to github online we use SSH never -> 8sh- Keygen -+ 850 -6 4096 -C V-sninivassonny 70gmailcom Erter file in which we want to some key: my key in & seawe empty Grow key is generated to search for key, -> 15 1 grep mykey mykey. pub >> public for ou it .pri => private for us -> cot mykey. pub Ofp- (full key) Gody whole key (or) use this, -> phopy 2 ~/mykey.pub 6 goto amount -> settings -> sst and bilbe theys my new soft Reyc) (pulse the key (opied) -> Add sett key confirm amount passurer To add soff itely to ssh-agent = (help.github.com =) generating a new soft reg and adding to

git push -> git push origin master () 3 commits (2 onine, 1 pushed offine) Generate demo-sepoz -> cd demo-repoz Co write and create a readme ma she -> git init 3 knowing a local repository) -> git status OIP: - untracked: untracked: readme. md } Red -> gif odd readme.md -> gif status newfire: Readme. md 3 græn -) git commit -m "created readme amma" -m "description" olp: - change /additions/updations into with msg. (XTO push live) -> gif push origin moster ose: error: since local repository no connection to github C) create empty repository with same name in github G create repositions. Copy git@github.com: ---- git) -> git remote add origin (paste that link we aspied) -> gif remote - (created default as origin moster)

-> gif push -v origin master 4 (next time use only

gil branching > demo-repo grt: (master) grt branch off: * moster 3ª Branch (END)) git checkout -b deatured of switched to features git branch SCORREL TO TABLE COTES ge: - * feature 1 who show was sw · matter (END) -> git checkout moster our switched to master > git branch (use tob)

> git checkout Seatures (xauto compretes name)

(in vscode) Change something in readme.md (M nearfire name =) Modified) -> git status Readme-md 3 Red - gif add readme.md -> git commit -m "updated readme" -> git chelkout moster (changes don't appear in master peadme. md) → git dilt features Cs press of → git chackout feature 1

→ git status → git push Glout use, git push -u origin deatures Olp: pushed to github give some instructions allo. Spur request => features to master once or is merged we can derete features branch C) goto github => see compare & pou recovert (boue: ... = compare: --) write about change -> create pul sequest -> see comments commits, Sites Resource (not necessary) (+) In any line (hanged. (s merge pull request -> consirm -> morgas successivey changes made to commaster branch -> git checkout moster -> but no changes in fixes locally since we only made 5 70 get changes locally -) git pull -> (used upstring before) Local charges done in master Op: - changes done Gleiche Seawred -> git branch -d feature1

```
> gir branch
55 To mange merges conflicts
>> git checkout -b quick-test
Godd something in index litml
-s git status
       modified: index. html } Red
> git diff
                           solds and conemite with mag
at same time an done your for
                                  yony for modified
                                   files not newer
                                files
-> gif checkoot master
 Cono change in mostar
Gohange with 2nd line something
conow it we merge both 2nd lines conflicts.
-) git branch
-> git checkout quick-test
 of error: overwritten
     prease commit
 -) git status
        modified: index. Html.
-> git commit -am "added new 2nd line"
-> git checkout quick-test
   gif diff matter
```

git merge master

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Com vscode it shows options on how to change conflicte
is In others delete not needed lines and keep only
needed lines.

both modified : index. html

-) git dist -am "maged/updated with master"

undoing in git

6 add another line in readme.md.

->git status 3 ped

-> git add readme.md

-> git status zgreen

6 but since we sound later that line is not needer/ wrong one

-> git reset

-> git status 3 ped

-> git add Readme. md

-> git commit -m "added wrong line"

-> git status

-> git reset HEAD ~1 2 commit further one -> git status -> gir diff Gpress 9 -> git dog one an commits with latest ones on top CTO goto some commit copy Hashel (Long string of yeurs) Guse spale to see still of commits -> git relet (copied hash of commit) -> still wrong ling exists -> git reset -- hard (another some commit hash) 912- removes an wrong lines compretely Forning GTO make changes in some others repos we need to fork a pou reavest C) cuck on fork in other's repository -> sevect our alward now we can changes only commit and uplate to my forked other's one sor that we create a pull request G pul request - create pur request for others for our master -> marge => our master is fined with others represity + our first and