**Note**

**Git(local) push GitHub (remote)**

**Stage repository repository**

**Pull**

**Commit**

**Add**

**L xx: local => command using Git bash**

**R xx: remote =>command using GitHub**

**GIT (LOCAL)**

**L1-Configuration du GIT**

------user Name

git config --global user.name "your Name"

---- you can check if correct

git config user.name

**L2-Create a new repository**

Git init “repositoryName”

Cd repositoryName

Git status

**L3-Create a new file**

Touch <filename>

**L4-Track the file (Stage)**

Git add <filename>

**L5-Commit (Stage => repository)**

Git commit –m”write a message”

**L6-Displays all of the commits in a repository's history**

Git log

**L7-if you change the content of the file => repeat 4 and 5**

**L8-if you want to replace the actual content by a previous content**

* Display all the commits (git log)
* Copy the hash (green)the previous commit (commit 98ba926f7402712dff5093a4f52bc8f7126ac500 (HEAD -> master))
* Write : git checkout <the hash>

**L9- if you want to create a branch (clone the project in another branch)**

cd <nameOfTheProject>

Git branch <newBranchName>

**L10-switch from branch to another**

Git chechout <branchName>

**L11-list of branch**

Git branch

**L12-merge 2 branch**

Git merge <SecondBranch>

**From local to github(remote)**

**R1 – create repository in github and copy the link of the repository**

**L13-connect the local repository with the github repository**

Git remote add origin <link of the repository >

**L14- check connection between local and github**

Git remote –v

**L15- push:from Local to github**

Git push –u <name of the remote in general: origin> <remote branch name in general: main>

**R2- add collaborators**

* Open the project
* Settings-> collaborators-> add people

**L16-pull: from github to local**

Git pull <name of the remote in general: origin> < remote branch name in general: main>

**R3- fork: from github to github (copy someone’s repository, you can make change without affecting the original project)**

* Open the project that you want to copy
* Fork-> (change name and description [optional])-> create fork