**Git**

* Git :is Distributor Version Control System ,to handle our project
* Github, GitLab, Bitbucket are websites render the same services and they help you to use Git
* We can use Git without GitHub als in our Server central Git
* Git hilt to work all programmers in the same time in one project and changes in the same time and can rollback what’s change before.
* Every project hat Repo and maybe many branch🡪this only for solve one problem in project
* Readme file to write all description and # large heading and ## always smallest ###...etc
* To know how to write in Readme file in GitHub search for syntax in GitHub
* To create local Git, go to target folder with right click then select git Bash here
* Do the following steps only one time for project?
* Initialize with: git init
* Give user name: git config - -global user.name “Adel”
* Give email: git config - -global user.email [u2009n@yahoo.com](mailto:u2009n@yahoo.com)
* After that go to GitHub and create Repo
* Git remote add origin and link the Repo like (<https://github.com/u2009n/Invoices-Repo>) to connect them both (project and Repo).
* Right now, to add to GitHub or update you only must commit:
* Git add .
* Git commit -m “initial commit”
* git push origin master (sometime is main instead of master)

**To make modify for project do the last 3 steps before**

**To show the commit in your local: git log and git status**

* **To share another developer the same project to work together**
* **In GitHub go to setting -collaborators-add people -then search his name**
* **To download the project in his computer, make folder then inside it right click.**
* **Git bash here**
* **Git clone and link(**[**https://github.com/u2009n/E-Commerial**](https://github.com/u2009n/E-Commerial)**)**

**To update in the same project make git bash her and**

**Git remote add origin and link the Repo like (**[**https://github.com/u2009n/Invoices-Repo**](https://github.com/u2009n/Invoices-Repo)**) to connect them both (project and Repo).**

**do the 3 steps with green color.**

* **To get the update that my collage did it I just do**

**git pull origin master**

* **To cancel file already add but not commit** 
  1. **git reset head filename.path**
  2. **or all file git reset --hard**
* **we create branch to divided our work then we gather all after finch in one branch**
* **To create new branch**

1. **git branch branchName**
2. **To go to inside the branch or change: git checkout branchName**
3. **To create and go to inside branch in one command: git checkout -b branchName**
4. **To show all branches: git branch**
5. **To delete branch:git branch -D branchName**
6. **To rename branch: git branch -m newName**
7. **To push to branch: git push origin branchName(muss be inside it)**

**right now, you can add like the master branch but not forget the branchName during push**

**to mirage two branch go to target project in GitHub then**

1. **new request pull -create pull request**
2. **mirage pull request**
3. **confirm**

**or go to master :git merge branchName**

* **to delete Repo go to the repo then setting-Danger Zone-delete this repo**

**If you stack press (q button to get out )**