GitHub

* **Configure :**
  + ***git config --global user.name “name”*:** Global means this will be shared by all local repositories. Sets the name you want attached to your commit transactions
  + ***git config --local user.email “mail@mail”*:** Local means only current repository is affected. Sets the email you want attached to your commit transactions
* **Creation:**
  + ***git init*:** One-time command you use during the initial setup of a new repository . Executing this command will create a new **.git** subdirectory in your current working directory. This will also create a new **master branch**
  + ***git remote add origin <url>*:** Links current repository with remote repository in url to merge/save over it
  + ***git clone <url>:*** The latest version of the remote repo files on the master branch will be **pulled down** and added to a new folder named after the REPONAME. The folder will contain the full history of the remote repository and a newly created master branch
  + ***git remote -v*:** List all currently configured remote repositories
* After this step all the work (changes, new file, modifications, etc..) can be done directly on the data inside the new folder
* **Saving Change:**
  + ***git add<filename>:*** Sets the file to be saved during the next commit (not saved by default)
  + ***git status:*** Lists all changes made to the local repository including those to be and not to be committed
  + ***git commit –m “message”:*** Commits all the changes onto the local repository
  + ***git push origin <branchname>:*** Pushes current branch of local repository onto the branch (ex: master)
  + ***git push --all origin:*** Pushes all branches from local repository onto the remote repository
  + ***git pull:*** Retrieves latest version of branch from remote repository and merges
  + ***git fetch:*** Retrieves latest version of branch from remote repository without merging
* **Branching:**
  + ***git branch:*** List all current repository’s branches
  + ***git branch –d <branchname>:*** Delete branch
  + ***git checkout <branchname>:*** Move to branch
  + ***git checkout -b <branchname>:***  Create and move to branch
  + ***git merge <branchname>:*** Merge changes from branch into current branch
  + ***git diff:*** View conflicts from last merge
  + ***git diff --base <filename>:*** View conflicts on specific file
  + ***git diff <branchname> <branchname>:*** View conflicts without needing to merge first