**Here we will learn basic usage of git (windows os)**

* **Create local repository:**
  + Open a new folder ("repo") where ever you desire your repo to be
  + Go inside that repo folder and copy its path
  + Press "start" and type "cmd"
  + Open **cmd** : type "cd"🡪paste the path🡪press Enter
  + (Here, you are inside repo directory)
  + On cmd, type: "git init"
  + (now repo directory is a repository)
* **Create text file in repo and commit it:**
  + Open your desire text editor(or create file in repo directory)
  + On editor: create file and write "*Master branch*" inside it
  + On editor: click: File🡪save as :: give the file a name and save it inside repo directory
  + **Committing:**
  + Open cmd and navigate to repo directory
  + Inside cmd: type "git status" and see the added file
  + Inside cmd: type: " git add <file name> to stage the file
  + Inside cmd: type: " git commit –m "some commit message" to commit the changes
  + **Note**: master is not being created until first commit
  + (Now master branch contains a text file with content "*Master branch*")
* **Creating a new branch inside repo repository:**
  + Open cmd and navigate to repo directory
  + Inside cmd: type "git branch newbr"
  + A new branch was created as a clone of master branch. Verify it by typing "git branch" which prints all the branches and shows you your current one
* **Change branch and understand branching:**
  + Open cmd and navigate to repo directory
  + Inside cmd: type "git checkout newbr"
  + Open the text file in folder explorer and override it with "*Newbr branch*" content
  + Commit the changes (see "committing" above)
  + **Notice**: switch to master (git checkout master) and see that the text file contains "*Master branch*"**.** Switch tonewbrand see that the text file contains:"*Newbr branch*
* **Connect local repo to remote repository:**
  + Open github.com🡪new🡪give a name🡪click create repository
  + On Github: copy the full URL of the remote repository (it should end with ".git")
  + Open cmd and navigate to repo directory
  + Inside cmd: type "git remote add origin URL"
  + Make sure it worked by typing: "git remote"**.** Output should be "origin"
* **Push repo to remote repository:**
  + After repo is connected to remote origin:
  + Check if there are changes: "git status"
  + Is there are: "git add ." 🡪 "git commit –m …"
  + Push repo to remote by: "git push –u origin master" ( or any other branch you desire)
  + Go to repository URL and refresh: you will see your local repo on web

**Commands:**

* git init: initialize repository on current directory
* git status: check if there are untagged changes
* git add <file name>: add file\s to staging area
* git commit –m "some commit message": commit staged files
* git branch newbr: create a new branch
* git checkout newbr: move from current to newbr branch
* git branch: list all branches
* git remote add origin URL: connect local repo to existing remote repo
* git remote: check if connected to remote repo
* git push –u origin master: push committed changes to remote
* git branch –D <branch name>: delete branch