**Practical-1 Build a branching model to help your team understand the Git workflow for faster integration of work.**

Steps:

* Installing a Git
* Check its version
  + $git -version
* Configuration
  + $git config - -global user.name [any name]
  + $git config --global user.email [any email id]
  + Check it
    - $git config - -global user.name
    - $git config - -global user.email
* Create a repository
  + $mkdir [any foldername] //create a new folder
  + $cd [foldername]
  + $git init //It will create .git folder (hidden folder)
* Adding file in that folder
  + Create a file “welcome.html” with 1-2 heading content any msg
* Check status
  + $git status // file staged / modified / untracked
* Add welcome.html file
  + $git add welcome.html
* Create one more file contact.html and add some content (add 1 line msg) in welcome.html file
  + $git add - -all / $git add –A
  + $git status
* Commit
  + $git commit –m “This is First Commit”
  + $git log
* Work with Git branches
  + $git branch // check branch status
  + $git branch [new branch name]
  + $git branch
* Switching between the branches
  + $git checkout [new branch name]
  + $git branch //check which is active branch
* In new branch
  + Add some content (add 1 image) in welcome.html file
  + add that image in same directory
  + using $git add command, add these welcome.html and image
  + commit with msg
* Now check both branches
* You may delete the branch
  + $git branch –d [new branch name]

**GitHub Concept**

* Create a account on <https://github.com>
* Create repository
  + Give any name for repository; make it public or private, add or don’t add the README file, just create it the way you want.
* PUSH Files into this Repo
  + Copy the your repo URL
    - i.e. <https://github.com/SAMIR-KARIYA/Pract-1>
  + Open the CMD and add the command $git remote add origin URL
    - $git remote add origin <https://github.com/SAMIR-KARIYA/Prat-1>
  + Push all files in GitHub
    - $git push –u origin [branch\_name]
* PULL Files into Local Repo from GitHub
  + Goto GitHub repo and add one file about.html and commited it to GitHub’s project
  + $git pull origin //This file will be available in local folder
* Make some changes in about.html
  + Add some content
* Again add and commit in cmd
  + $git add about.html
  + $git commit –m “updated”
* Then again push it on GitHub
  + $git push origin
* You will find that updated file in GitHub Repo.