Git/GitHub

* Install: git :: on your system
* Set your username and email

1. $ git config --global user.name "abc"
2. $ git config --global user.email "abc@gmail.com"

Check your setup

1. $ git config –list

Basic Commands to check status/log

* $ git status
* $ git log
* $ git reflog

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| Process-1  Set Gihub account  Create your Repository: Test1  Copy Test1 in your local folder(directories) your  $ git clone …..https\_link……  $ ls -a  You will find .git file  Add new file or update existing file any file  Go for Staging Area  $ git add .  Go for commit (local git repository commit)  $ git commit -m “first commit”  Push to Github  $ git push origin main  $ git push -u origin main | Process-2  Create local repository first and create one file  Initialize git  $ git init  $ ls -a  You will find .git file  Add new file or update existing file any file  Go for Staging Area  $ git add .  Go for commit (local git repository commit)  $ git commit -m “first commit”  Link to your github repository  $ git remote add origin <https://github.com/OWNER/REPOSITORY.git>  Check your setup  $ git remote -v  Push to Github  $ git push origin main  $ git push -u origin main |

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| Branching and Merging  Check your branch   * $ git branch   To rename branch   * $ git branch -M main   Create New Branch   * $ git branch newbranchname   Delete any branch   * $ git branch -d branchname   Switch to any branch   * $ git checkout branchname   Rest all processes are same for git add/commit/push  Difference between two branches (Let suppose we are on branch: gfg)  We can merge using pull request button over GitHub   * $ git diff main * $ git merge main   We want the changes done in main after pull request in GitHub to be appeared in our local repo then we need to fetch/download changes in our local repo using this command   * $ git pull origin <branch name> * $ git pull origin main |