**Basic Git Commands**

1. **Creating Git config**

git config -- global user.name “user1”

git config – global user.email “[user1@gmail.com](mailto:user1@gmail.com)”

1. **Push code to GitHub**

* Go to your project location in command prompt.
* Initialize a git file to read your code from local machine by GitHub.

git init

* Commit your changes
  + Staging is the first level of commit

git add \*

or

git add <filename>

* To know the files you added to staging, check the status

git status

* Commit your files added to staging.

git commit -m “First Commit Message”

* Adding remote repository

git remote add origin <server>

origin: Name for the remote repository

remote: Remote connection

server: Address of the remote repository, i.e., URL of your repository.

* Push your code

git push origin master

master: default branch

1. **Clone a fresh repository**

To download an entire fresh repository for the first time to your local repository, clone or download the code.

git clone <link>

1. **Pull the latest code**

To take the latest code to your local machine instead of downloading the entire repository, just pull only the latest changes.

git pull origin master

1. **Branching in GitHuB**

* To create a new branch

git checkout -b <branchName>

* To know the current branch

git branch

* Push to branch

git push origin <branchName>

* Pull from branch

git pull origin <branchName>

* Switch to another branch

git checkout <branchName>

* To merge the branch to master
  + Checkout to master branch
  + Merge the branch

git merge <branchName>