**Basic Commands on GIT**

**Repository Setup**

* git init //Initialize local git repository
* git clone <repository-url> //Clone repository into a new repository
* rm -rf .git //Reinitialize with Caution

**Checking Status**

* git status //Check status of working tree
* git log //View the commit history for the current branch

**Staging Changes**

* git add <file> //Add a Specific File
* git add . //Add All Changes
* git add file1 file2 file3 //Add Multiple Files
* git add directoryname/ //Add All Files in a Directory

**Advance Options**

* git add -N . //To add only new (untracked) files, without modifying already tracked files
* git add '\*.txt' //To stage files matching a pattern (e.g., all .txt files)
* git add -A //Add All Files Including Untracked Files
* git reset <file> //Unstage a file (keep changes in the working directory)

**Committing Changes**

* git commit -m " " //Commit with a message describing the changes
* git commit --amend -m " " //Modify the most recent commit (e.g., to update the commit message or add forgotten changes)

**Branching and Merging**

* git checkout -b <branch-name> //Create and switch to a new branch
* git branch //View all branches
* git checkout <branch-name> //Switch to an existing branch  
  git merge <branch-name> //Merge changes from one branch into the current branch
* git branch -d <branch-name> //Delete a local branch

**Remote Repositories**

* git remote add origin <remote-url> //Add a new remote repository
* git remote -v //List all remote repositories
* git push origin <branch-name> //Push changes from the local branch to the remote repository
* git pull //Fetch and merge changes from the remote repository into the current branch
* git remote -v // Check Existing Remotes or Verify New Remote URL
* git remote remove origin // Remove Existing Remote URL
* git remote add origin <new-repo-url>// Add New Remote URL
* git push -u origin <branch-name> // Push to New Remote (if needed)

**Configuration**

* git config --global user.name " " //Configure user name and email (used in commits)
* git config --global user.email “ ” // Configure user name and email (used in commits)
* git config –list // List all Git configuration settings

**P.S:**  
Default Branch Name: Master

URL: HTTPS or SSH

Example: HTTPS

<https://github.com/yourusernameingithub/yourrepositorycreated.git>

Example: SSH

git@github.com: yourusernameingithub/yourrepositorycreated.git