**Git:** Git is a widely used version control system that allows you to track changes in your files, collaborate with others, and manage your project's history effectively.

**Basic Definitions:**

**Repository (Repo):** A repository is a storage location where your project's files and revision history are stored.

**Commit:** A commit is a snapshot of your repository at a particular point in time. It represents a set of changes made to your files.

**Branch:** A branch is a parallel version of your repository. You can create branches to work on new features or fixes without affecting the main codebase.

**Merge:** Merging is the process of integrating changes from one branch into another. It combines the changes made in different branches into a single branch.

**Pull Request (PR):** A pull request is a request to merge changes from one branch into another. It's commonly used in collaborative workflows to review and discuss code changes before merging them.

**Remote:** A remote is a copy of your repository that is hosted on a server, such as GitHub, GitLab, or Bitbucket. It allows multiple developers to collaborate on the same project.

**Basic Commands:**

**git init:** Initializes a new Git repository in the current directory.

**git clone [repository URL]:** Clones a repository from a remote server to your local machine.

**git add [file(s)]:** Adds changes in the specified file(s) to the staging area.

**git commit -m "[commit message]":** Commits the staged changes with a descriptive message.

**git push:** Pushes committed changes from your local repository to the remote repository.

**git pull:** Fetches changes from the remote repository and merges them into your local branch.

**git branch:** Lists all branches in the repository.

**git checkout [branch name]:** Switches to the specified branch.

git merge [branch name]: Merges the specified branch into the current branch.

git status: Displays the current state of the repository, including tracked/untracked files and changes.

git log: Shows a history of commits in the current branch.

git remote -v: Lists all remote repositories along with their URLs.