Git commands are categorized based on their functionalities such as setup, basic operations, branching, collaboration, and inspection. Here’s an overview of various Git commands:

**Setup and Configuration**

1. **git config**
   * Configure user information, repository settings, and Git behavior.

git config --global user.name "Your Name"

git config --global user.email "your.email@example.com"

**Basic Operations**

1. **git init**
   * Initialize a new Git repository.

git init

1. **git clone**
   * Clone a repository into a new directory.

git clone https://github.com/user/repo.git

1. **git add**
   * Add file contents to the index (staging area).

git add filename

git add .

1. **git commit**
   * Record changes to the repository.
   * git commit -m "Commit message"
2. **git status**
   * show the working tree status.

git status

1. **git log**
   * show the commit logs.

git log

1. **git diff**
   * show changes between commits, commit and working tree, etc.

git diff

git diff --staged

1. **git reset**
   * Reset current HEAD to the specified state.

git reset --soft HEAD~1

git reset --hard HEAD~1

**Branching and Merging**

1. **git branch**
   * List, create, or delete branches.
   * Examples:

git branch

git branch new-branch

git branch -d branch-name

1. **git checkout**
   * Switch branches or restore working tree files.

git checkout branch-name

git checkout -b new-branch

1. **git merge**
   * Join two or more development histories together.

git merge branch-name

**13.git rebase**

* + Reapply commits on top of another base tip.

git rebase branch-name

**Remote Repositories**

1. **git remote**
   * Manage set of tracked repositories.

git remote -v

git remote add origin https://github.com/user/repo.git

1. **git fetch**
   * Download objects and refs from another repository.

git fetch origin

1. **git pull**
   * Fetch from and integrate with another repository or a local branch.

git pull origin main

1. **git push** 
   * Update remote refs along with associated objects.

git push origin main

**Inspection and Comparison**

1. **git show**
   * show various types of objects (commits, tags, etc.).

git show commit-ha

1. **git log**
   * show commit logs.

git log

These commands cover the majority of Git functionalities, allowing you to manage your repositories effectively.