Setup

Set a user name	git config --global user.name "[fi-rstname last name]"
Set an email	git config --global user.email "[valid email]"
Set automatic command line coloring	git config --global color.ui auto

Setup and INIT

Initialize a directory	git init
Clone an entire repository via URL	git clone [url]

Inspect and compare

Show the commits in B but no in A	git log branchB..branchA
Show the commits that changed file	git log --follow[file]
Show the diff of in A but no in B	git diff branchB...branchA
Show any object in git	git show [SHA]

Tracking Path changes

Delete the path from project and stage the removal for commit	git rm [file]
Change an existing file path and stage the move	git mv [existing-path] [new-path]
Show all commits logs with movements in path	git log --stat -M

Ignoring patterns

Save a file with desired patterns as .gitignore	*.notes/
Configure the file	git config --global core.excl-udesfile [file]

Stage and Snapshot

Show modified files in working directory	git status
Add a file to stage	git add [file]
Unstage a file	git reset [file]
Diff of what is changed but not staged	git diff
Diff of what is staged but not committed	git diff --staged

Stage and Snapshot (cont)

Commit your staged content	git commit -m "[descriptive message]"

Branch and Merge

List your branches	git branch
Create a new branch	git branch [branch-name]
Switch to another branch	git checkout
Merge the branch into the current	git merge [branch]
Show all the commits	git log

Share and Update

Add a git URL as an alias	git remote add [alias] [url]
Fetch down all the branches from git remote	git fetch [alias]
Merge remote branch into your current branch	git merge [alias]/[-branch]
Transmit local branch commits to remote	git push [alias][branch]
Fetch and merge all commits	git pull

Rewrite History

Apply any commits of current branch ahead of specified one	git rebase [branch]
Clear staging area and rewrite working tree fro specified commit	git reset --hard [commit]

Temporary commits

Save modified and staged changes	git stash
List stack-order of stashed file changes	git stash list
Write working from top of stash stack	git stash pop
Discard the changes from top of the stack	git stash drop