Elementary commands for

Git Version Control

Clone repository	git clone https://github.com/udacity/course-git-blog-project.git
Get status	git status
Log	
Show all commits	git log (use q to quit)
	git log --stat
	git log --online
	git log --p
Show 2 changes back	git log --p -n 2
	git log --since="2 weeks ago" --until="2 days ago"
	git log --pretty=format:"%h - %an, %ar : %s"
	git log -p fdf5393
Show	
Show only one commit	git show fdf5493 (use SHA, -p, -w, --patch, --state)
3 steps to upload our changes	
Add to staging area	git add --all
	git add .
Add to local repository	git commit -m “initial commit”
Add to remote repository	git push
Difference	
Show difference	git diff
	git difftool
Show the changes in staging area, not in commit area	git diff --cached
Tags	
Add tag to project	git tag -a v1.0
	git tag -a v1.5 -m "This is version1.5"
Show all tag	git tag
	git show v1.5
Delete tag	git tag -d v1.0
Add tag to a past commit	git tag -a v1.0 a87894
Branches	
Show all branches	git branch

Show all branches inclusive remote	git branch -a
Show all branches inclusive flags	git branch -a -v
Create branch	git branch newbranch
Create branch from other	git branch newbranch master
	git checkout -b otherbranch (create and switch to it all)
Switch between branches	git checkout otherbranch
Delete branch	git branch -d newbranch
Force delete branch	git branch -D newbranch
Revert/Alter/Erase	
Reverting commit	git revert <sha-of-commit>
Alter commit	git commit --amend
Erase previous commit	git reset --hard HEAD~1
Undo changes	(only in commit area)
Undo changes for a group of files	git checkout -- .
Undo changes for a file	git checkout -- file1
	it checkout HEAD -- .
Undo changes	(only in staging area)
Undo a file	git reset HEAD file1
Delete all in staging and go to a previous status	git reset --hard HEAD~1
Reverse SHA	git revert 434bg1
Reverse from a HEAD to another	git revert HEAD...HEAD~2 --no-edit
Merge	
Join two branches	git merge newbranch otherbranch
	git merge newbranch master
Share your code with others	git push origin master
Blame	
Who made the changes?	git blame file1
Who made the changes between line 6 and 8	git blame -L 6.8 index.html
Show the email who made the changes	git blame --show-email file1
Picking	(very dangerous command)
Reverse what we have launched	git cherry-pick --abort
	git cherry-pick --continue
Rebase	

Condense all the changes of a project	git rebase --interactive --root
Amend	(you have to do git add again and then git commit again)
If you commit but forget something	git commit --amend
Stash	(to store in a temporary place what we have staging)
Store “in a photo” what staging with git add	git stash
To bring from staging area into local	git stash apply
Push	
Add to remote repository	git push
Add from local repository to remote repository	git push origin master