

Setup

git config --global	set a name that is identifiable for credit when review version history
user.name "firstname lastname"	
git config --global	set an email address that will be associated with each history marker
user.email "[valid-email]"	
git init	initialize an existing directory as a Git repository
git clone url	retrieve remote repository from url

Stage and Snapshot

git add file1.js	Stages file1.js
git add .	Stages the current directory and all its content
git reset file1.txt	unstage the file and keep the changes of file1.txt in working directory
git commit -m message	commit the staged changes with appropriate message

Branch and Merge

git branch	show the list of branches
git branch b1	create new branch b1
git branch -d b1	delete branch b1
git checkout b1	switch to b1 branch
git merge b1	merge branch b1 to the current branch

Share and Update

git remote	show remote branches
git remote add repo url	add a new remote repo at url
git fetch	fetch all branches from origin
git pull	fetch and merge changes from remote repo to local repo
git push	push local changes to remote repository

Rewrite History

git reset HEAD~2	removes and unstage last two commits of current branch
git reset --soft HEAD~1	removes and stage last commit of current branch
git reset --hard HEAD~3	discards last three commits of current branch
git revert commitID	revert the given commitID
git rebase b1	merge changes of branch b1 to top of the current branch
git cherry-pick commitID	merge the change of commitID to the current branch

