Command Git Tasks

Task	Command	
Repository		
Clone a repo	git clone <repo URL>	Also sets up a map from a local branch to an upstream branch
Change the last commit message	git commit --amend -m 'New message'	
Branching		
List remote branches	git branch -r	
Add an existing remote repo to local repo	git remote add origin <remote URL>	follow this with a git fetch
fetch changes from a remote repo	git fetch <location>	e.g. git fetch origin
Link local branch to remote branch	git branch --set-upstream	git branch --set-upstream master origin/master
Diffing		
Show differences for last change	git show HEAD	
Show changes made in a specific commit	git show SHA1	
Shows diffs between relative versions	git diff HEAD~2 HEAD~1	
Show diff from specific version to current version	git diff SHA1	
Shows diffs between versions	git diff SHA1 SHA2	
Logging		
Show log with oneline per change	git log --oneline	
Show short log	git shortlog	
Count commits to repo	git log --oneline | wc -l	
Show log with branches and merges	git log --graph	
Show committers email address	git shortlog -sne	
Show remote log	git log <location>	e.g. git log origin/master
Tagging		
Create a tag	git tag v1.0	
List tags	git tag	
Create a tag with a message	git tag v1.0_with_message	
Create a signed tag (requires a secret key)	git tag -s v1.0_signed	
Verify a signed tag	git tag -v v1.0_signed	
Send local tags to remote repo	git push --tags	