Cheatography

GIT Cheat Sheet by Mateusz Kocur via cheatography.com/27298/cs/7803/

		ADD CHANGES	
<branch_name></branch_name>	Last commit on the branch	commit [-m "commit msg"]	Commit staged changes
HEAD	Current commit (parent for next commit)	commit -a	Add & commit all tracked files
HEAD^	parent of HEAD	commitamend	Add changes to last commit
HEAD~n	n-th level parent of HEAD	add [file]	Stage file
HEAD@{n}	HEAD n moves ago (reflog)	add -p	Add chunks interactively
SHA1 ID (4-20 characters)	Unique commit identifier	diffstaged	Inspect staged changes
HEAD~0 == HEAD HEAD~1 == HEAD^		UNDO CHANGES	
		checkout.	Undo uncommited changes
WORK CYCLE		reset HEAD	Unstage files
Create branch for new feature		resetsoft HEAD^	Undo commit (to stage)
git checkout develop		resethard HEAD^	Undo commit
git checkout -b fb/new_fea	ature_branch	revert <commit></commit>	Revert existing commit
Add change # make changes		BRANCHES	
make compile	make compile		List all branches with refs
git status git add file.c		branch <name> [<commit>]</commit></name>	Create branch (at <commit>)</commit>
git diffcached (orstage	ed)	checkout -b <branch_name></branch_name>	Create & checkout new branch
git commit		checkout <branch> [file]</branch>	Checkout workspace (or file)
Rebase		branch -m <new_branch_name></new_branch_name>	Rename current branch
git pullrebase origin develop		branch -d -D <branch></branch>	Delete merged/unmerged branch
Push unfinished feature bra		MERGE	
Merge with develop when finished		merge <with_branch></with_branch>	Merge branch (default: fast-forward)
# ensure we're rebased on latest develop		merge <with_branch>no-ff</with_branch>	Merge branch (no fast-forward)
git checkout develop git pull		REBASE	
git merge fb/new_feature_	_brancnno-tt	rebase <new_root_commit></new_root_commit>	Rebase current branch
Push develop		rebase -i <start_commit></start_commit>	Interactive rebase
git push origin develop		rebase -i HEAD~n	Interactive rebase (last n commits)
Remove feature branch git branch -d fb/new_featu	ure_branch		

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git push origin :fb/new_feature_branch

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REMOTES		TAGS		
remote -v	Show all remotes	tag	Liast tags	
remote add <name> <url></url></name>	Add remote	tag <tagname> [<commit>]</commit></tagname>	Add lightweight tag	
remote remove <name></name>	Remove remote	tag -a <tagname> [-m "Tag message"]</tagname>	Add annotated tag	
		tag -d <tagname></tagname>	Remove tag	
REMOTE BRANCHES		push <remote> <tagname></tagname></remote>	Push tag	
fetch [<remote>]</remote>	Get remote changes	push <remote>tags</remote>	Push with all tags	
pull [<remote>]</remote>	Get & merge remote changes	push <remote> :<tagname></tagname></remote>	Remove remote tag	
pullrebase [<remote>] [<branch>]</branch></remote>	Get & rebase on remote changes	BLAME		
push [<remote>] [<branch>] [-f]</branch></remote>	Push local branch to remote	blame <file> [-L start,stop] Check who modified file (lines start-stop)</file>		
push -n	Dry-run push			
remote prune origin	Clean all old remote branch	REFLOG		
	references	reflog	Show history of HEAD	
RESET		branch <new_branch_name> <lost_com< td=""><td>mit> Recover deleted branc</td></lost_com<></new_branch_name>	mit> Recover deleted branc	
reset <mode> [<commit>]</commit></mode>	Reset current branch to <commit></commit>	CLEAN		
resetsoft HEAD^	Undo commit	gc Manually clean garbage objects		
reset HEAD~n	Undo last n commits	clean -fd Remove not tracked files and folders		
soft - do not touch working tree mixed - resets index hard - resets working tree & inc CHERRY-PICK		BISECT bisect start <bad_commit> <good_commit></good_commit></bad_commit>	Init bisect	
cherry-pick <commit></commit>	Apply already-existing change	bisect run test_script.sh	Run automated binary- search	
rebaseonto <base/> <start^> <end></end></start^>	Apply set of already-existing changes	Error code 125 to skip current branch		
STASH				
stash	Stash workdir & index			
stash list	List stashes			
stash pop [index]	Apply & delete stash			
stash apply [index]	Apply stash			
stash pop [stash@{n}]	Apply & delete n-th stash			
stash drop [stash@{n}]	Remove n-th or latest stash			
stash clear	Remove all stashes			

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