6/5/2020 Git revisions cheatsheet

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Git revisions cheatsheet

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A list of revision specifications you can use with git log and many other Git commands. Summarized from gitrevisions(7) man page.

Example usages

git log masterdevelop	inspect differences in branches
git rebase -i HEAD~3	rebase last 3 commits
git resethard HEAD@{2}	undo last operation that changed HEAD
git checkout v2 ^{}	checkout the v2 tag (not v2 branch)
The 3rd argument in each of these commpassed to many Git commands.	ands is a gitrevision. These gitrevisions can be

Common git revisions

git show dae68e1	sha1
git show HEAD	reference
git show v1.0.0	tag
git show master	local branch
git show origin/master	remote branch
git show master~2	2 commits back from master
git show masterfix	reachable from fix but not master
git show masterfix	reachable from fix and master, but not both
These are just the common commands, not just git sho	ones, there's a lot more below! (These work in many other ow.)

Reference

Commits

git checkout dae68e1	sha1
Searching back	
git checkout master@{yesterday}	also 1 day ago, etc

References

git checkout	HEAD	reference
git checkout	master	branch
git checkout	V1.0.0	tag

git checkout	
git checkout	
Randes	F
git checkout	1
checkout checkout checkout checkout checkout checkout	git git git git git

git checkout origin/master	aka, refs/remotes/origin/master
Other git checkout heads/master	aka, refs/heads/master
HEAD: README	
0:README	(0 to 3)

Ranges

#

reachable parents from master	git log master
exclude reachable parents from master	git log ^master
reachable from fix but not master	git log masterfix
reachable from fix and master, but not both	git log masterfix
parents of HEAD	git log HEAD^@
HEAD, then excluding parents's ancestors	git log HEAD ^!
search previous HEADs matching criteria	# References

Git Tools - Revision Selection (git-scm.com) gitrevisions(7) (kernel.org)

Ranges illustration

https://devhints.io/git-revisions 2/3