

Useful for local mistakes

- `git reset --soft`
 - reset to given commit but keep changes in working dir
- `git reset // --mixed id default`
 - reset to given commit but keep changes in staging
- `git reset --hard`
 - reset to given commit, deletes changes to tracked files, but keeps changes to untracked files

===

Remove any unwanted changes to untracked files

`git clean -df // d = dirs, f = files`

===

to undo a clean:

`git reflog // list commits in order of reference`

`git checkout // detached HEAD = not on a branch anymore, will be garbage collected after 2 weeks`

`git branch detached_state // save the discarded changes to a new branch as a backup`

===

Revert commit that other people have already pulled

`git revert // creates a new commit to reverse the effect of an earlier commit, doesn't modify existing commits`

=====

this will show a diff between two commits

`git diff`

==

Revert to a merge commit

`git revert -m 1 // the arguemnt here is the id of the parent you wish to keep`

`git show --format=full`