



[git checkout](#) is effectively used to switch branches.

[git reset](#) basically resets the repo, throwing away some changes. It's somewhat difficult to understand, so reading the examples in the documentation may be a bit more useful.

There are some other useful articles online, which discuss more aggressive approaches to [resetting the repo](#).

[git commit --amend](#) is used to make changes to commits after-the-fact, which can be useful for making notes about a given commit.

[git revert](#) makes a new commit which effectively rolls back a previous commit. It's a bit like an undo command.

There are a [few ways](#) you can rollback commits in Git.

There are some interesting considerations about how git object data is stored, such as the usage of sha-1.

Feel free to read more here:

- <https://en.wikipedia.org/wiki/SHA-1>
- <https://github.blog/2017-03-20-sha-1-collision-detection-on-github-com/>

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