

# Reverting

How we undo changes to a repository.

## Review the HISTORY of the Repo

The way we view the HISTORY of a repo is with the `log` command

```
git log
```

this shows you a history of ALL commits on the current branch

if we want to show this info in a more concise format

```
git log --oneline
```

we can also add additional flags for showing the history of ALL branches

```
git log --branches=*
```

if you want to log the history of a specific branch

```
git log BRANCH-NAME
```

## Reverting with `REVERT`

using the command

```
git revert HEAD
```

we will create a NEW commit which reverts the latest commit

your HISTORY will still contain the change but revert will undo it

## Reverting with `RESET`

this works differently to revert as it will DELETE the history back to the commit you specify

```
git reset --hard SHA1
```