Lesson Wednesday

Introduction to Programming (/introduction-to-programming) / Arrays and Looping (/introduction-to-programming/arrays-and-looping) / Rewriting Git History with Rebase

Text Cheat sheet

Terminology

- **Rebase**: The act of moving a branch to a new base commit (essentially just moving a branch from one commit to another).
- **Squashing**: The act of combining multiple commits together into one.

Commands

- `$ git log --oneline`: Returns a repository's log of commits, each condensed to a single line.
- `$ git commit --amend -m "updated commit message here.`: Modifies a repository's most recent commit message with the new message provided.
- `$ git rebase -i`: Changes commit messages and combines multiple commits by "squashing" them together:
  - rewrite commit messages by changing `pick` to `reword`

- squash one or more commit messages by changing `pick` to `squash`

Examples

See a project's commit history with the `git log` command. Add the `--oneline` flag to display the history in an easier to read format:

```
$ git log --oneline
d7e33de something css related
32ccc0b do something with html
9db82b6 update readme
79e9de2 add readme
827ad58 add initial files
```

Amend the most recent Git commit:

```
$ git commit --amend -m "add styling to main page"
```

Previous (/introduction-to-programming/arrays-and-looping/practice-using-tdd-with-text-analyzer)
Next (/introduction-to-programming/arrays-and-looping/practice-rewriting-git-history-with-rebase)

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