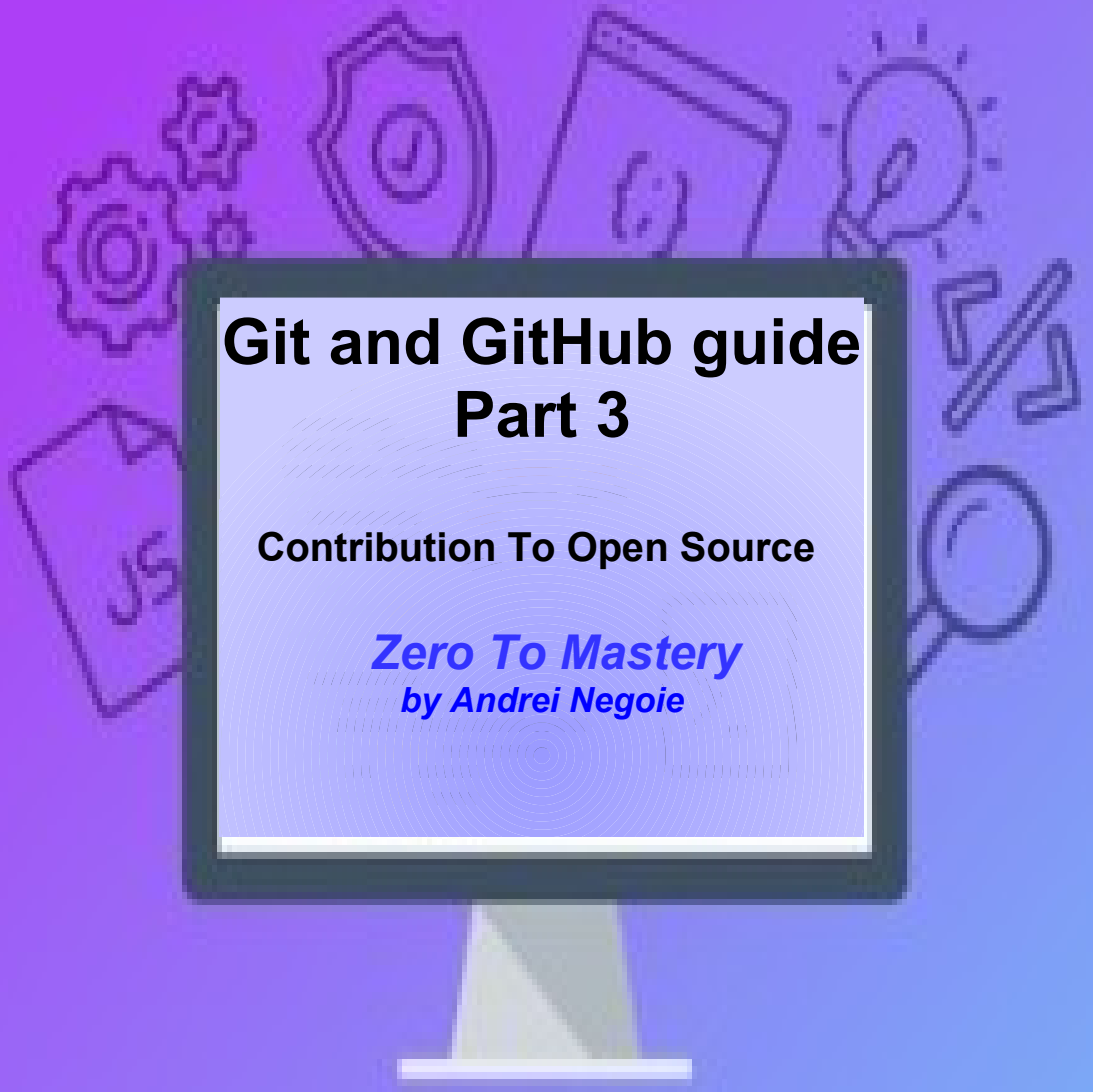
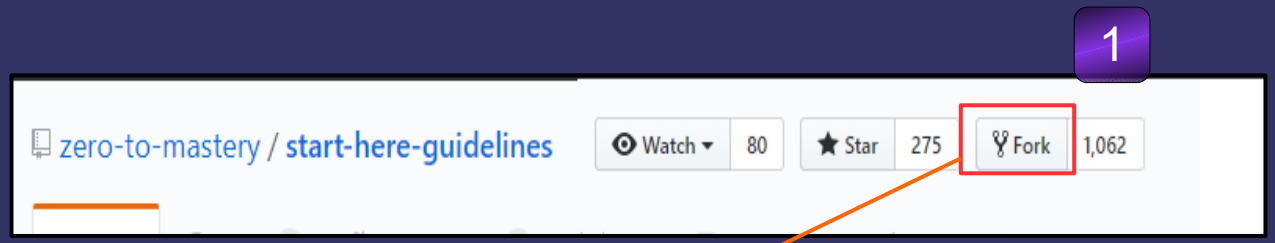
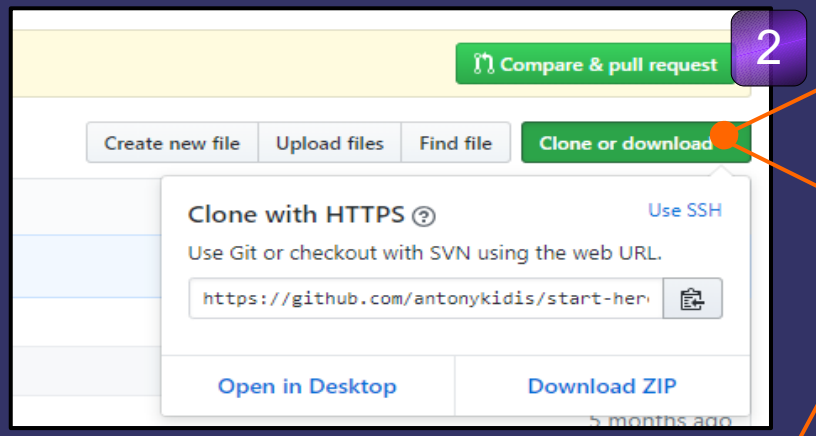

Git and GitHub guide
Part 3
Contribution To Open Source
Zero To Mastery
by Andrei Negoie

Lection 148. We start from 05:41 minutes (follow these steps)

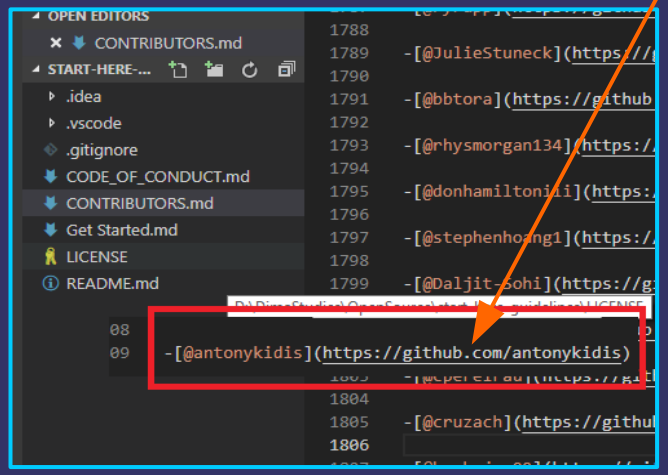


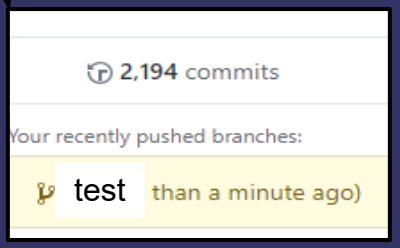


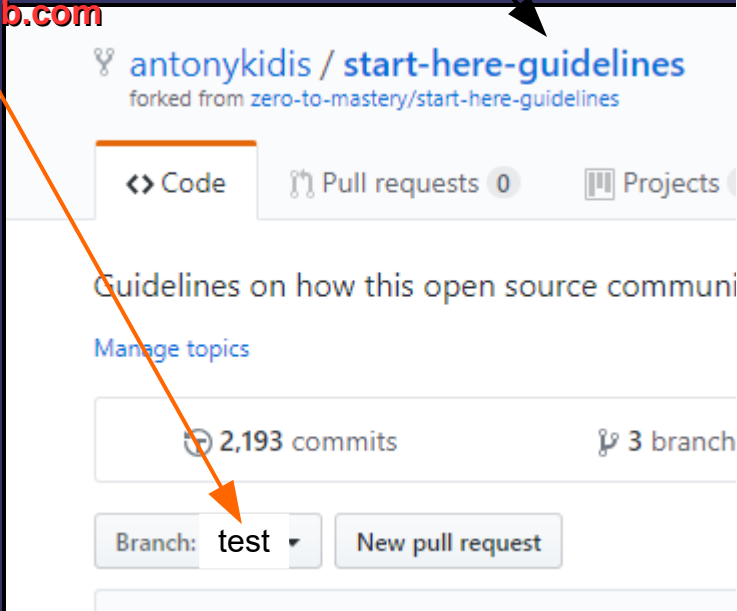
3. git clone https://github.com/antonykidis/start-here-guidelines.git
4.Cd into start-here-guidelines.
5.ls

CODE_OF_CONDUCT.md CONTRIBUTORS.md 'Get Started.md' LICENSE README.md

6.Type start code . (for VS Code should open the entire folder)
7.Branch out git checkout -b test
8. Add your name to the list of contributors
9. Save all CTRL+S
10. git add .
11. git commit -m“test“
12. git push origin test
13. git push
14. go back to https://github.com
15. See a notification
16. Finish a pull request as appears in the video.





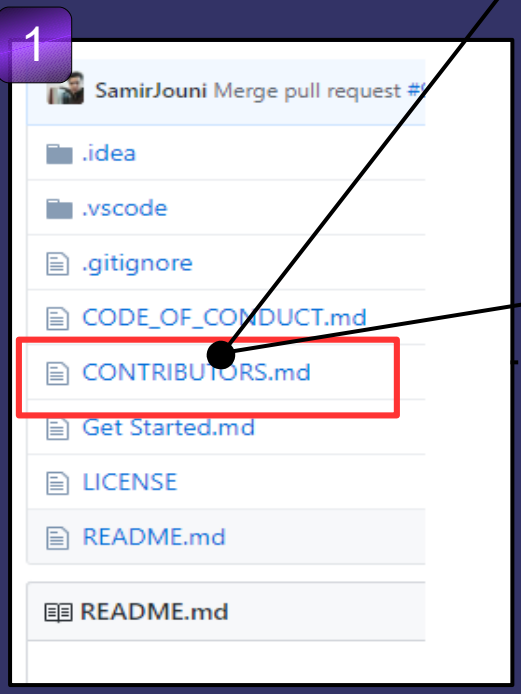


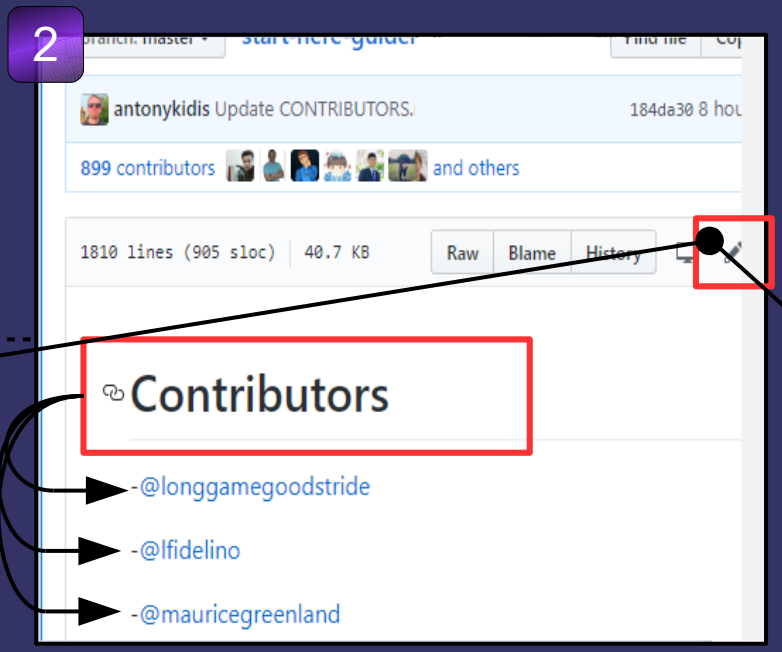
A different way adding yourself to CONTRIBUTORS.MD

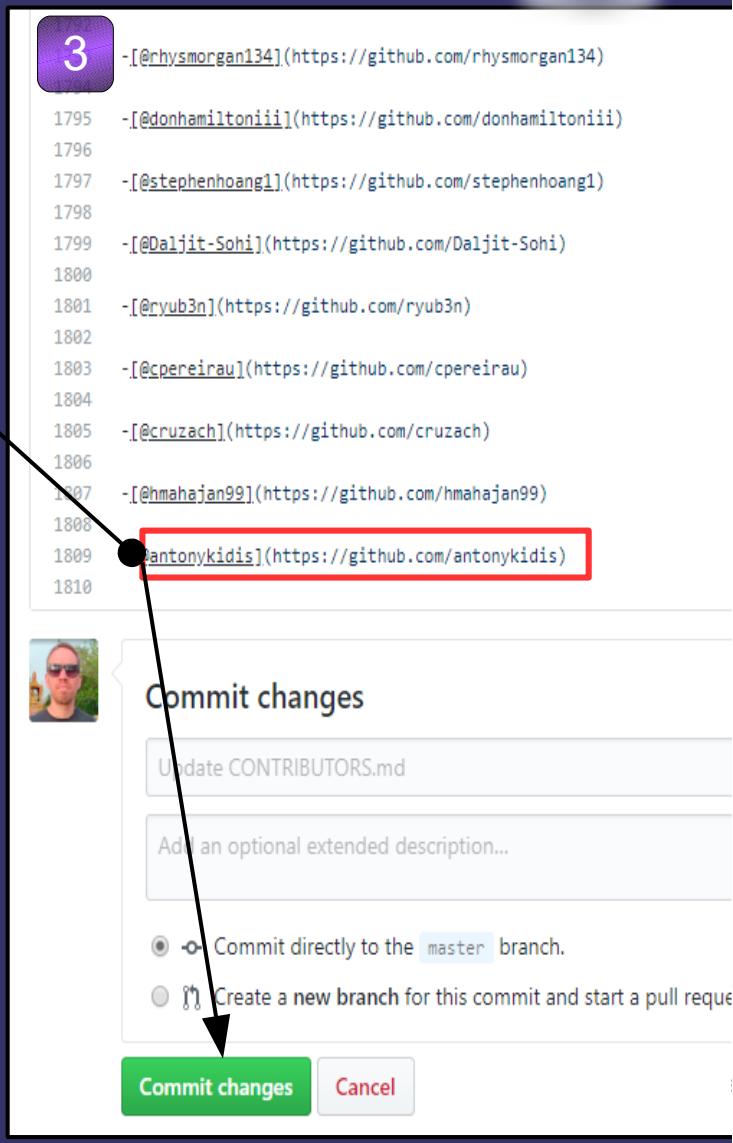
We could skip the previous page and do the following

** Another way adding yourself to a CONTRIBUTORS.md list would be editing it straight on a start-here-guidlines GitHub repository.*

1. Go to the forked repo https://github.com/antonykidis/start-here-guidelines
2. At your left hand side click the CONTRIBUTORS.md file.
3. Click Edit (pencil icon)
4. Add your name to the very end of the contributors list (using the mark down syntax)
5. Commit changes.







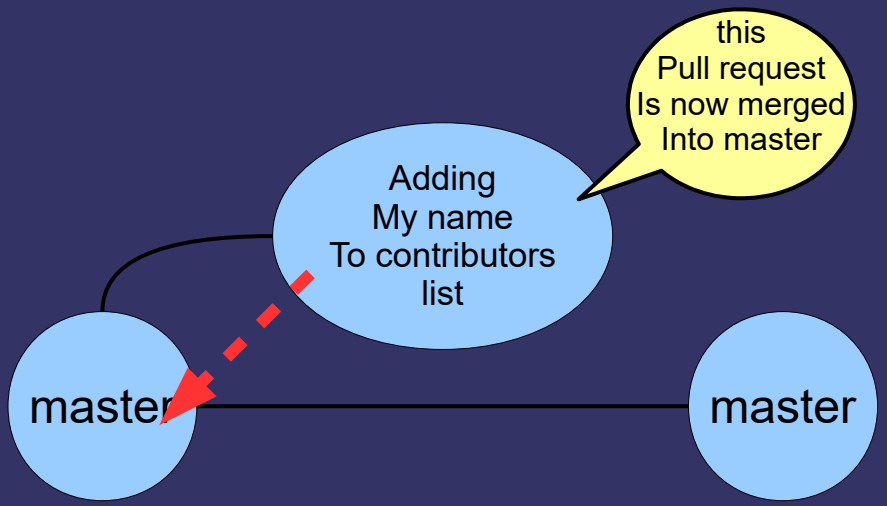
6. You will recieve a new Pul Request notification.
7. Finish this procedure by clicking Compare and Pull request button.
8. Administrators will accept this pull request and merge it into master.

Congratulations on adding yourself as a new contributor!

...Meanwhile somewhere in the cosmos

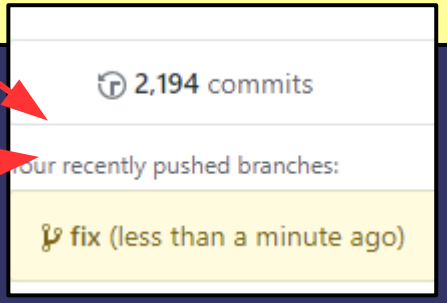
One of the administrators have merged our pull request into the master.

We've been added to a CONTRIBUTORS.md list.



After adding myself to a contriburors list via GitHub website, I finally decided to repeat these steps, but this time by cloning a repository, adding myself to the Contributors list, and pushing it back to a gitHub (as it apears in the original video)

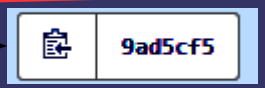
I can say that I've edited the contributor's list two times so far.
1. By editing it on a GitHub website.
2. By cloning a repo, modifying a contributors list, and pushing it back to a GitHub
3. This caused the notification to appear once again.

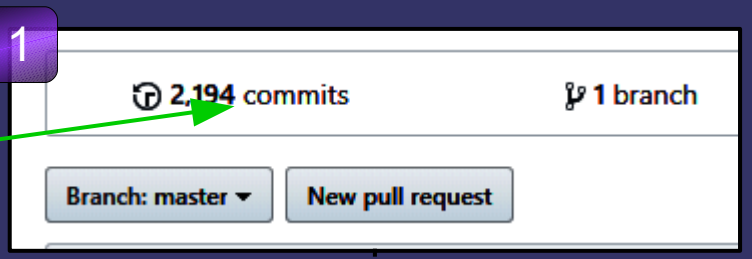


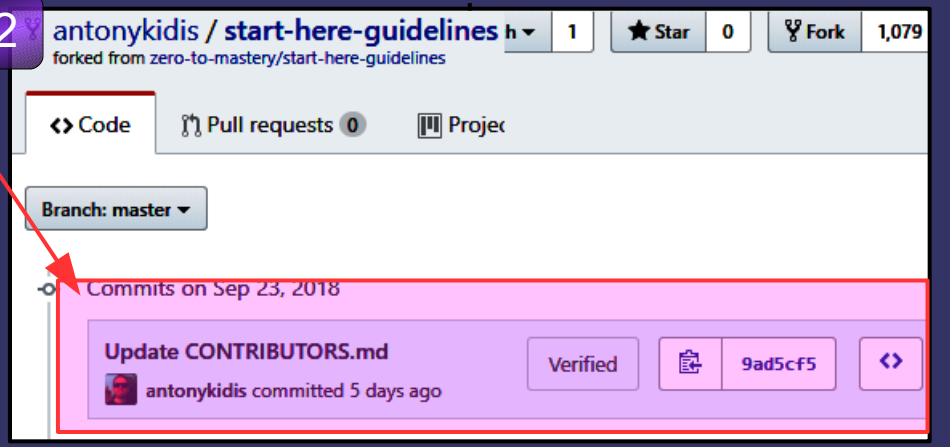
Okay I have a new pull request notification.
But I don't need it because my name is already In the contributors' list
Hmmm...
Is there any way to get rid of it?
It's a good question...

We could try to delete the commit like this

1. Go to a forked repo https://github.com/zero-to-mastery/start-here-guidelines
2. Click commits link.
2. Locate your commit.
3. Copy the commit ID
4. Go to terminal.
5. type git push origin +9ad5cf5^:master







\+ Specify what destination ref to update with what source object.
The format of a <refspec> parameter is an optional plus +, followed by the source object <src>, followed by a colon :, followed by the destination ref <dst>

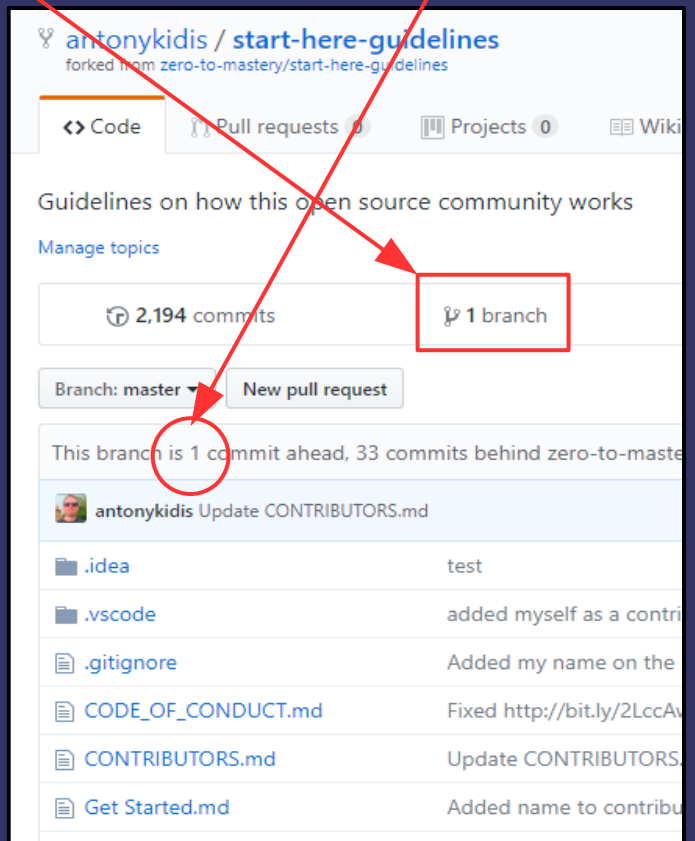
^ HEAD^ means the first parent of the tip of the current branch.

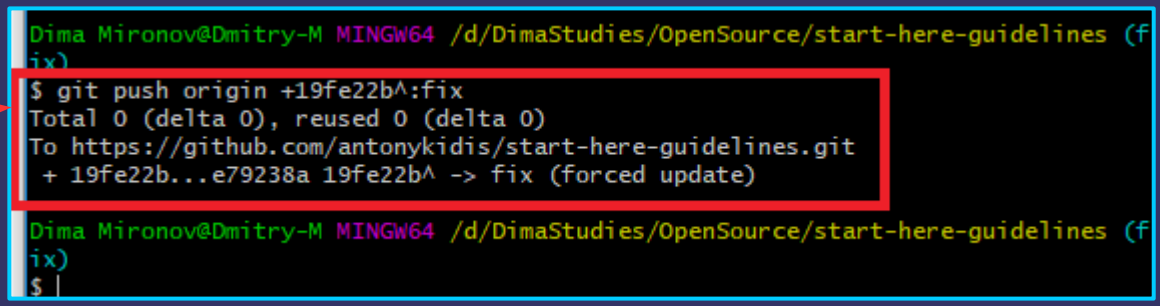
6. You will get the following output
7. Go back to commits (gitHub) and check if it's been deleted.
8. Repeat the previous steps again to delete another desired commints you want.

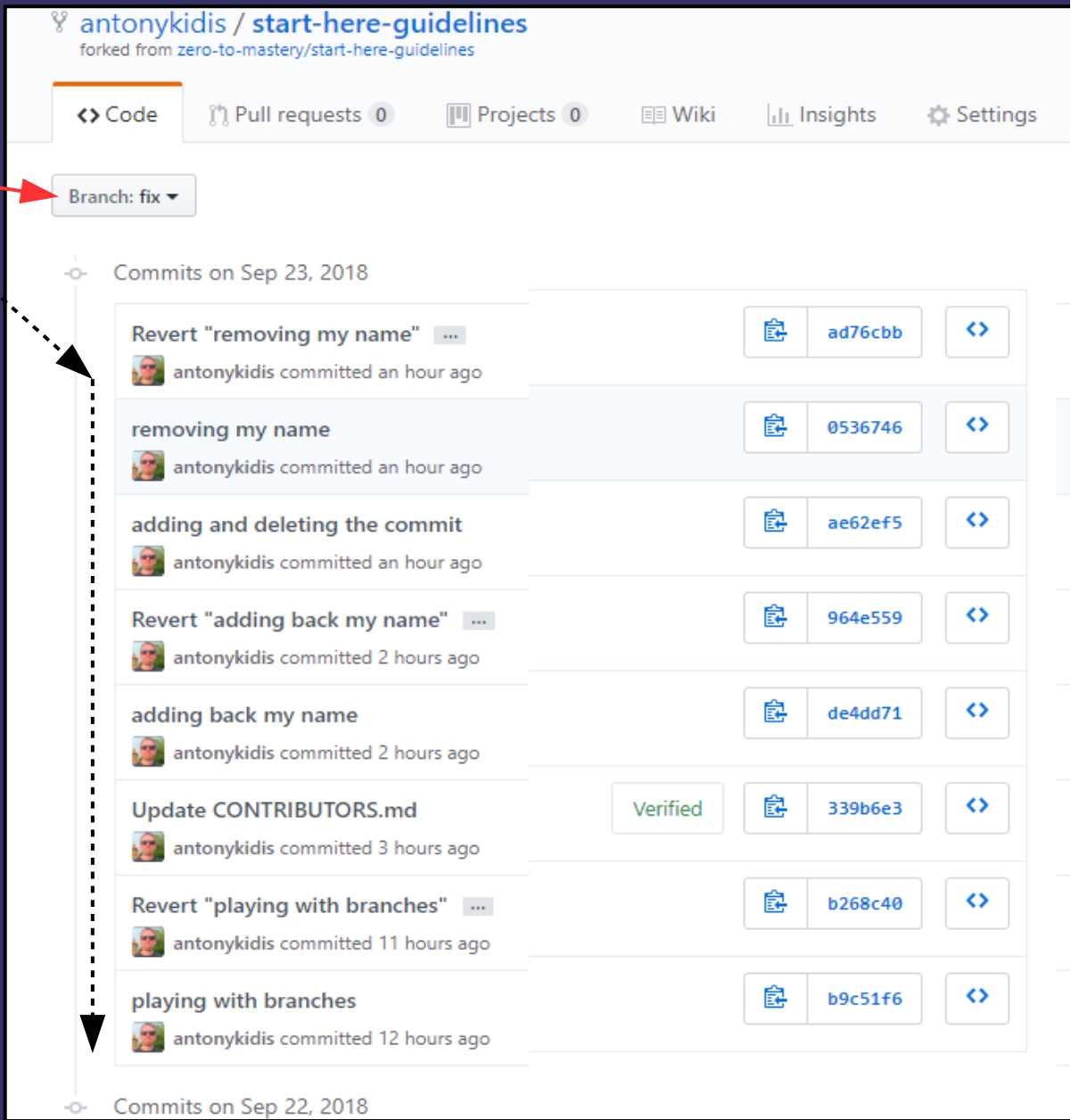
9. Once every commits is been removed, the pull request Notification will no longer appear on the GitHub website.

10. You can then delete a remote branch like this:
11. Type git push origin –delete fix
    In my case **fix** was the name of the branch

As you can see i've successfully deleted Commits and a remote branches.
We now left with only one commit, and one master branch on our forked repository.







Additional Information

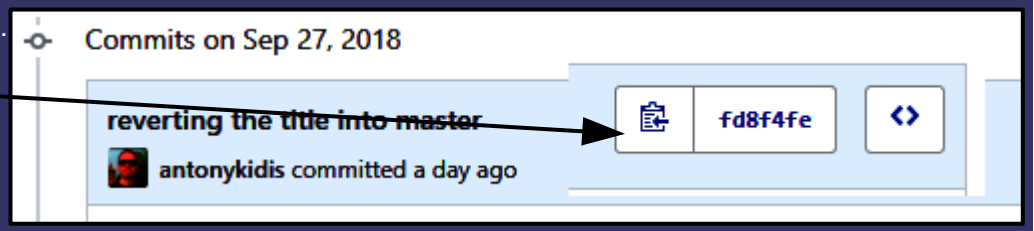
You could encounter with some unexpected things while working on the Git and GitHub section of the course.

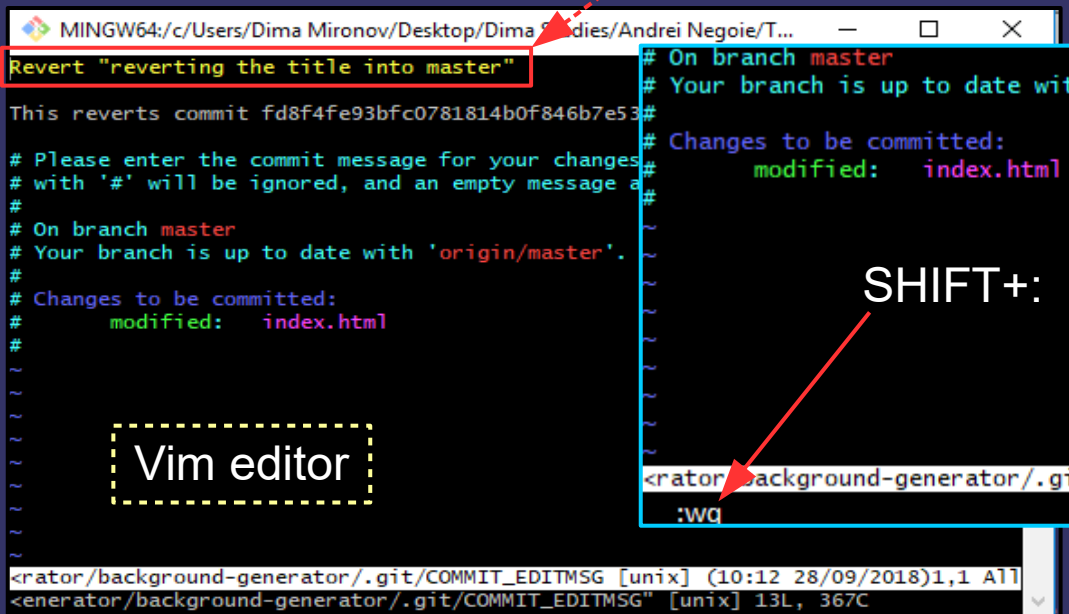
They are as follows:
1. What if we mistakenly entered a bad commit's message. How to fix that without pushing a whole new files into the GitHub again?
2. Your bash terminal showed a weird vim editor window (only for win. Users) How to use it?

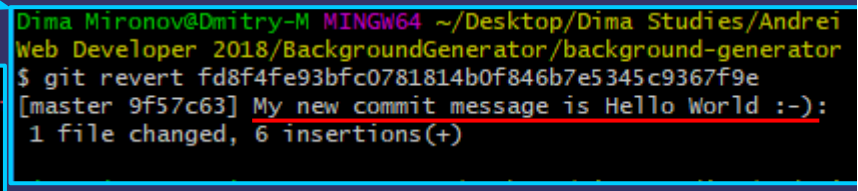
•

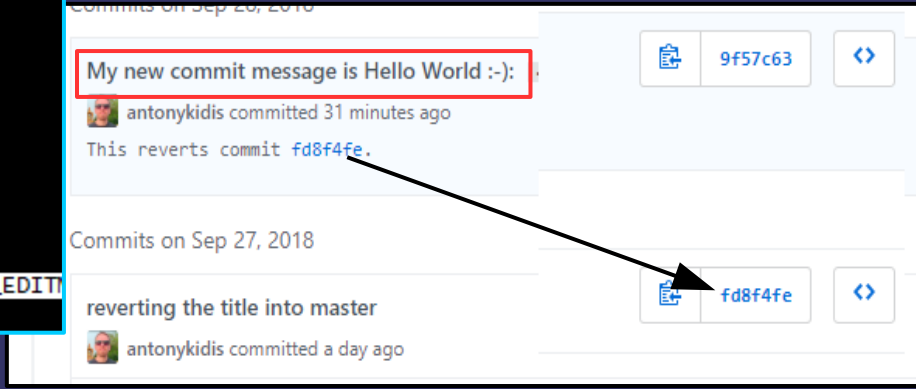
Solution: How to Edit a bad commit message.

1. Go to a forked repository, open commits link, and find a commit you want to fix.
2. Copy a commit's ID to a clipboard
3. Open terminal window.
4. Use this command. git revert fd8f4fe
5. hit ENTER.
6. The vim editor window will appear.
7. The yellow text will represent a commit message.
8. Hit **insert** button on your keyboard. This will allow you to manipulate a text.(use arrows to navigate)
9. Delete the yellow text, and write hello world (for example)
10. Push ESC button to exit the text editor mode.
10. Hold down SHIFT+ : this will bring you to the vim script mode(check the left bottom corner, you will put commands there)
11. Type wq (w= write) (q=quit saving changes) and hit ENTER
12. You will recieve the following output, with updated commit message
13. type git push to apply changes

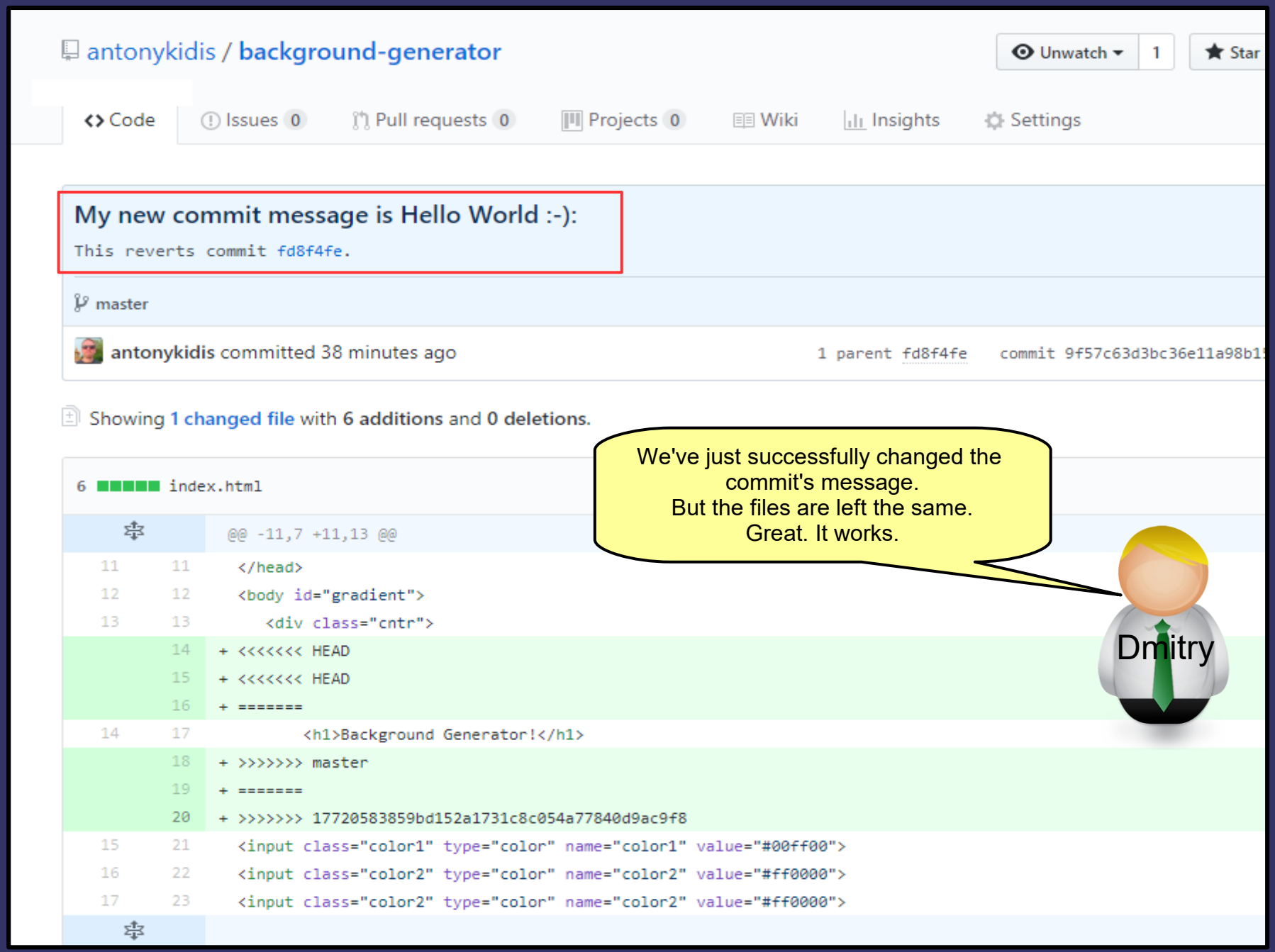






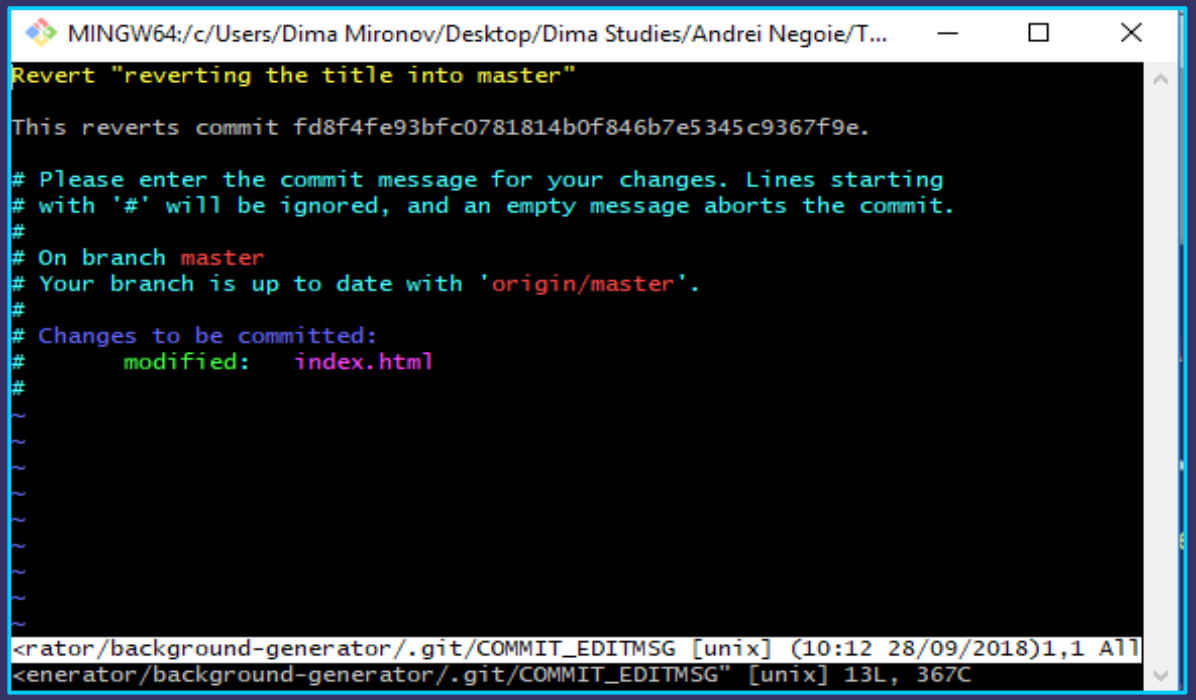


Step 14.Go back to GitHub and see the changes



A few things to keep in mind before we continue

- Sometimes you will merge a master branch to one of your other branches, just to keep things up to date.
- You will probably encounter this VIM editor window again and again, especially if you on windows.
- Take a few minutes to read a short Introduction to VIM (in the next section), to avoid unpredictable situations, and other questions you might encounter with.
- Usially gitbash will automatically open ~/.git/commit_EDITMSG file
- You can edit this file using notepad.
  But gitbash does it in a more intuitive way without exiting the shell (all in one solution)
- No need to learn VIM, simply learn the basic commands.



A short introduction to VIM

WHAT IS VIM?

A brief introduction

by: Tatiana Tylosky

WHAT IS VIM?

VIM is a text editor that lives inside the terminal. VIM allows for more efficient coding and workflow!

WHY VIM?

"Why use vim when I already use sublime?"

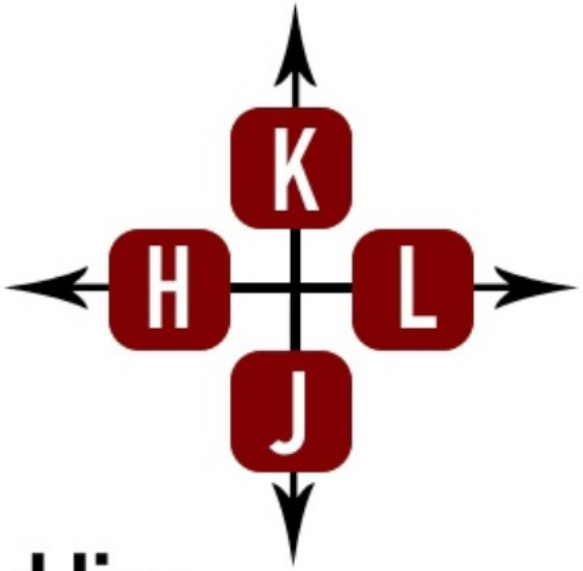
- To save time
  - Very efficient way of editing text
  - Vimscript is a programming language for text editing
- Extremely customizable for your particular work habits
- To be cool.

  :%s/cool/a total badass/g

VIM BASICS

Type “vim yourfilename” into your terminal
to open your file in vim

- Navigate text space in vim using hjkl



- Use the vim command line
  - “:” lets you enter the vim command line
    - “:q” quits vim
    - “:w” writes changes (aka saves file changes)

DON'T BE THIS GUY

If you learn nothing today, please at least learn that you can exit vim using ":q" or ":q!"

VIM MODES

vim has two modes and normal mode isn't "normal"

#1 Normal Mode - Enter via [ESC]

In this mode you have access to ENDLESS "vim commands" that are useful shortcuts for editing text

Some fun examples:

a – append, u – undo, dd – delete line

#2 Text edit mode – Enter via a, i, and more

Your keyboard acts likes you would expect

VIM COMMANDS

There are SO many vim commands that you will learn more and more new ones every day!

Here are JUST A FEW useful examples

- Action commands
  - 'a' for append
  - 'd' for delete
  - 'u' for undo
- Movement commands
  - '0' beginning of line
  - 'w' beginning of word
  - '$' end of line

But wait that is not all!

Commands have additional tricks that make them even better!

NORMAL MODE COMMANDS

Normal mode commands have a format so that they are easily repeatable over a specific range.

operator [number] motion

Where:

operator – is what to do, such as d for delete

[number] – is an optional count to repeat the motion

motion – moves over the text to operate on, such as w (word), $ (to the end of line), etc.

Ex. 1. “d2w” – deletes the next two words

Ex. 2. “vi(” – select inside parentheses

NEXT LEVEL VIMSCRIPT

Example: Mapping

Mapping keys lets you tell Vim:

"When I press this key, I want you to do this stuff instead of whatever you would normally do."

If you type

":map <space> u"

vim will now undo actions when you press the space bar

Things to do with the time you save using vim

- Code more
- Go hiking
- Go to brunch
- SO MUCH MORE!!

With vim the possibilities are ENDLESS!

VIM RESOURCES

- Type “vimtutor” into your terminal
- Play Vim Adventures

Http://vim-adventures.com

- Read

https://brigade.engineering/crap-wrong-mode-9021375c2826

http://learnvimscriptthehardway.stevelosh.com

WHAT CRITICS ARE SAYING!

"The power of Vim's text manipulation shortcuts coupled with its extensibility have made other editors feel inadequate." – some dude

"Yes, Tatiana, I use vim." – Saul Diez-Guerra

"Cool kids use vim:wq" – anonymous source


The End of part 3