Lesson 163 & 164

Working With The Local Config File

<https://www.canva.com/en_gb/login/?redirect=%2Fdesign%2FDAEV-h9bSG4%2FR6FyldDe8CO8Wfn8z92yRA%2Fview>

<https://git-scm.com/docs/git-config>

A yellow file with black text

Description automatically generated

A computer screen with yellow text

Description automatically generated

A blue screen with yellow text

Description automatically generated

A close-up of a white background

Description automatically generated

A screenshot of a computer program

Description automatically generated

The first 2 above is the remote that I get when cloned the project



A blue screen with yellow text

Description automatically generated

A screenshot of a computer

Description automatically generated

A blue screen with yellow text

Description automatically generated

A screen shot of a computer

Description automatically generated

A text on a white background

Description automatically generated

A computer screen shot of a code

Description automatically generated

I set the local branch to cyan

A blue screen with yellow text

Description automatically generated

A screenshot of a computer

Description automatically generated

A blue screen with yellow text

Description automatically generated

A close-up of a text

Description automatically generated

A screen shot of a computer

Description automatically generated

Changed the color of the diff which is differences btw one branch and another

Lesson 165

Inside Git: The Refs Directory

A red folder with text

Description automatically generated

A blue screen with yellow text

Description automatically generated

A blue screen with yellow text

Description automatically generated

A blue screen with yellow and blue text

Description automatically generated

A blue screen with yellow text

Description automatically generated

You will see this if you have atleast one commit and one branch.

A blue screen with yellow text

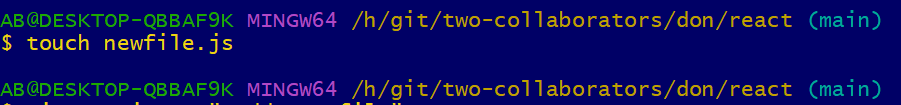
Description automatically generated

A screenshot of a computer

Description automatically generated

A diagram of a diagram

Description automatically generated



A computer screen shot of a program code

Description automatically generated

A screenshot of a computer

Description automatically generated

Once you commit it changes to the new commit head

A blue screen with yellow text

Description automatically generated

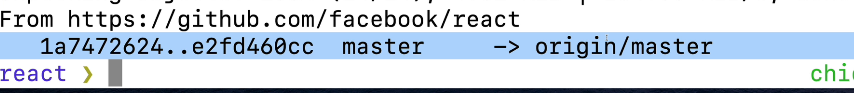
A screenshot of a computer

Description automatically generated

I also have a tag folder

A screenshot of a computer

Description automatically generated



A screenshot of a computer

Description automatically generated

Lesson 166

Inside Git: The HEAD file

A screenshot of a phone

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A blue screen with yellow text

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Lesson 167

Inside Git: The Objects Directory

A cell phone with text

Description automatically generated

A computer screen shot of a blue screen

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

It store all the git history file. It store the snap shot

A person in a suit

Description automatically generated

Lesson 168

A crash Course On Hashing Functions

<https://linkgod.github.io/SHA-1/>

A diagram of a function

Description automatically generated

A close-up of a paper

Description automatically generated

A close-up of a paper

Description automatically generated

Lesson 169

Git As Key-Value On Hashing

A close-up of a card

Description automatically generated

A computer screen shot of a key

Description automatically generated

A diagram of a key

Description automatically generated

A diagram of a computer code

Description automatically generated with medium confidence

Lesson 170

Hashing With Git Hash-Object

<https://git-scm.com/docs/git-hash-object>

A black and white text on a white background

Description automatically generated

A close-up of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

Echo and hash the result using hash-object using –stdin

No matter how many times I hash it will always get the same hash number

A computer screen shot of text

Description automatically generated

A blue screen with yellow text

Description automatically generated

I will open the .git directory

A screenshot of a computer

Description automatically generated

A blue screen with text

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A blue screen with yellow and purple text

Description automatically generated

A screenshot of a computer

Description automatically generated

Object still does not have nothing.

A white and black text on a yellow background

Description automatically generated

Use more option -w meaning for write and store it

A blue screen with yellow and purple text

Description automatically generated

The hashing start with ce

A screenshot of a computer

Description automatically generated

The file will contain our data in my dig database.

A blue screen with yellow text

Description automatically generated

A screenshot of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

Lesson 171

Retrieving Data With Git Cat-File

https://git-scm.com/docs/git-cat-file

A close-up of a computer code

Description automatically generated

A computer screen shot of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A blue screen with yellow and purple text

Description automatically generated

A blue screen with yellow and red text

Description automatically generated

A screenshot of a computer code

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A blue screen with yellow and purple text

Description automatically generated

A screenshot of a computer

Description automatically generated

Now I want to get the information out

A computer screen shot of a blue screen

Description automatically generated

A blue screen with yellow and purple text

Description automatically generated

I will delete the content of the file now

A screenshot of a computer

Description automatically generated

A blue screen with yellow text

Description automatically generated

A screenshot of a computer

Description automatically generated

Restored back

A screenshot of a computer

Description automatically generated

Lesson 172

Deep Dive Into Git Objects: Blobs

A yellow file with black text

Description automatically generated

A yellow file folders with black text

Description automatically generated

A yellow file folders with numbers and letters

Description automatically generated

A close-up of a computer code

Description automatically generated

Blob is used to store the content of a file.

A screenshot of a computer

Description automatically generated

They have a blob hash not commit hash.

Lesson 173

Deep Dive Into Git Objects: Tree

A blue rectangular object with black text

Description automatically generated

Blob store the content of a file

If I have a file inside a folder, that is called a tree and it will point to a blob

A screenshot of a computer

Description automatically generated

A computer screen shot of a computer

Description automatically generated

A black and white text on a white background

Description automatically generated

A screenshot of a computer screen

Description automatically generated

485635968b158b436200c9864671b449d7eaeadc

A computer screen with text and numbers

Description automatically generated

You can see the content of the read me.

A computer screen shot of a blue screen

Description automatically generated

Tree represent a folder

Lesson 174

Deep Dive into Git Objects: Commits

A green and white rectangular sign with black text

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer screen shot of text

Description automatically generated

A screen shot of a computer screen

Description automatically generated

A computer screen shot of text

Description automatically generated

I will copy this hash

A computer screen shot of a blue screen

Description automatically generated

A screenshot of a computer code

Description automatically generated

Want to make 2nd commit

A blue screen with yellow and purple text

Description automatically generated

A computer screen shot of text

Description automatically generated

A computer screen with text and numbers

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

A computer screen shot of a computer

Description automatically generated