20/03/2024

Lesson 62 and 63

Introducing The Git Diff Command

<https://www.canva.com/en_gb/login/?redirect=%2Fdesign%2FDAEVUT6HslA%2FtbdbyITzamUidWfk-HcSug%2Fview>

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

A blue and orange arrow with black text

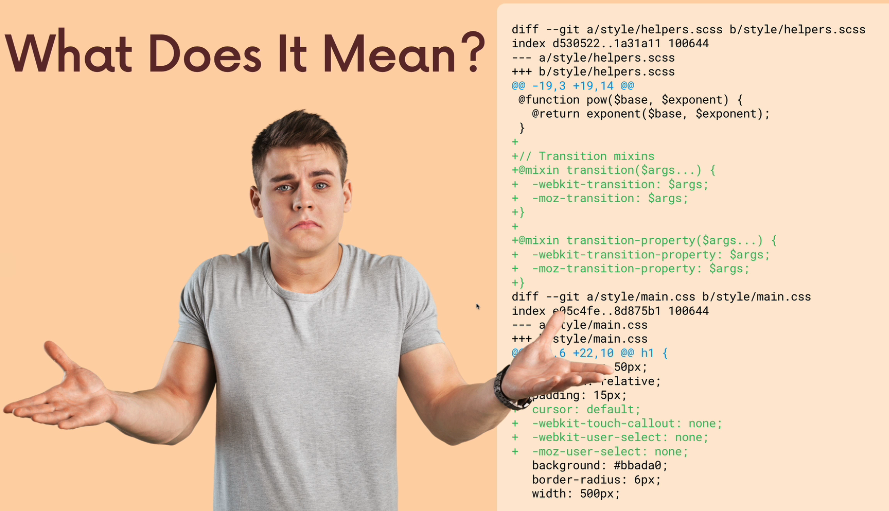
Description automatically generated

A black square with colorful lights and arrows

Description automatically generated

Lesson 64

A Guide To Reading Diffs



A close-up of a few words

Description automatically generated

Run the git diff command

A screenshot of a computer code

Description automatically generated

A screenshot of a computer program

Description automatically generated

This will compare the same file, It will compare the old version and new version of rainbow.

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 screenshot of a computer code

Description automatically generated

The black text means the content before and after, the red line was the one that was changed and the green is the one that were added. The file might be around 100lines but it will show us around the one that was changed.

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

Check below for explanation

A screenshot of a computer error

Description automatically generated

A screenshot of a computer program

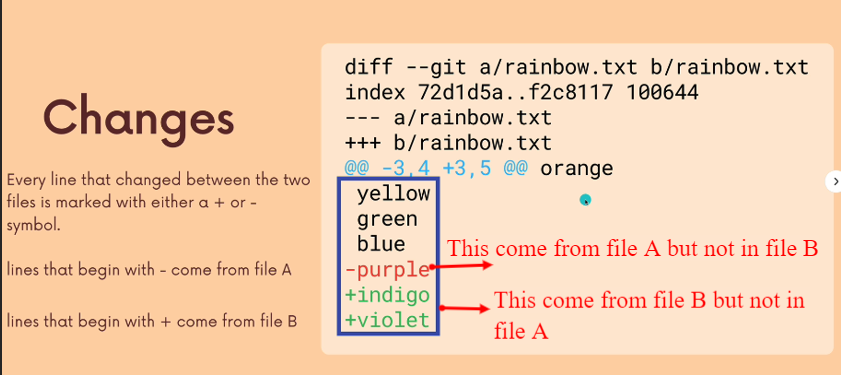
Description automatically generated

A screenshot of a file

Description automatically generated

A close-up of a diagram

Description automatically generated



A screenshot of a computer program

Description automatically generated

A screen shot of a computer

Description automatically generated

A close up of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

Lesson 64

Viewing Unstaged Changes

A black square with colorful lights and white text

Description automatically generated

A screenshot of a computer code

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 program

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 screenshot of a computer screen

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 program

Description automatically generated

A black square with colorful lights and white text

Description automatically generated

Time to use git diff.

A screen shot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screen shot of a computer program

Description automatically generated

A close-up of a screen

Description automatically generated

A screenshot of a computer program

Description automatically generated

Git diff will list all the changes in the working directory that are not stagged.

Lesson 66

Viewing Working Directory Changes

A black square with colorful dots and arrows

Description automatically generated

A screenshot of a computer program

Description automatically generated

Git diff will list all the changes in the working directory that are not stagged. And since your last commit

A screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

A screenshot of a computer program

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 screen shot of a computer screen

Description automatically generated

Not stagged yet

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

Because nothing is currently unstagged.

A screenshot of a computer

Description automatically generated

I added and I have not stagged

A computer screen shot of text

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

Lesson 67

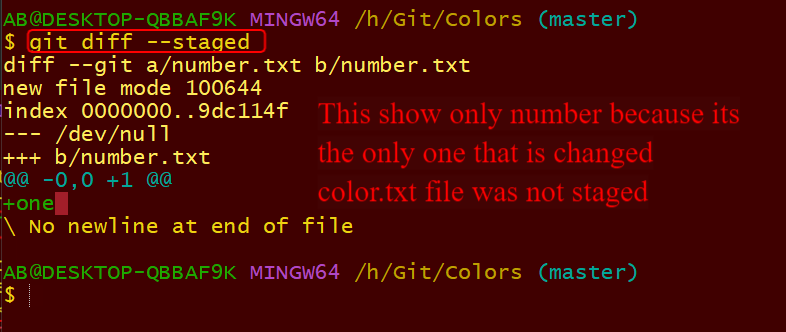
Viewing Staged Changes

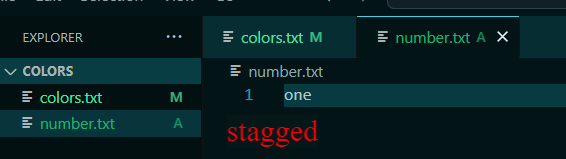
A black square with white text

Description automatically generated

A screenshot of a computer program

Description automatically generated





A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

A screenshot of a computer screen

Description automatically generated

Lesson 68

Diffing Specific Files.

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer

Description automatically generated

The will show all stage or unstage in this file since my last commit.

A computer screen with red text

Description automatically generated

Lesson 69

Comparing Changes Across Branches

A black square with colorful dots and arrows

Description automatically generated

A screenshot of a computer program

Description automatically generated

I commit from the previous video

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

Now I want to make new branch

A screenshot of a computer code

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 screenshot of a computer program

Description automatically generated

A screenshot of a computer code

Description automatically generated

I have masters and odd numbers

A black square with colorful dots and white text

Description automatically generated

A screenshot of a computer code

Description automatically generated

This is from master to old-numbers

Now I will compare from old -numbers to master.

A computer screen shot of a code

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 program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

Lesson 70

Comparing Changes Across Commits

A black square with red and yellow buttons

Description automatically generated

A screenshot of a computer program

Description automatically generated

3d97cef 2e86fd9

A screenshot of a computer program

Description automatically generated

Lesson 71

Visualizing Diff With Guis

A close-up of a text

Description automatically generated

I didn’t do the gitkraker.

Lesson 72

Diff Exercise

https://plum-poppy-0ea.notion.site/Git-Diff-Exercise-f7829bd2783940cea14239022a6c37a9

git clone <https://github.com/Colt/git-diff-exercise>

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

A screenshot of a computer program

Description automatically generated

21/03/2024

Exercise

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

A screen shot of a computer

Description automatically generated

A screenshot of a computer screen

Description automatically generated

A screen shot of a computer code

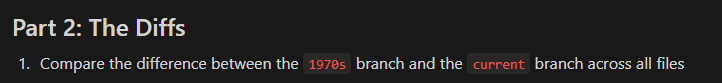
Description automatically generated

A black background with white text

Description automatically generated

A screenshot of a computer code

Description automatically generated



A screenshot of a computer program

Description automatically generated

A black background with white text

Description automatically generated

A screenshot of a computer program

Description automatically generated

A black background with white text

Description automatically generated

Several ways to do this

Example1

A screenshot of a computer

Description automatically generated

This above is the same as below. The above is new HEAD commit to his Parent HEAD~1

A screenshot of a computer program

Description automatically generated

Example 2

A screenshot of a computer

Description automatically generated

The above is parent compare to the chid

Example 3

A screenshot of a computer program

Description automatically generated

Copy the hash number and compare

A screenshot of a computer program

Description automatically generated

A screenshot of a phone

Description automatically generated

A screenshot of a computer

Description automatically generated

A close up of text

Description automatically generated

A black background with white text

Description automatically generated

A screenshot of a computer

Description automatically generated

A black background with white text

Description automatically generated

A screenshot of a computer

Description automatically generated

A black background with white text

Description automatically generated

A screenshot of a computer

Description automatically generated

A black screen with white text

Description automatically generated

A screenshot of a computer program

Description automatically generated