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Using git

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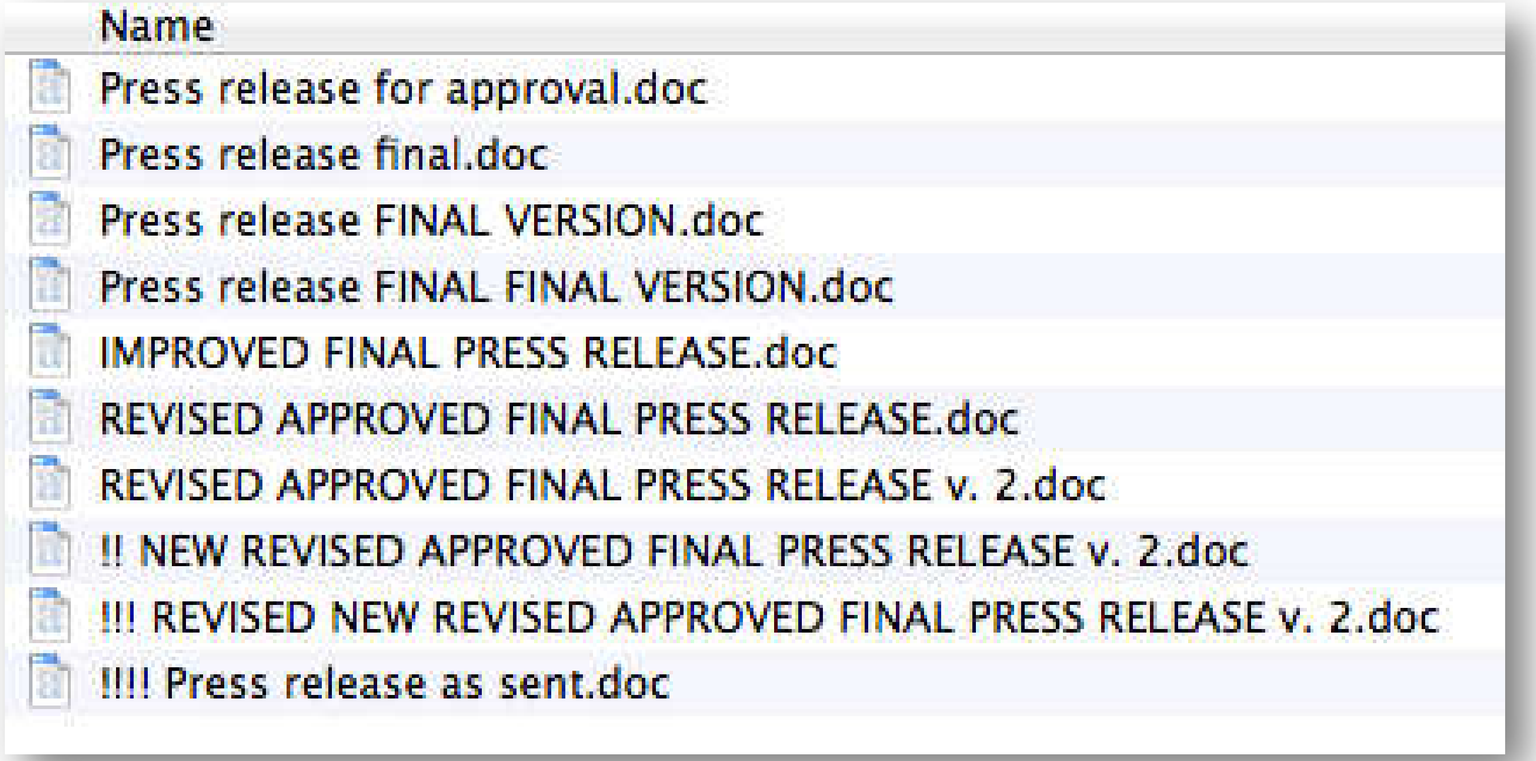
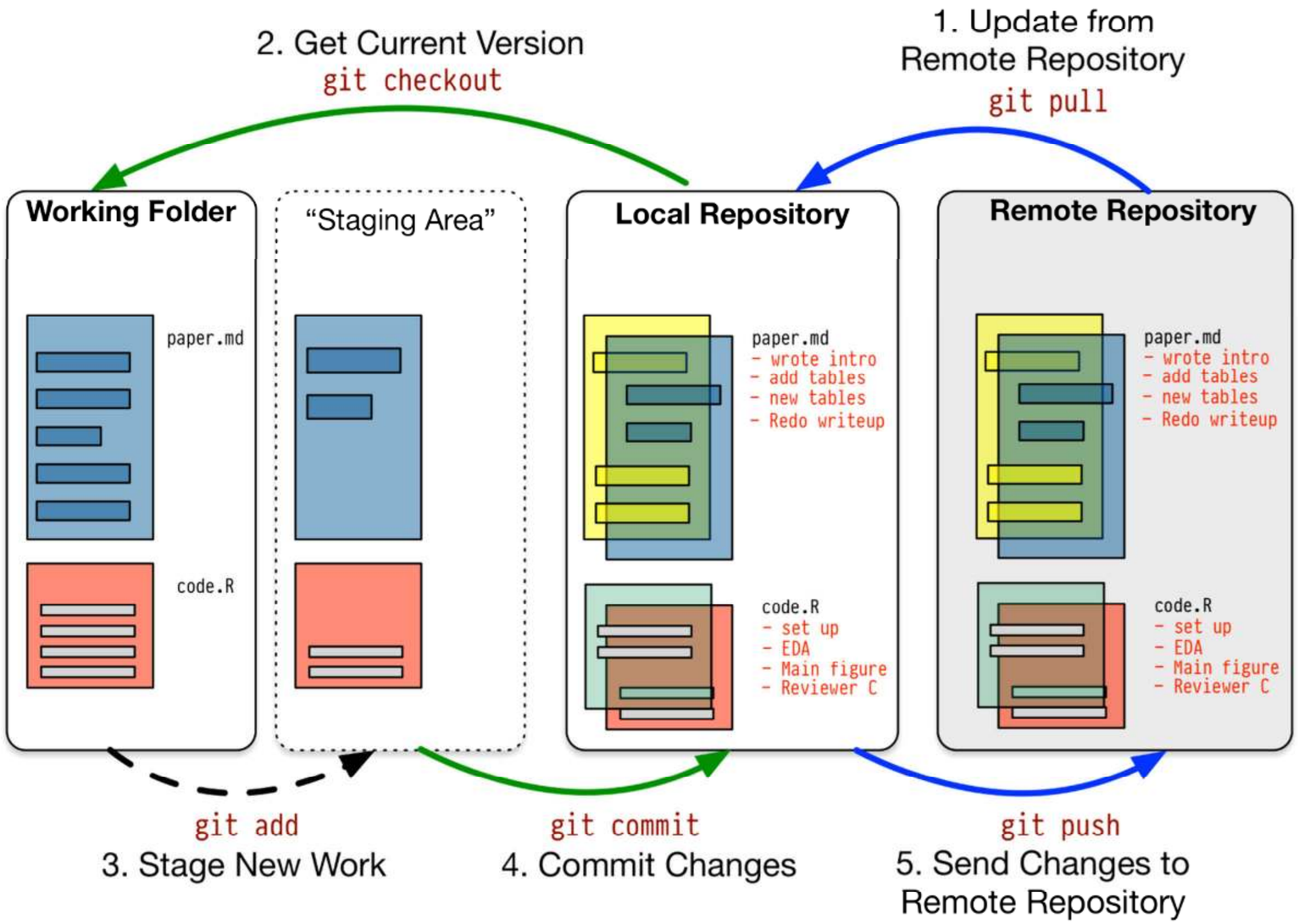
@TWlyY29

Looking familiar?



A schematic git workflow



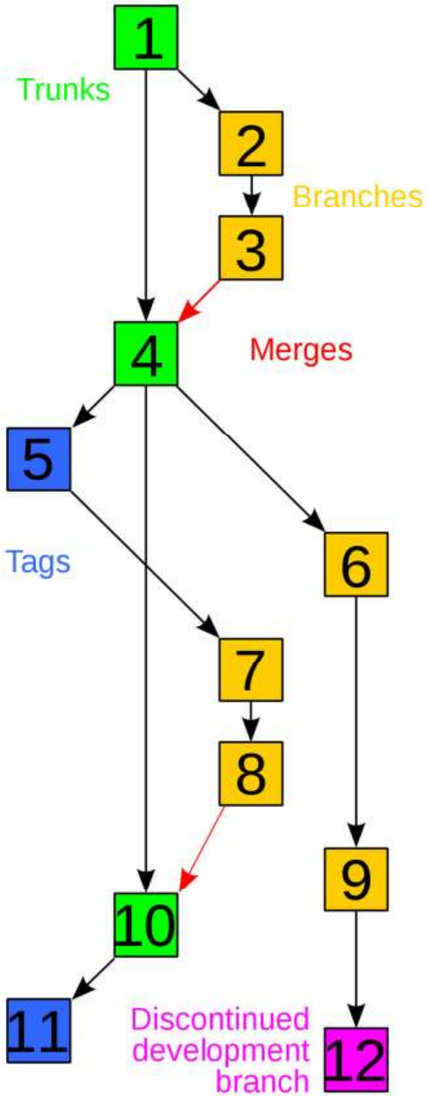
https://plain-text.co/keep-a-record.html

Trunks and Branches

Trunk
Unnamed branch of a file tree under revision control

Structure
The structure of the revisions is not a tree (although it is often referred to as the revision tree) but a directed acyclic graph.

Tag
A tag assigns a label to a revision (including many files) allowing to directly jump to that revision. Often used to label a specific version of a software.



Branching
Duplication of an object under version control. Objects can then be modified separately and in parallel so that they become different. These objects are called branches.

Merge
A fundamental operation that reconciles multiple changes made to a version-controlled collection of files. Necessary when files are modified on two independent branches. The result is a single collection of files that contains both sets of changes.

https://commons.wikimedia.org/wiki/File:Revision_controlled_project_visualization.svg

Let’s check (g)it out!

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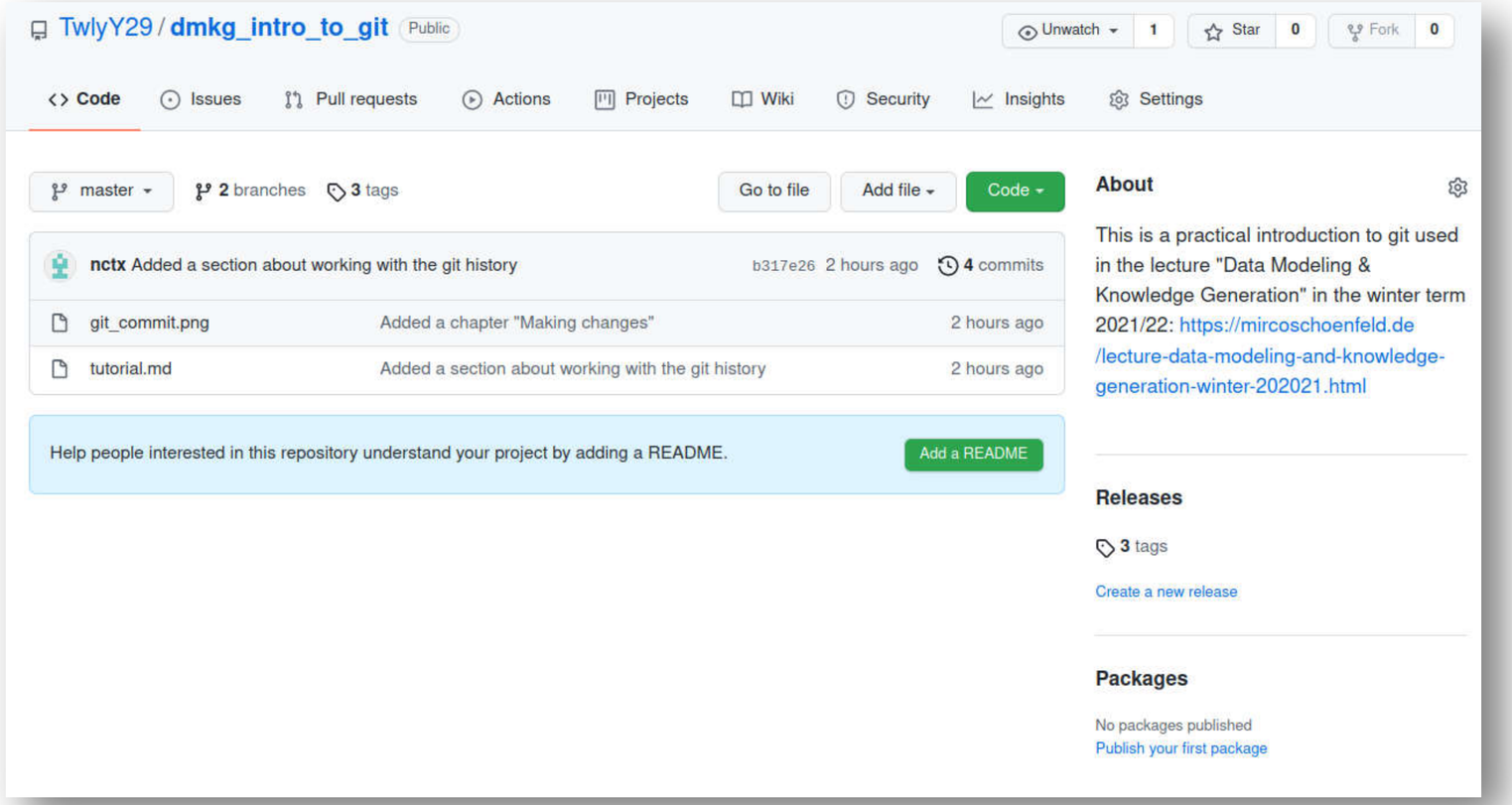
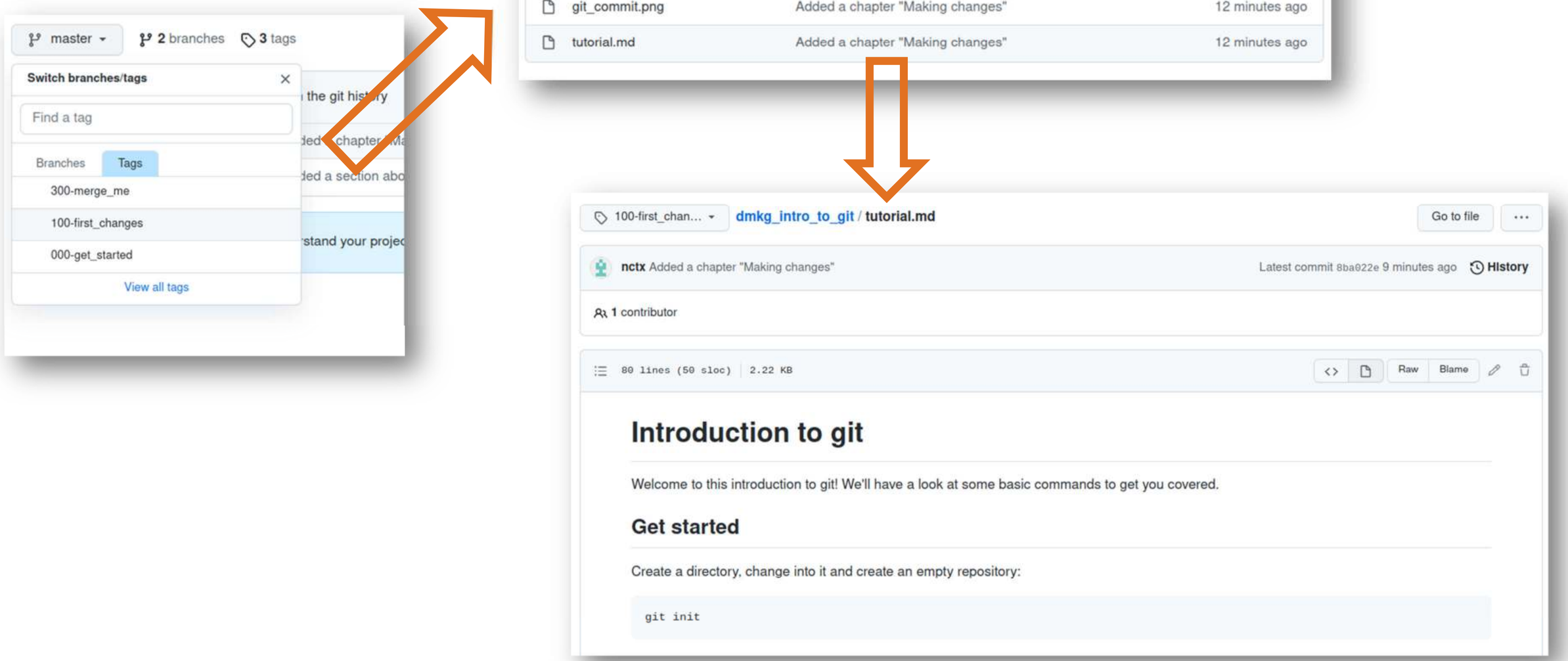
https://github.com/TwlyY29/dmkg_intro_to_git




master
2 branches
3 tags
Switch branches/tags
Find a tag
Branches
Tags
300-merge_me
100-first_changes
000-get_started
View all tags
100-first_chan...
2 branches
3 tags
Go to file
Code
nctx Added a chapter "Making changes"
8ba022e 12 minutes ago
2 commits
git_commit.png
Added a chapter "Making changes"
12 minutes ago
tutorial.md
Added a chapter "Making changes"
12 minutes ago
100-first_chan...
dmkg_intro_to_git / tutorial.md
Go to file
nctx Added a chapter "Making changes"
Latest commit 8ba022e 9 minutes ago
History
1 contributor
80 lines (50 sloc)
2.22 KB
Raw
Blame
Introduction to git
Welcome to this introduction to git! We'll have a look at some basic commands to get you covered.
Get started
Create a directory, change into it and create an empty repository:
git init

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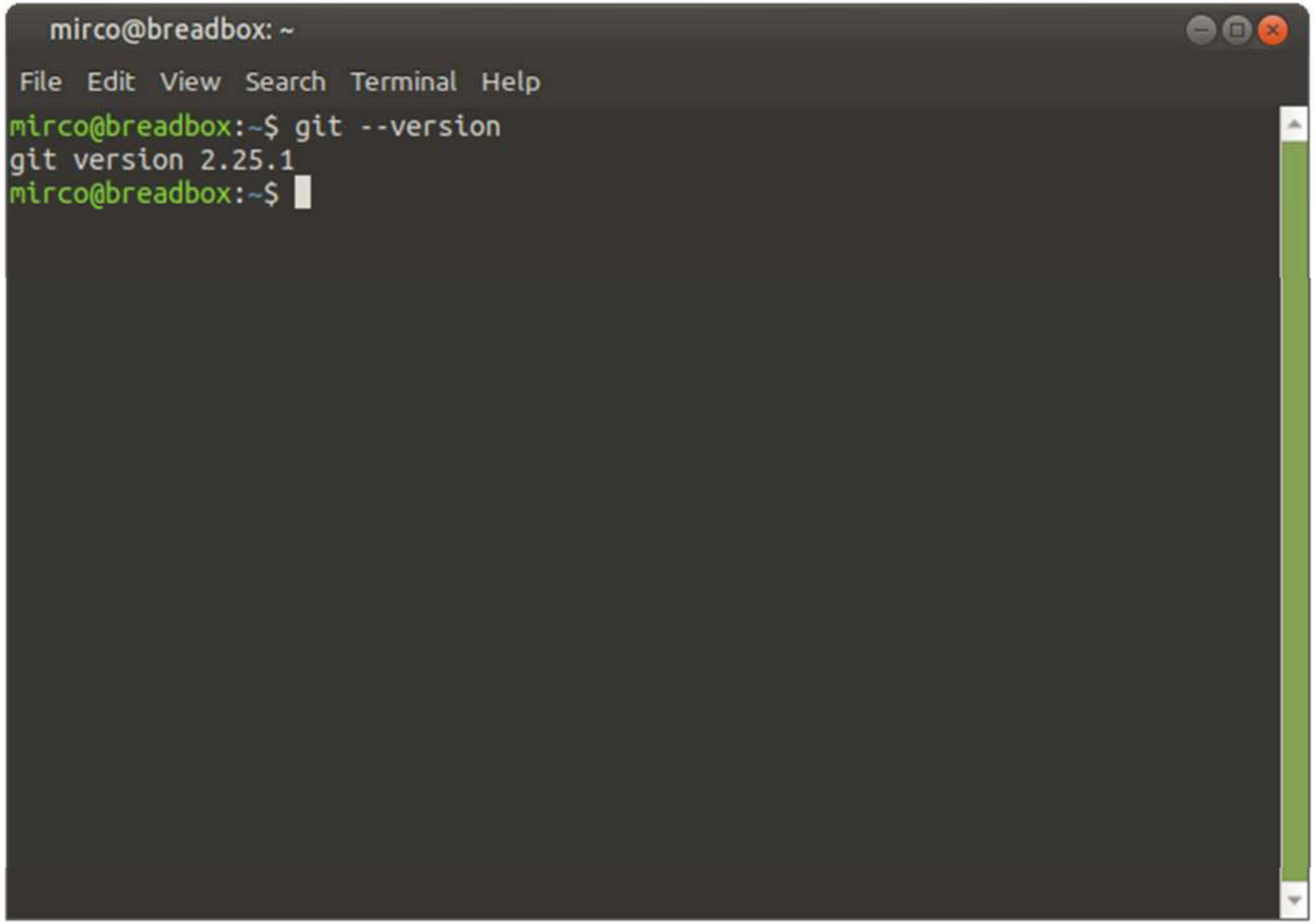

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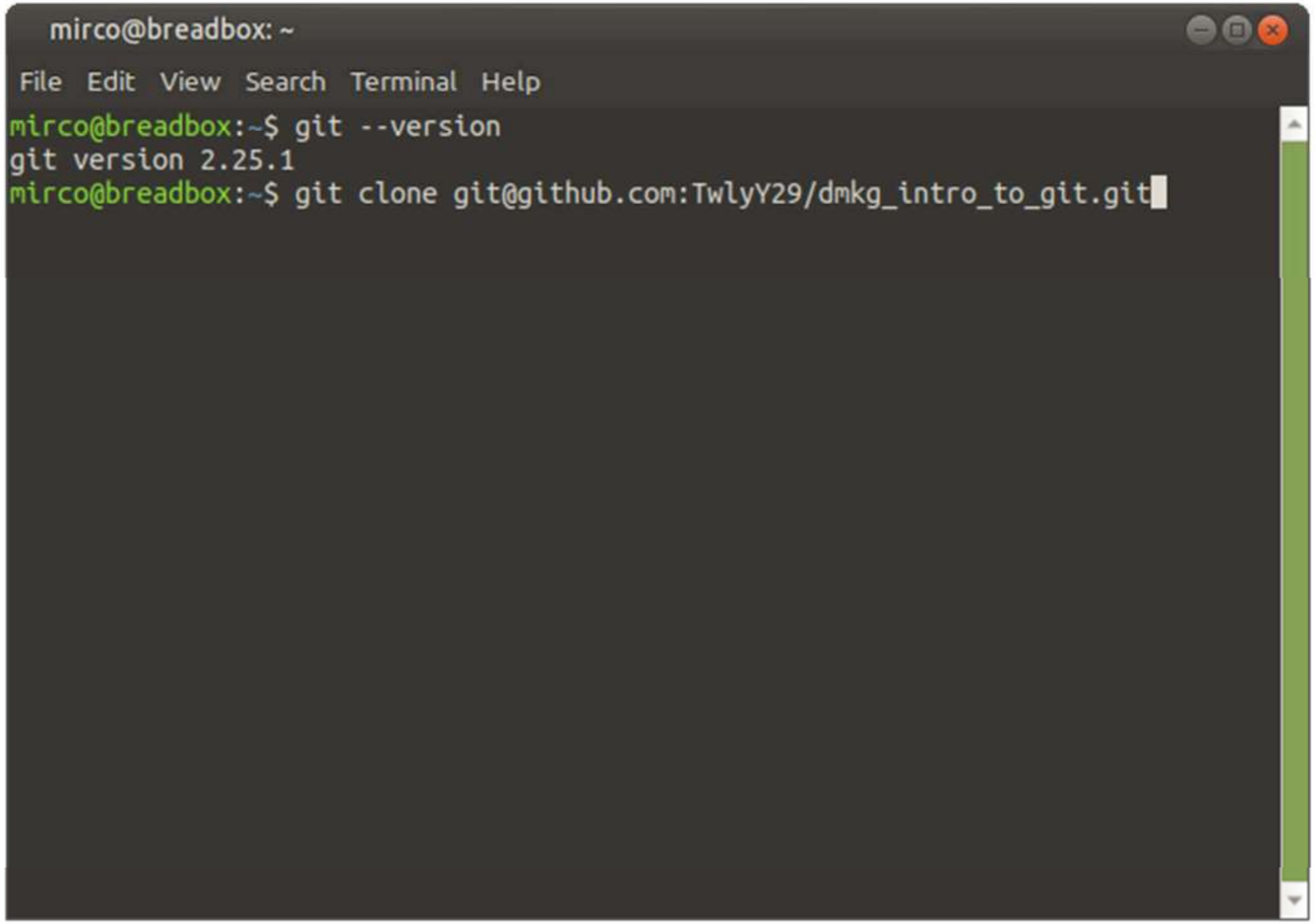

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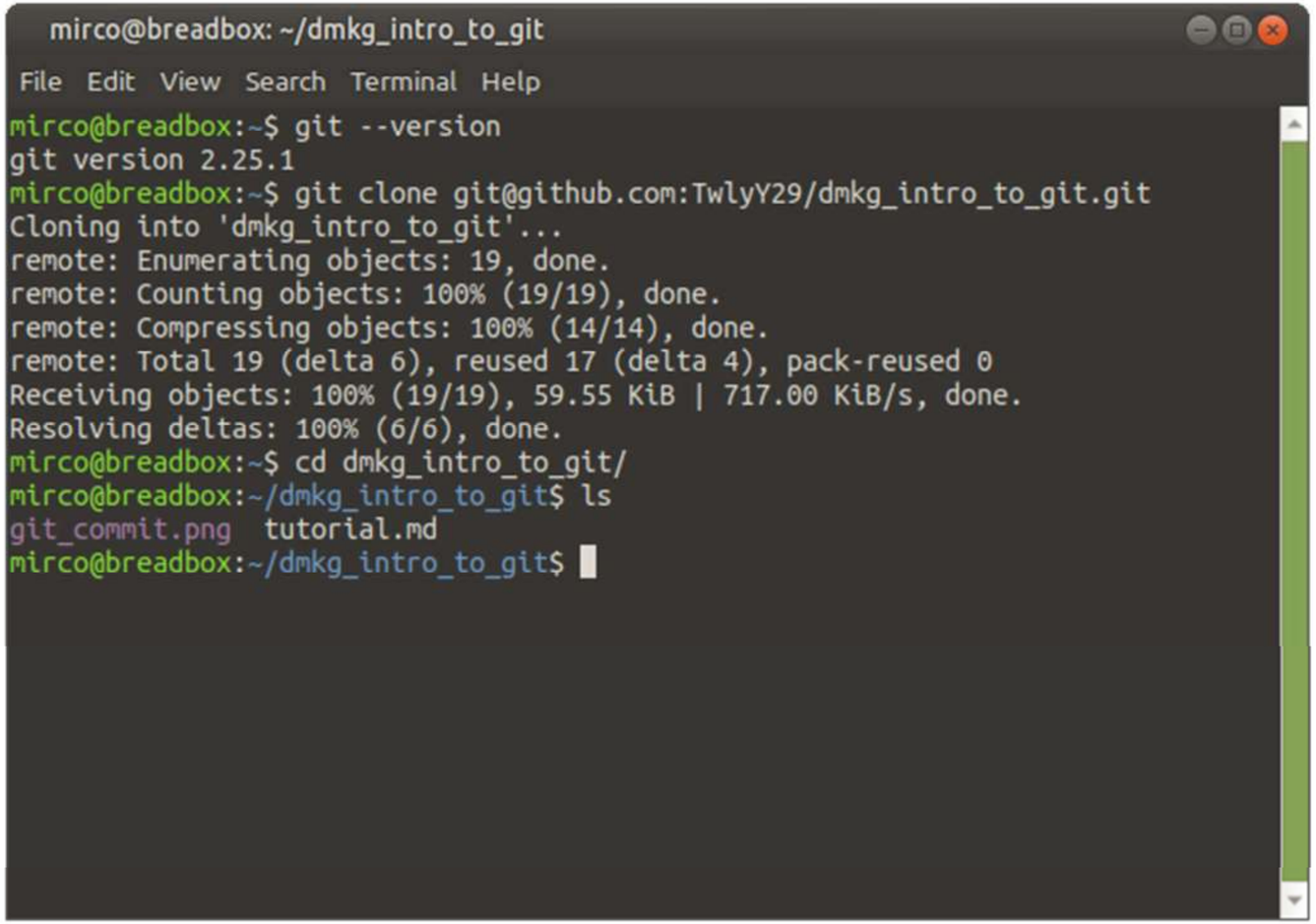

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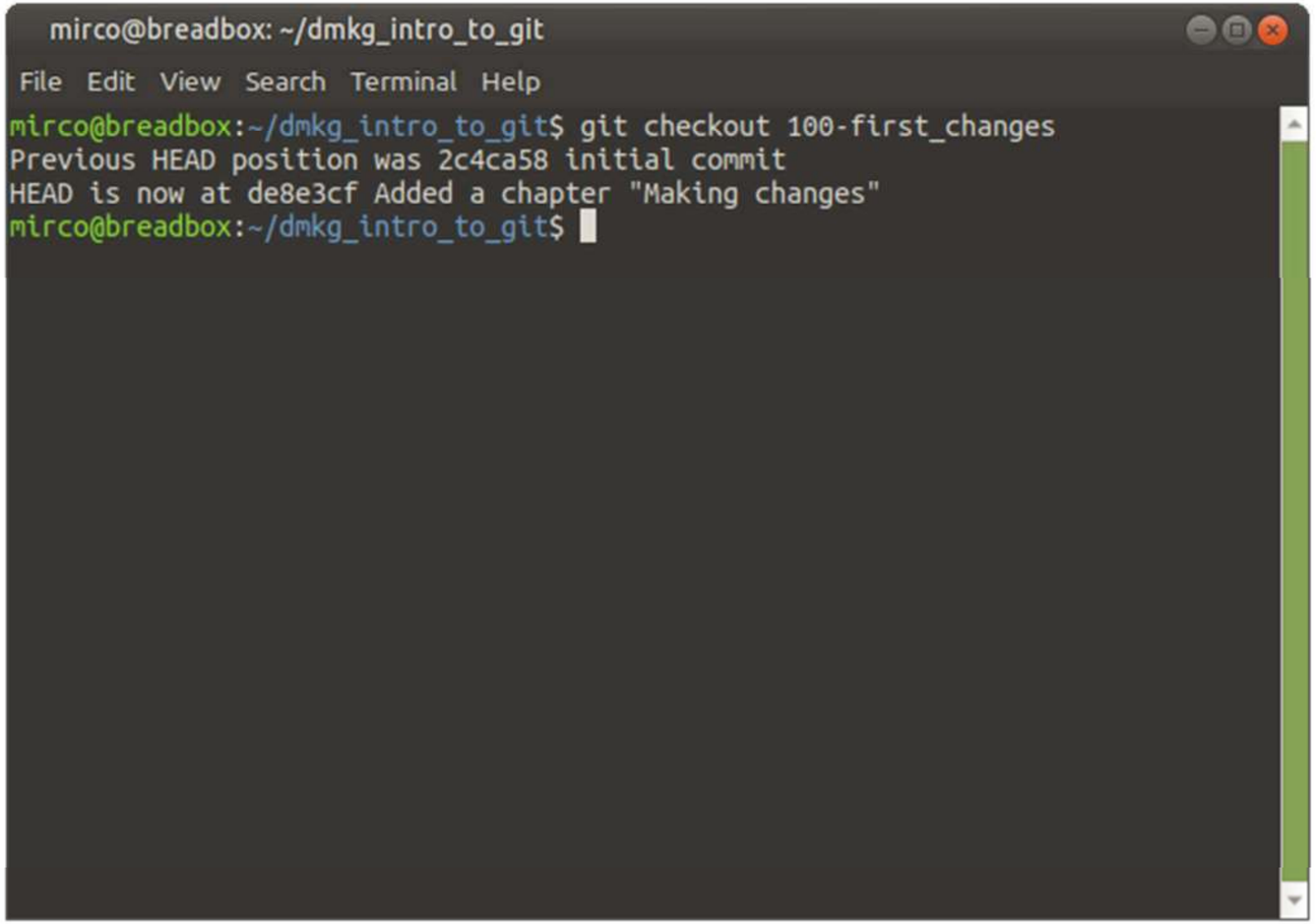

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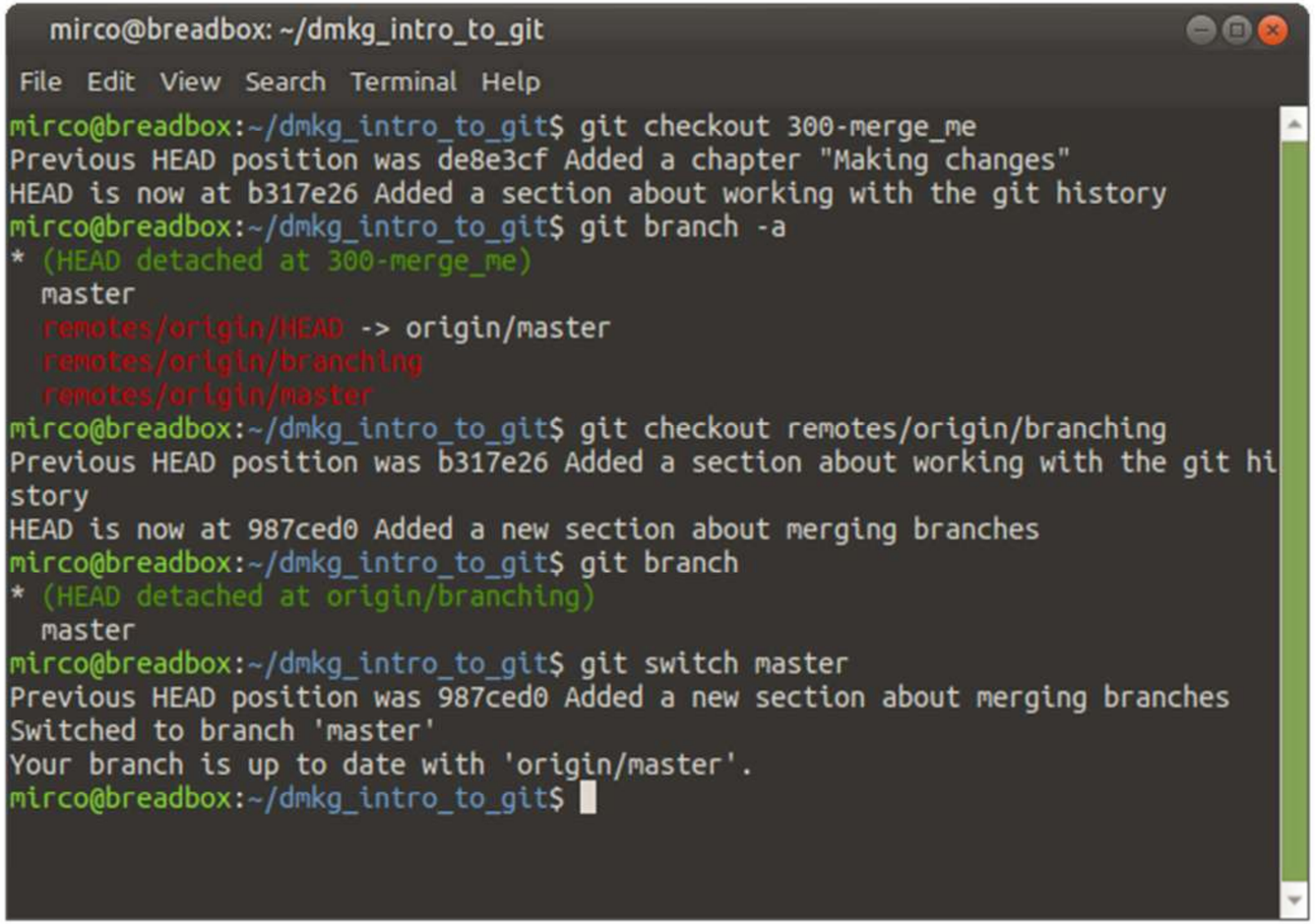

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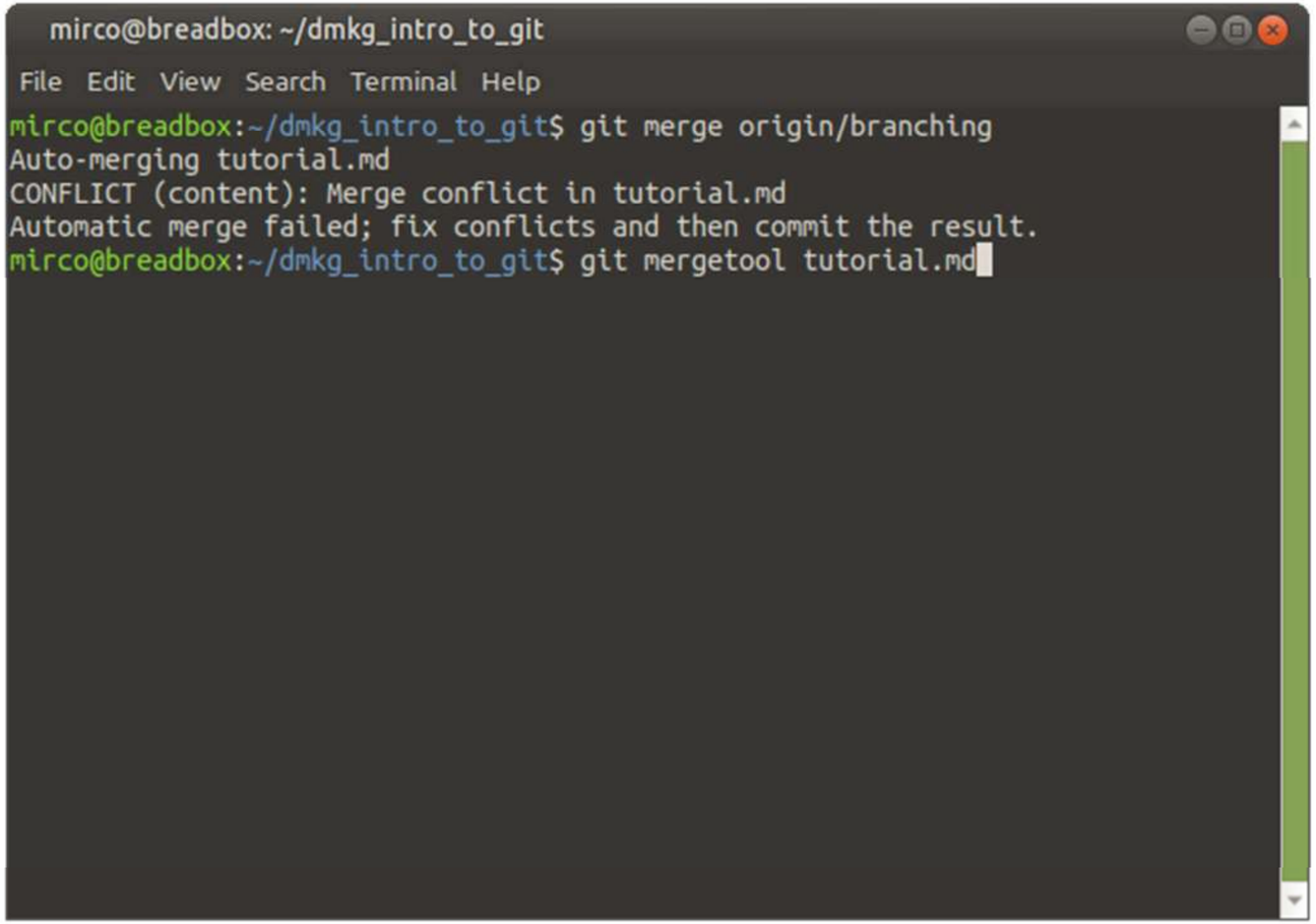

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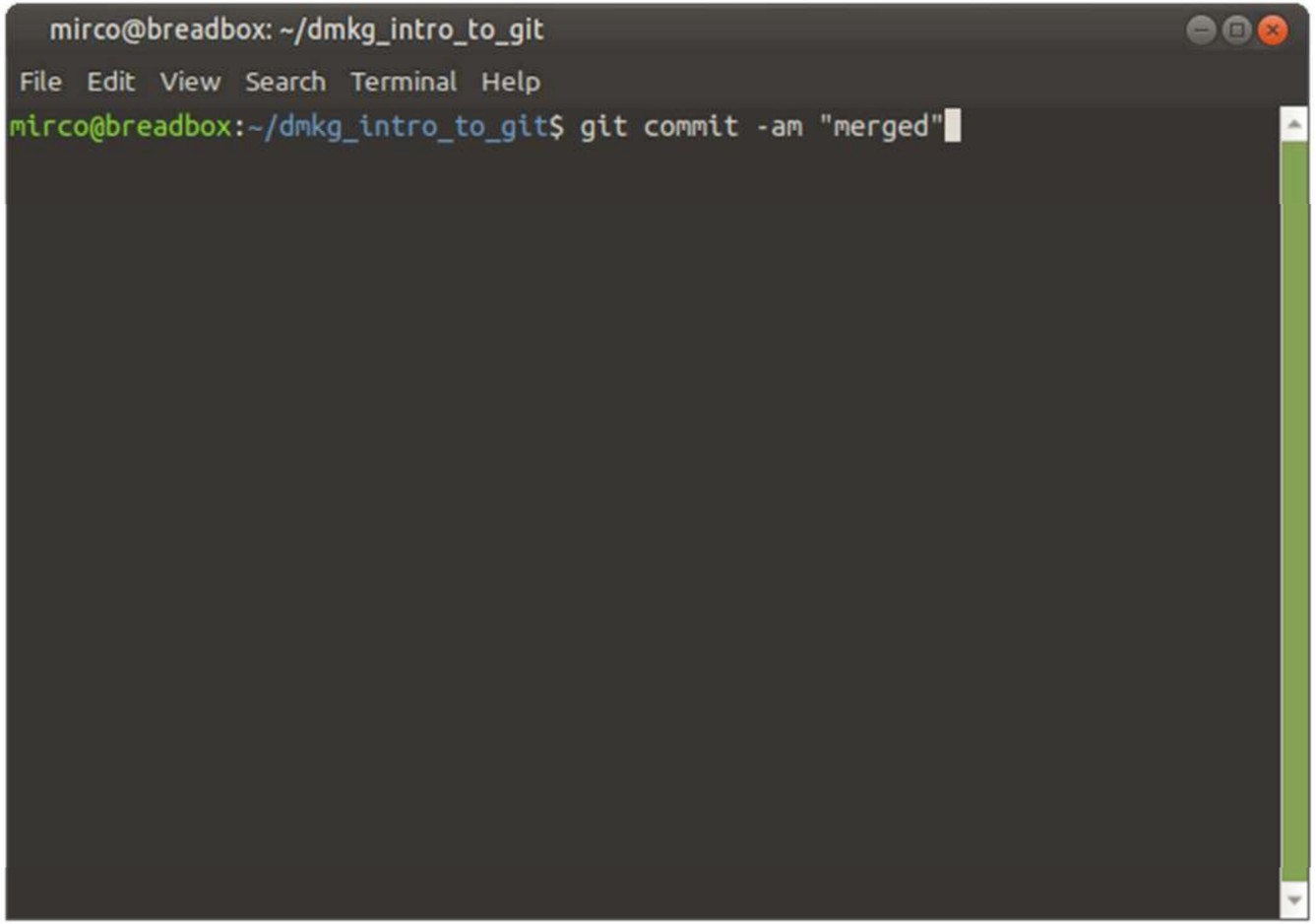

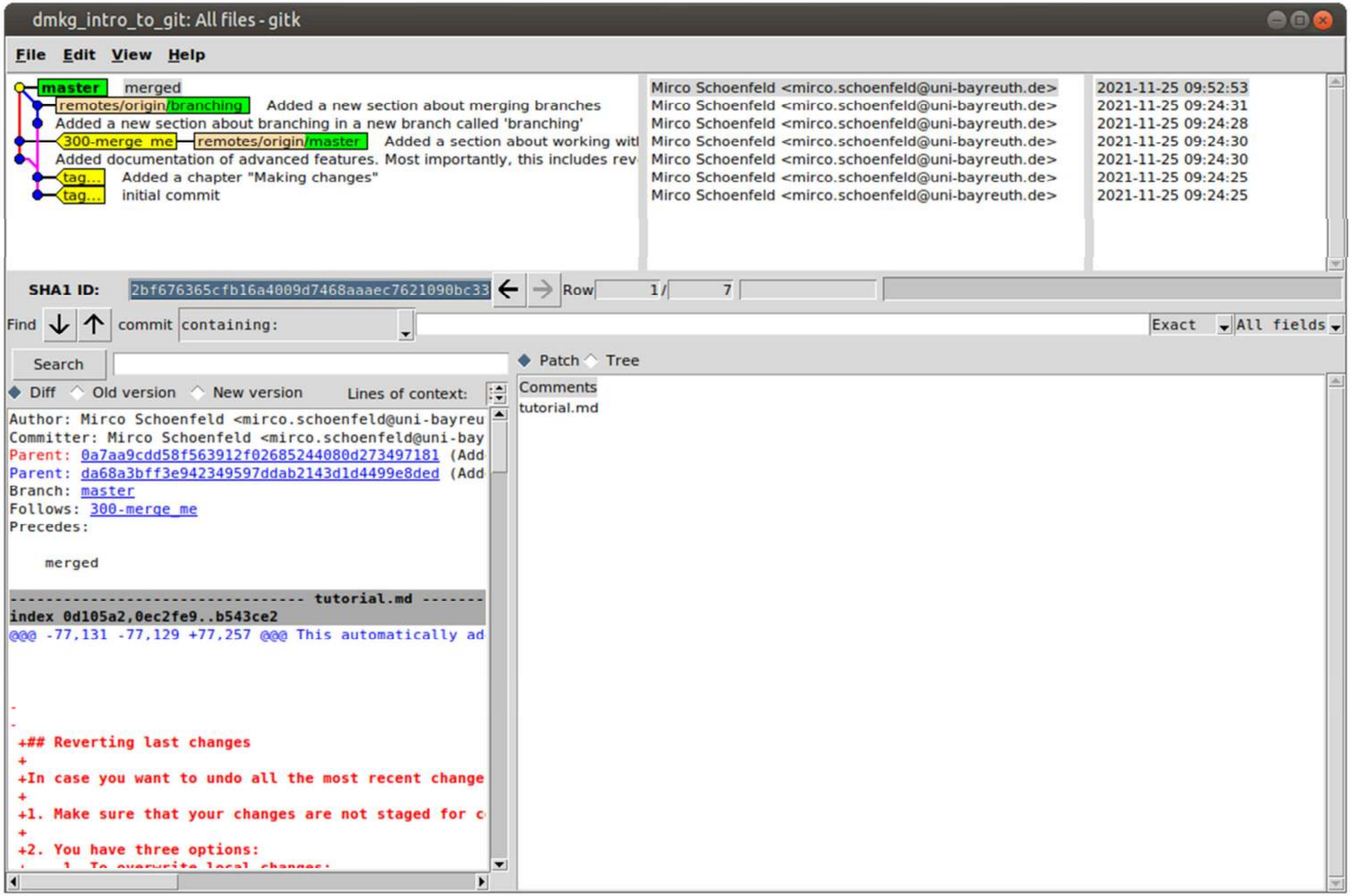
dmkg_intro_to_git: All files - gitk
File Edit View Help
master merged
remotes/origin/branching Added a new section about merging branches
Added a new section about branching in a new branch called 'branching'
300-merge_me remotes/origin/master Added a section about working with
Added documentation of advanced features. Most importantly, this includes rev
tag... Added a chapter "Making changes"
tag... initial commit
Mirco Schoenfeld <mirco.schoenfeld@uni-bayreuth.de> 2021-11-25 09:52:53
Mirco Schoenfeld <mirco.schoenfeld@uni-bayreuth.de> 2021-11-25 09:24:31
Mirco Schoenfeld <mirco.schoenfeld@uni-bayreuth.de> 2021-11-25 09:24:28
Mirco Schoenfeld <mirco.schoenfeld@uni-bayreuth.de> 2021-11-25 09:24:30
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Mirco Schoenfeld <mirco.schoenfeld@uni-bayreuth.de> 2021-11-25 09:24:25
Mirco Schoenfeld <mirco.schoenfeld@uni-bayreuth.de> 2021-11-25 09:24:25
SHA1 ID: 2bf676365cfb16a4009d7468aaaec7621090bc33 Row 1 / 7
Find commit containing: Exact All fields
Search
Diff Old version New version Lines of context:
Patch Tree
Comments
tutorial.md
Author: Mirco Schoenfeld <mirco.schoenfeld@uni-bayreu
Committer: Mirco Schoenfeld <mirco.schoenfeld@uni-bay
Parent: 0a7aa9cdd58f563912f02685244080d273497181 (Add
Parent: da68a3bff3e942349597ddab2143d1d4499e8ded (Add
Branch: master
Follows: 300-merge_me
Precedes:
merged
---------- tutorial.md -------
index 0d105a2,0ec2fe9..b543ce2
@@@ -77,131 -77,129 +77,257 @@@ This automatically ad
+## Reverting last changes
+In case you want to undo all the most recent change
+1. Make sure that your changes are not staged for c
+2. You have three options:

Thanks.

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