

# Collaborating using git

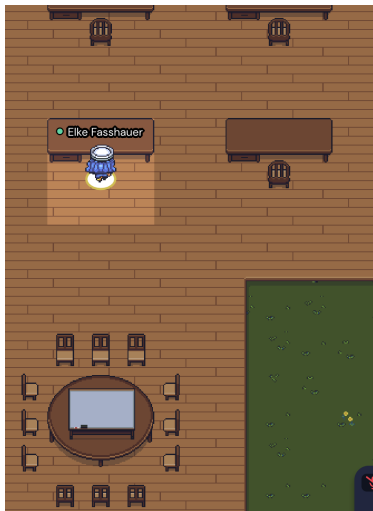
## Branches

Elke Fasshauer

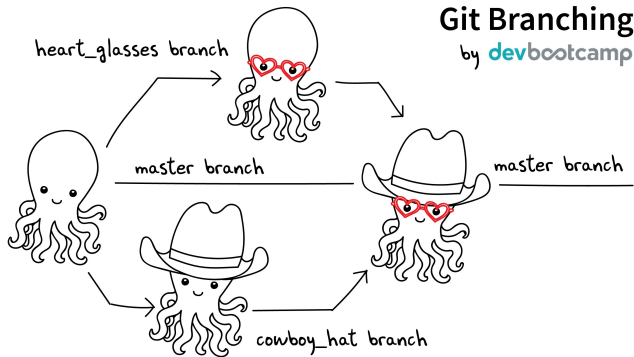
University of Tübingen

2nd November 2021

## Where to go for the exercise



# Motivation



Coderefinery: [https://twitter.com/jay\\_gee/status/703360688618536960](https://twitter.com/jay_gee/status/703360688618536960)

# Workflow: Where are we?

```
$ git branch
```

What our file looks like

```
Test
```

```
firrst line
```

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```
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```

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# Workflow: Where are we?

```
$ git branch
```

```
* main
```

What our file looks like

```
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```

```
firrst line
```

# Workflow: Where are we?

```
$ git branch
```

```
* main
```

## What our file looks like

```
Test
```

```
firrst line
```

# Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

Test

firrst line

second line



# Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

Test

firrst line

second line

# Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

Test

firrst line

second line

# Workflow: Creating branches

Let's do some more work

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$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

Test

firrst line

second line

# Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

main

\* new\_content

What our file looks like

Test

firrst line

second line

# Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

main

\* new\_content

What our file looks like

Test

firrst line

second line

# Workflow: Working with multiple branches

## Correct typo

```
$ git checkout main  
$ git branch typo main  
$ git checkout typo  
$ git branch
```

# Workflow: Working with multiple branches

## Correct typo

```
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# Workflow: Working with multiple branches

## Correct typo

```
$ git checkout main
$ git branch typo main
$ git checkout typo
$ git branch
main
new_content
* typo
```

# Workflow: Working with multiple branches

## Correct typo

```
$ git checkout main
$ git branch typo main
$ git checkout typo
$ git branch
main
new_content
* typo
```

## What our file looks like

Test

firrst line

# Workflow: Merging branches

```
$ git merge main  
$ git checkout main  
$ git merge typo  
$ git branch -d typo  
$ git branch
```

What our file looks like

Test

first line

# Workflow: Merging branches

```
$ git merge main  
$ git checkout main  
$ git merge typo  
$ git branch -d typo  
$ git branch
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What our file looks like

Test

first line

# Workflow: Merging branches

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# Workflow: Merging branches

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$ git merge main  
$ git checkout main  
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$ git branch
```

```
* main  
new_content
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What our file looks like

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# Workflow: Merging branches

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```
* main  
new_content
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## What our file looks like

Test

first line

# Workflow: Merging branches

```
$ git checkout new_content  
$ git merge main  
$ git checkout main  
$ git merge new_content
```

## What our file looks like

```
Test
```

```
first line
```

```
second line
```

# Workflow: Merging branches

```
$ git checkout new_content  
$ git merge main  
$ git checkout main  
$ git merge new_content
```

## What our file looks like

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first line

second line

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