

## [Tarea]Familiarización con Git

Curso: Programación Orientada a Objetos

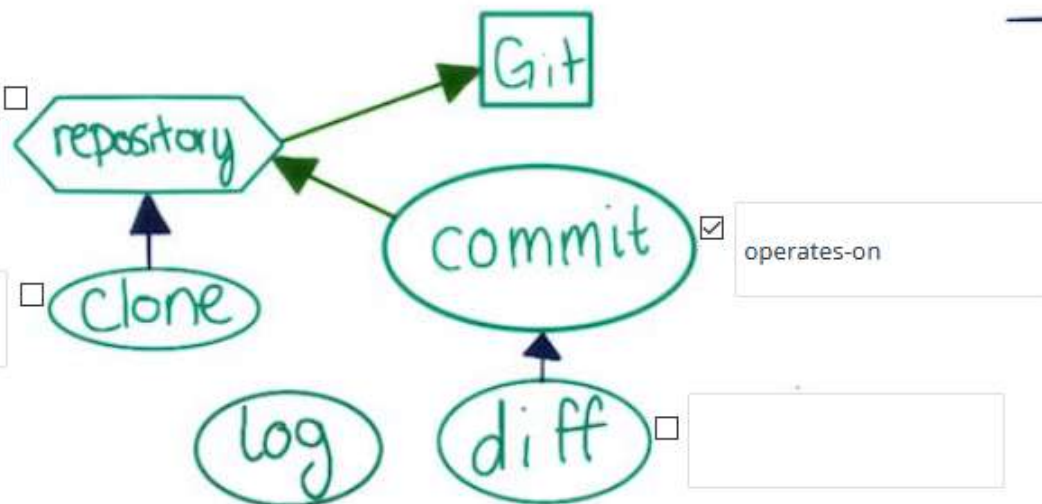
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Estudiante: Juan Sebastian Pinzon

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# Concept Map

- type-of
- part-of
- operates-on



## Original File

A

B

C

D

E

F

## Output of diff -u

---file.txt

+++updated.txt

B

+\$

C

-D

+#

+%

E

## Final File

A  
B  
\$  
C  
#  
%  
E  
F

## Git command review

For each action, type the name of the corresponding Git command.

- Compare two commits, printing each line that is present in one commit but not the other.

- Make a copy of an entire Git repository, including the history, onto your own computer.

- Temporarily reset all files in a repository to their state at the time of a specific commit.

- Show the commits made in a repository, starting with the most recent.

```
commit 7be5a12f1567866b0d77ccdf2055d1a33831da78
```

```
Date:   Fri Jul 11 12:56:26 2014 -0300
```

Add sound for the wing.

```
commit 06d72e1f95f046002ec46f41cf71957227111141
```

```
Date:   Wed Jul 9 23:42:55 2014 -0300
```

Add mute button.

```
commit 3d4d45b246aad6a1cd0afaf7cf7ae26966110727e
```

```
Date:   Mon Jul 7 17:35:47 2014 -0300
```

Fix leaderboard button

For this `git log` output, check all the commits you would expect to contain code for a mute button.

- ☒ commit `7be5a12f1567866b0d77ccdf2055d1a33831da78` (the top commit listed)
- ☒ commit `06d72e1f95f046002ec46f41cf71957227111141` (the middle commit listed)
- ☐ commit `3d4d45b246aad6a1cd0afaf7cf7ae26966110727e` (the bottom commit listed)

```
commit 7be5a12f1567866b0d77ccdf2055d1a33831da78
Date:   Fri Jul 11 12:56:26 2014 -0300
```

Add sound for the wing.

```
commit 06d72e1f95f046002ec46f41cf71957227111141
Date:   Wed Jul 9 23:42:55 2014 -0300
```

Add mute button.

```
commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e
Date:   Mon Jul 7 17:35:47 2014 -0300
```

Fix leaderboard button

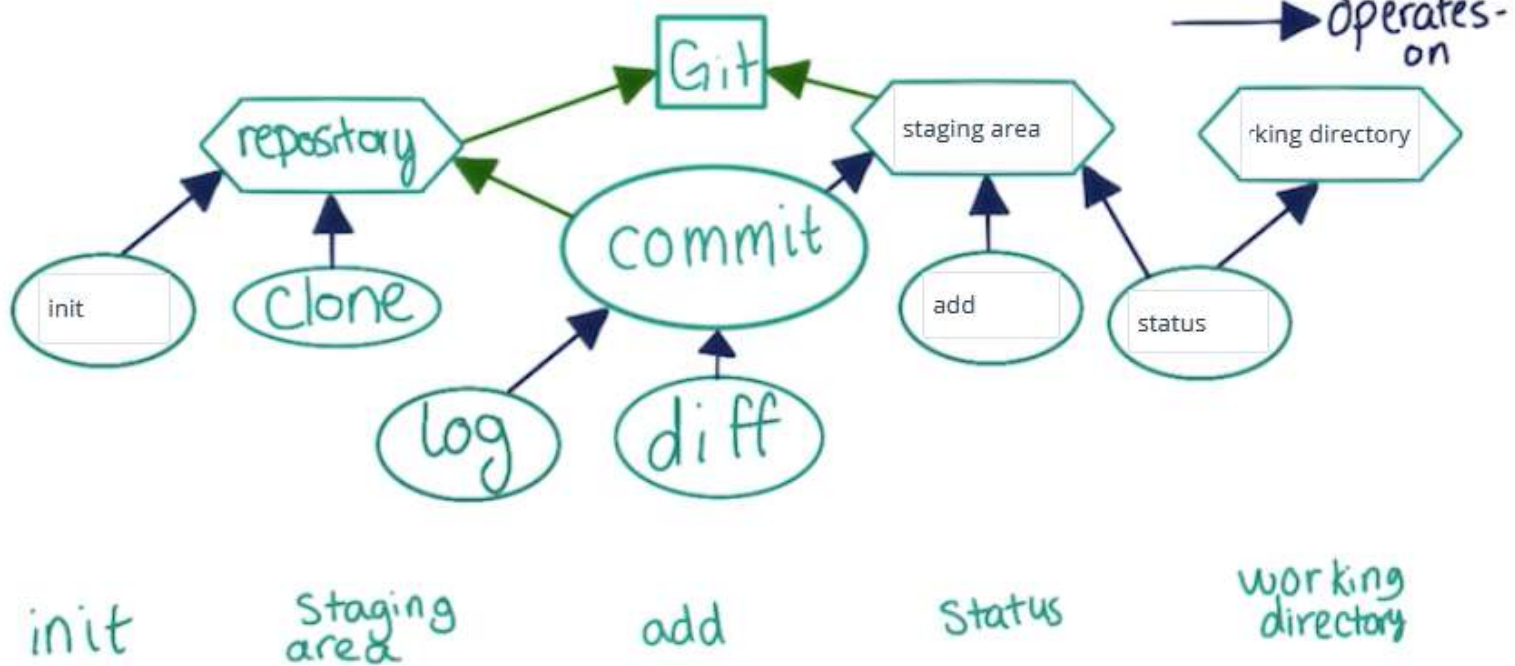
Select the command for which the mute button code lines would be shown as additions.

- ☐ `git diff 7be5a1 06d72e`
- ☐ `git diff 06d72e 7be5a1`
- ☐ `git diff 06d72e 3d4d45`
- ☒ `git diff 3d4d45 06d72e`

Select when each statement would be true.

	Never true	Sometimes true	Always true
Checking out an earlier commit will change the state of at least one file.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Checking out an earlier commit will change the state of more than one file.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Checking out an earlier commit will change the state of every file in the repository.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
After checking out a commit, the state of all the files in the repository will be from the same point in time.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

# Concept Map





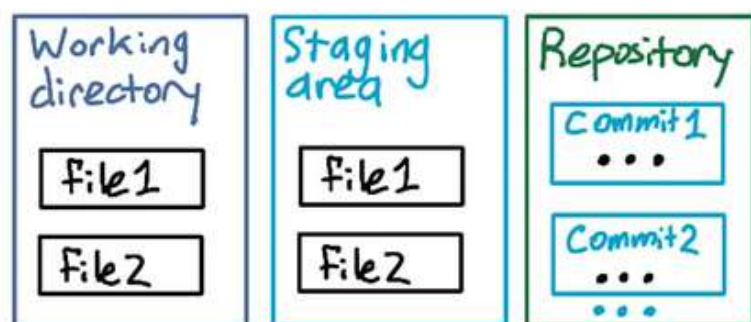
What two versions does each form of git diff compare?

Choices: working directory  
staging area  
commit 1  
commit 2

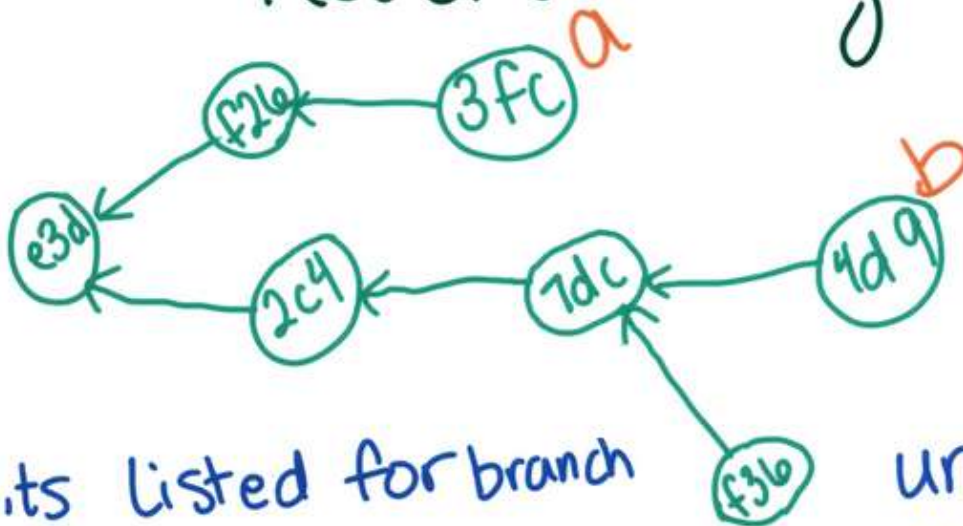
git diff

git diff --staged

git diff commit1 commit2



# Reachability



commits listed for branch

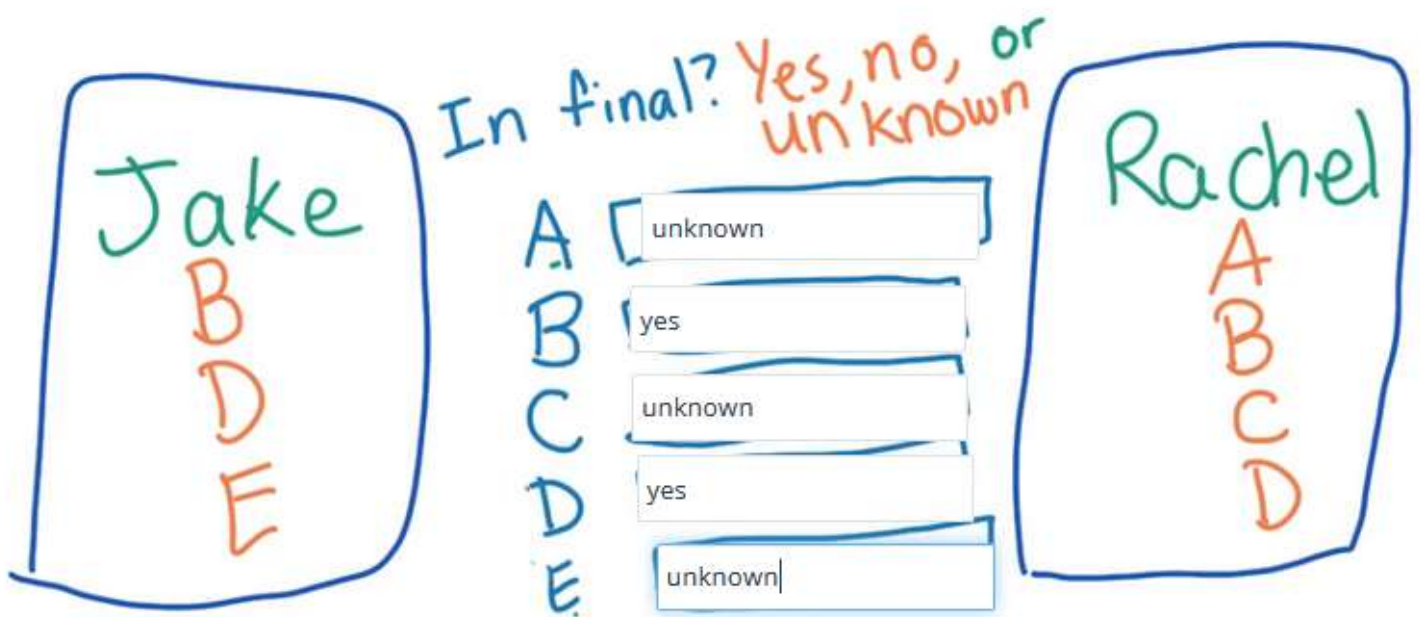
a: [3fc, f26, e3d]

b: [4d9, 7dc, 2c4, e3d]

unreachable  
commits:

[f36]

# Merging files



# Merging files

Original: A  
B  
D

In final? Yes, no, or unknown

Jake

B  
D  
E

A  
B  
C  
D  
E

no

Yes

yes

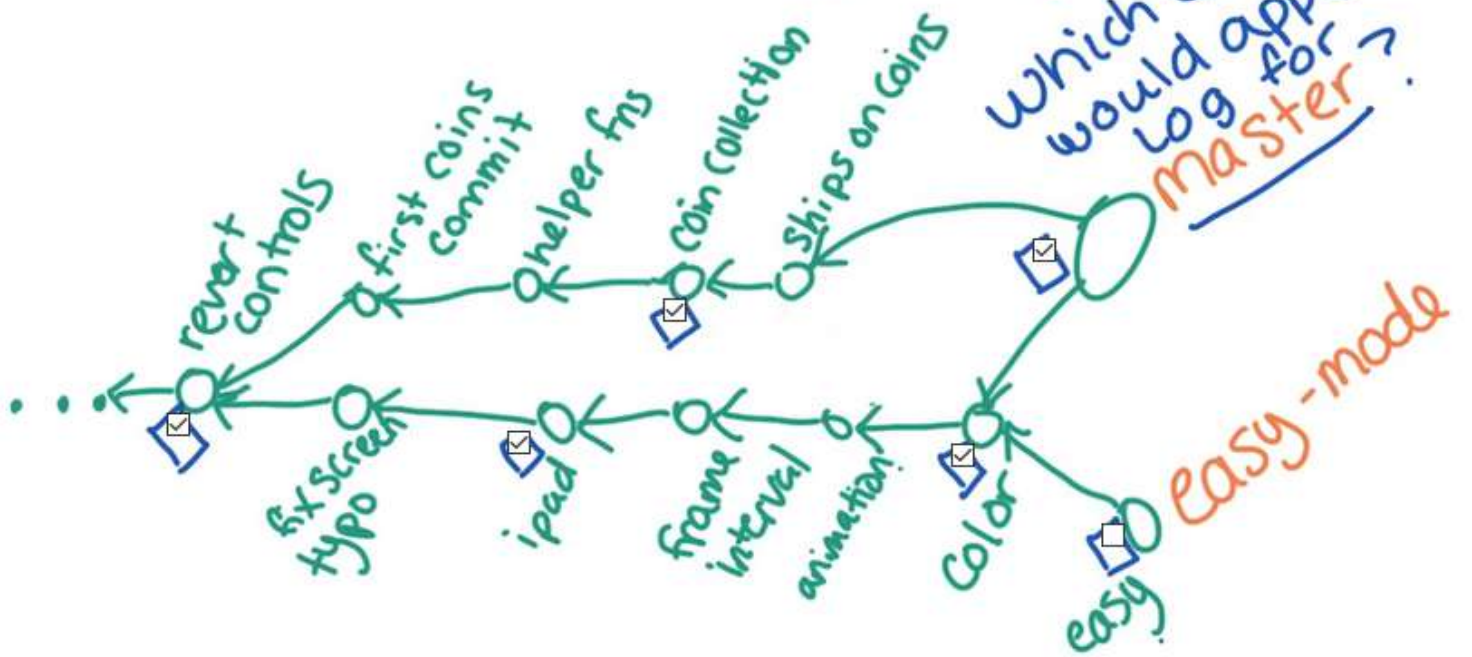
Yes

yes

Rachel

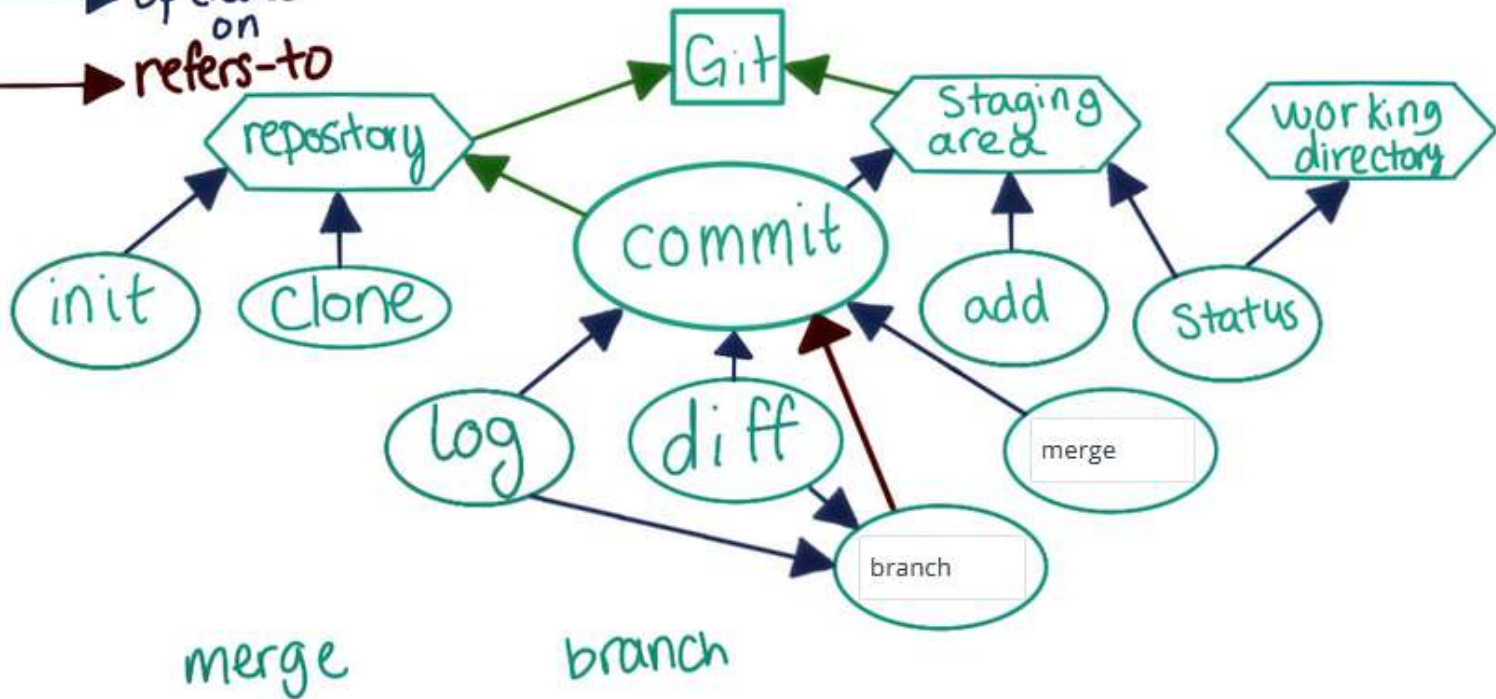
A  
B  
C  
D

# Current History Diagram



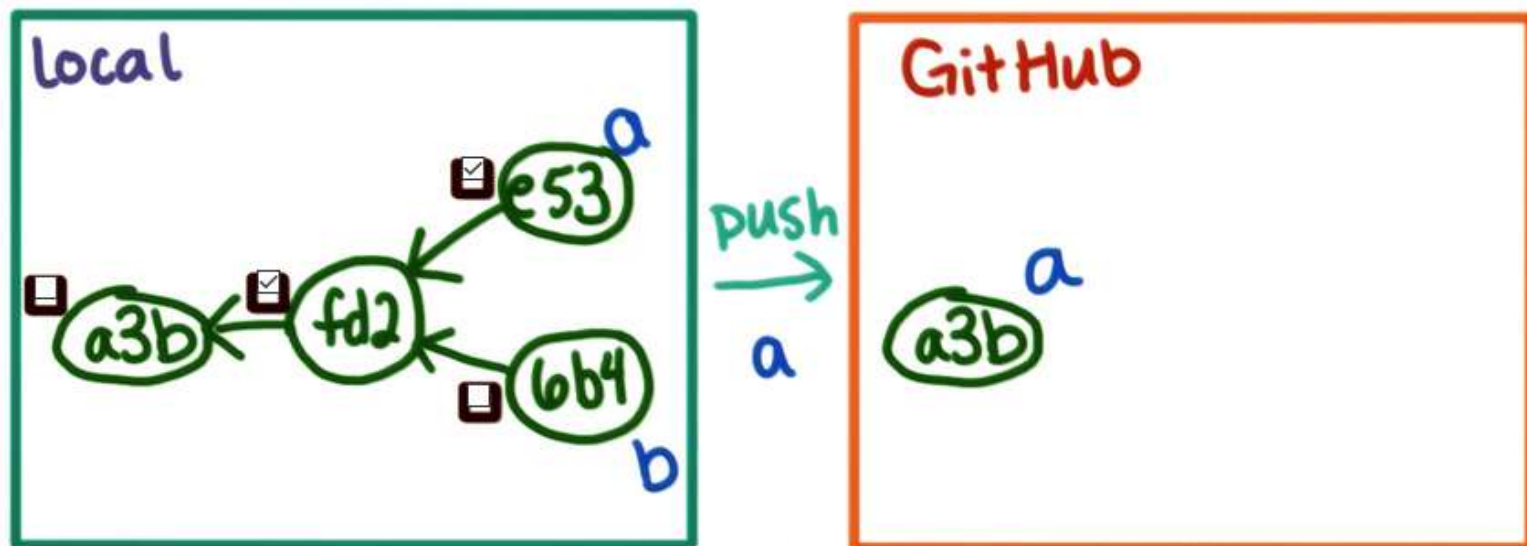
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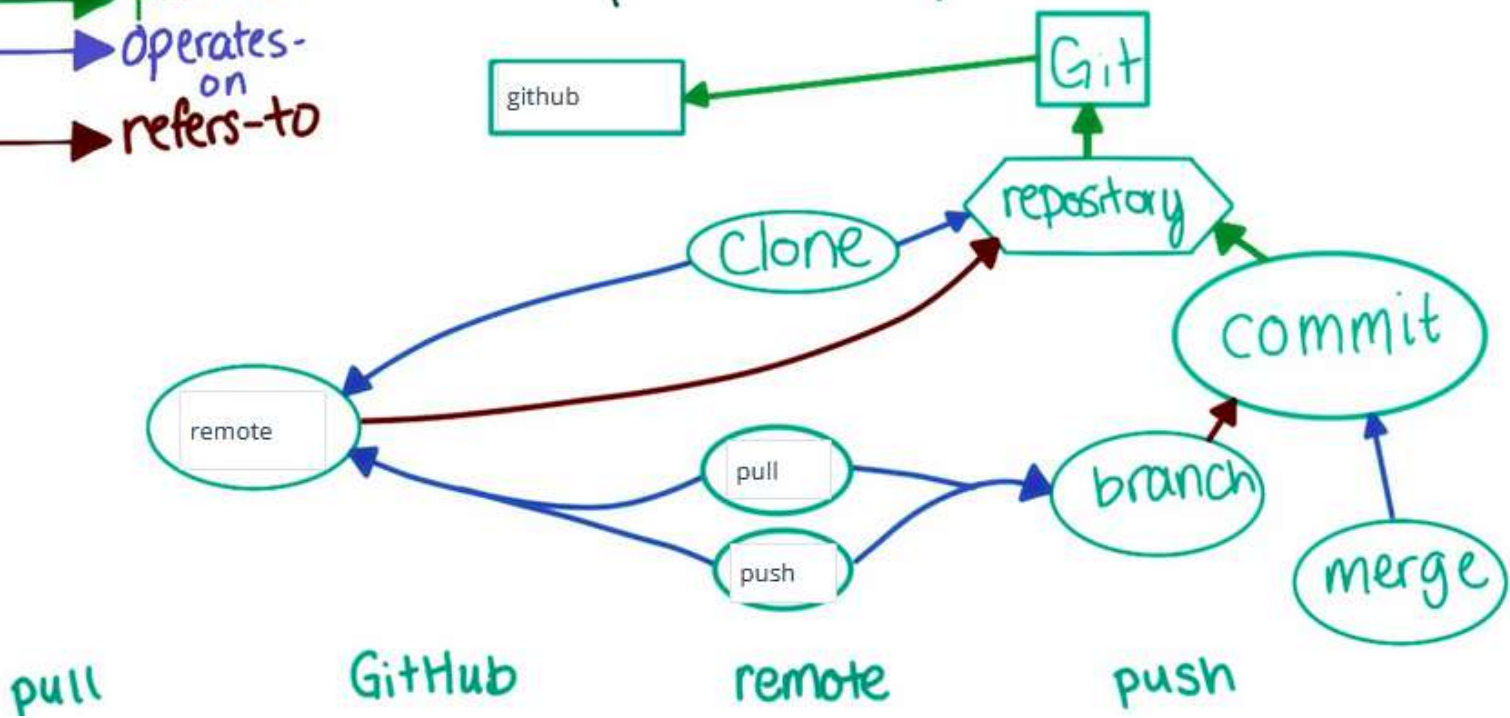
## Syncing Repositories



Check the commits that will be sent

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# Clone, Branch, or Fork?

branch

Local



clone

local

0<0<0

0<0<0

fork

Git Hub

0<0<0

0<0<0

clone

Git Hub

0<0<0

local

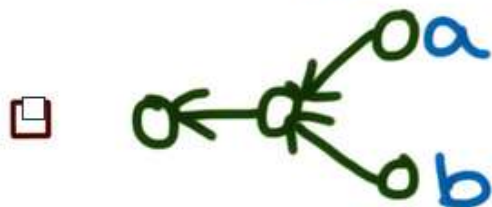
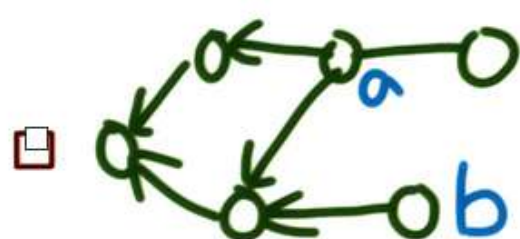
0<0<0

## Where was your commit present?

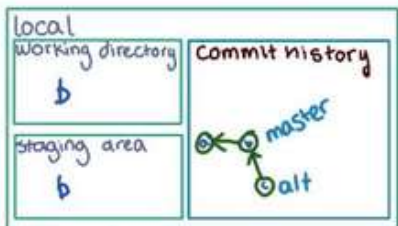
Right before you ran `git push`, where do you think your commit adding a new recipe was present? Similarly, now that you have run `git push`, where do you think this commit is present? Check all that apply, and remember that it's possible for a commit to be present in a repository both before and after running `git push`.

	Right before running <code>git push</code>	Right after running <code>git push</code>
In your local repository (visible via <code>git log</code> )	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
On your fork (visible via the commit history on GitHub)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
On Larry's repository (visible via the commit history on GitHub)	<input type="checkbox"/>	<input type="checkbox"/>

# Fast-forward Merges



Check if merging **b** into **a** would be a fast-forward



assume these  
commands are  
run with local  
master checked  
out

# What gets Changed?

	Local working directory	Local Staging area	Local master branch	GitHub master branch
edit and save README.md	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
git add README.md	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
git commit	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
git pull origin master	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
git push origin master	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
merge alt pull request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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