

Original File	Output of diff -u	Final File
A	---file.txt	A
B	+++updated.txt	B
C	B	\$
D	+\$	C
E	C	#
F	-D	%
	+#	E
	+%	F
	E	

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 3d4d45b246aad6a1cd0afaf7cfae26966110727e
```

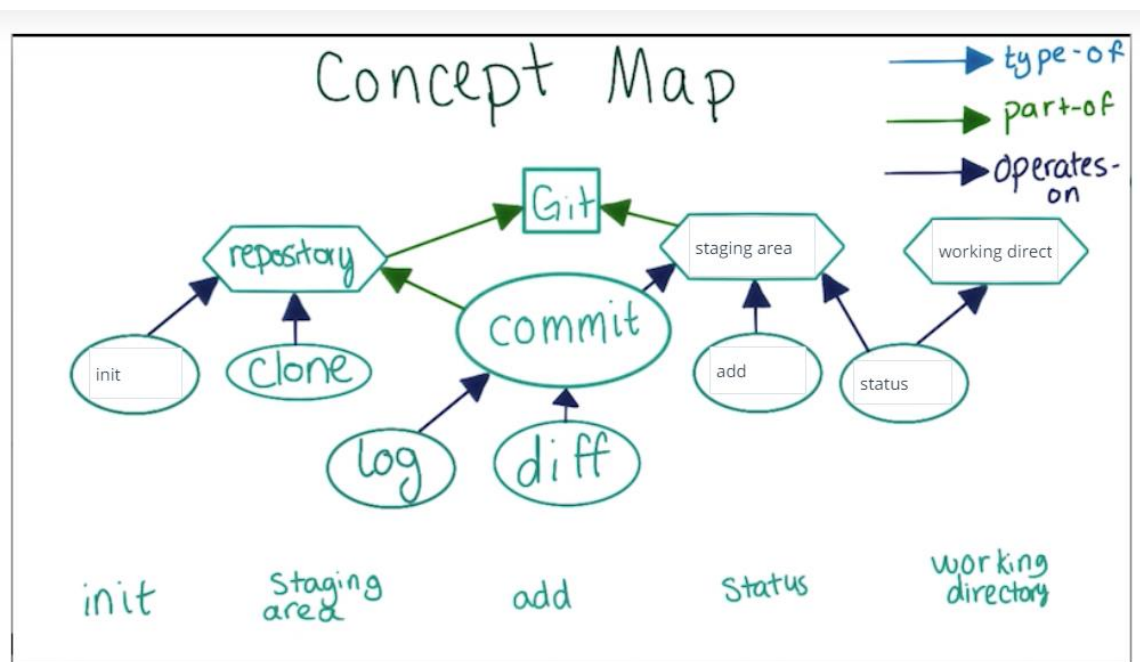
```
Date:   Mon Jul 7 17:35:47 2014 -0300
```

```
    Fix leaderboard button
```

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

- ☐
- ☐
- ☐
- ☒

	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"/>



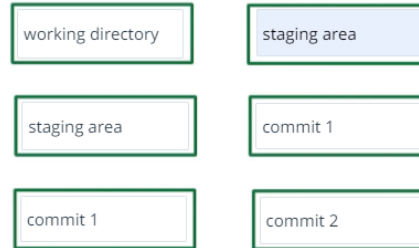
What two versions does each form of git diff compare?

Choices: working directory
staging area
commit 1
commit 2

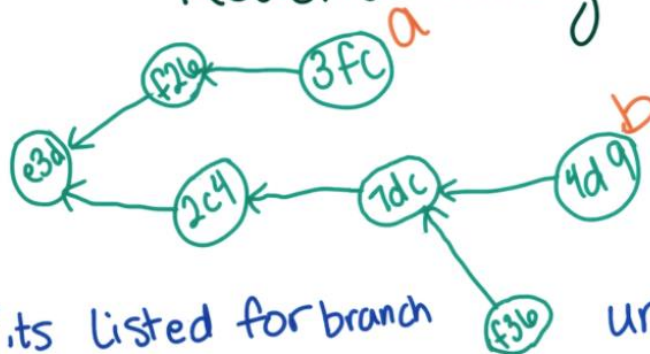
git diff

git diff --staged

git diff commit1 commit2



Reachability



commits listed for branch

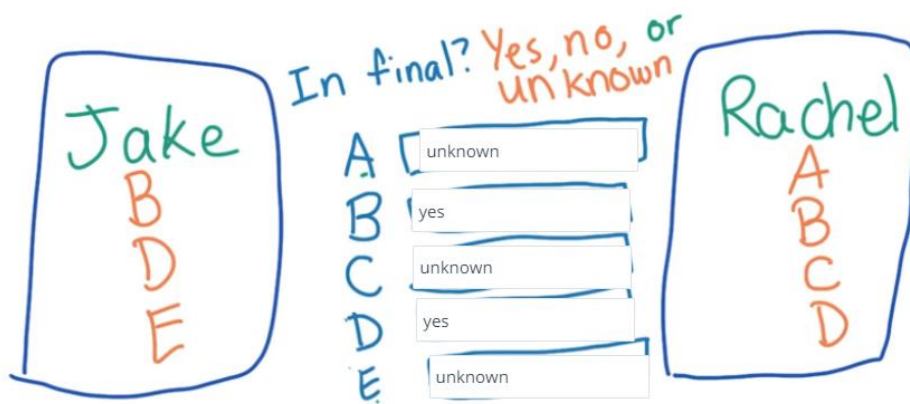
a: 3fc, f26, e3d

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

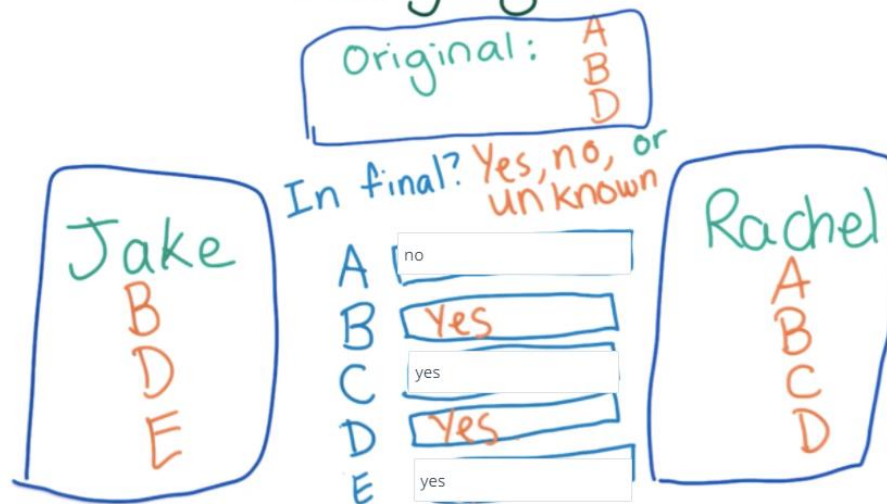
unreachable commits:

f36

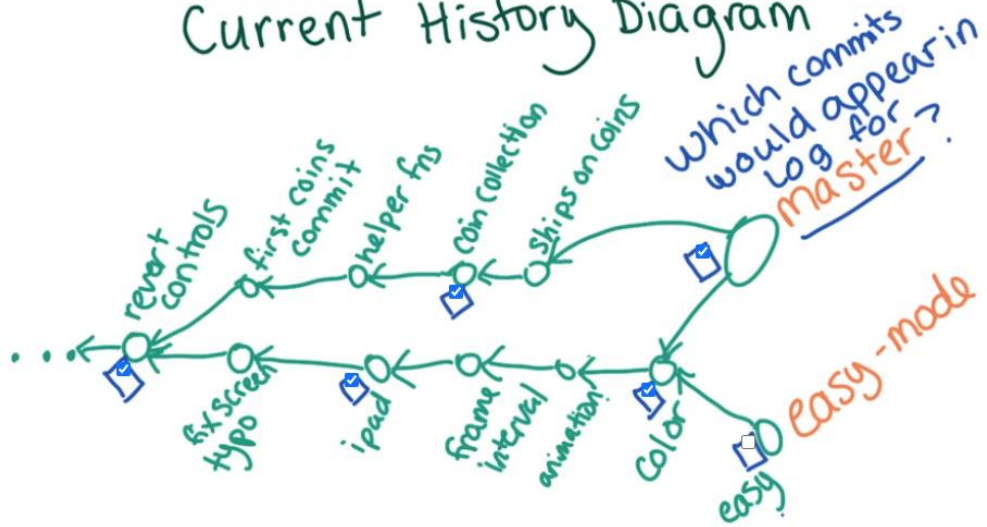
Merging files



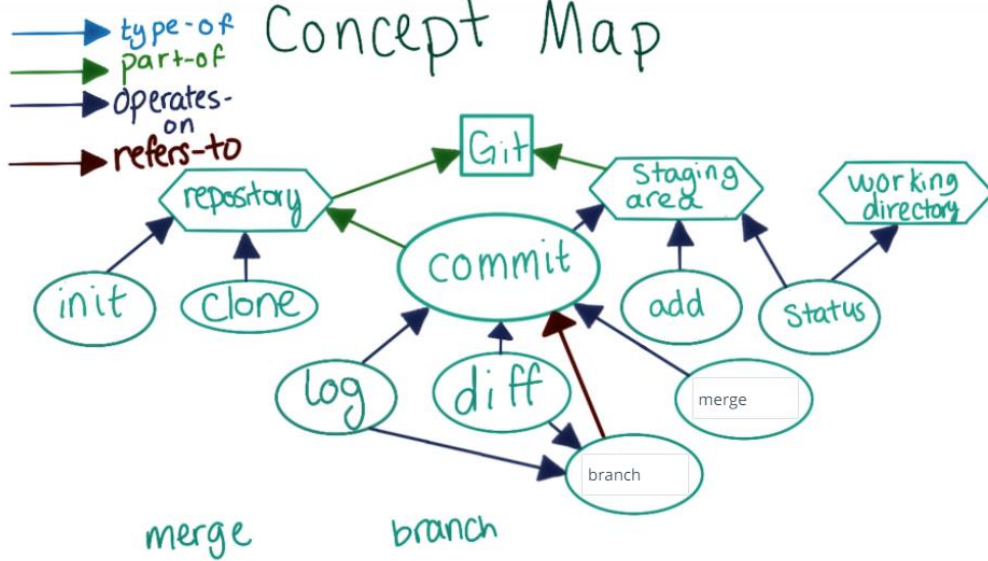
Merging files



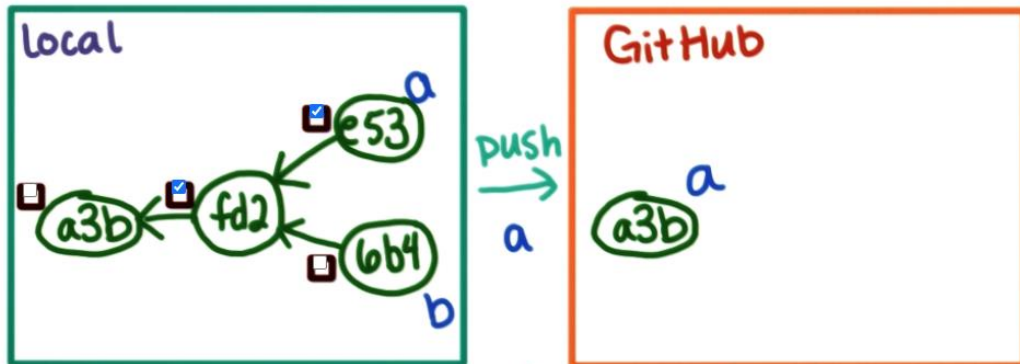
Current History Diagram



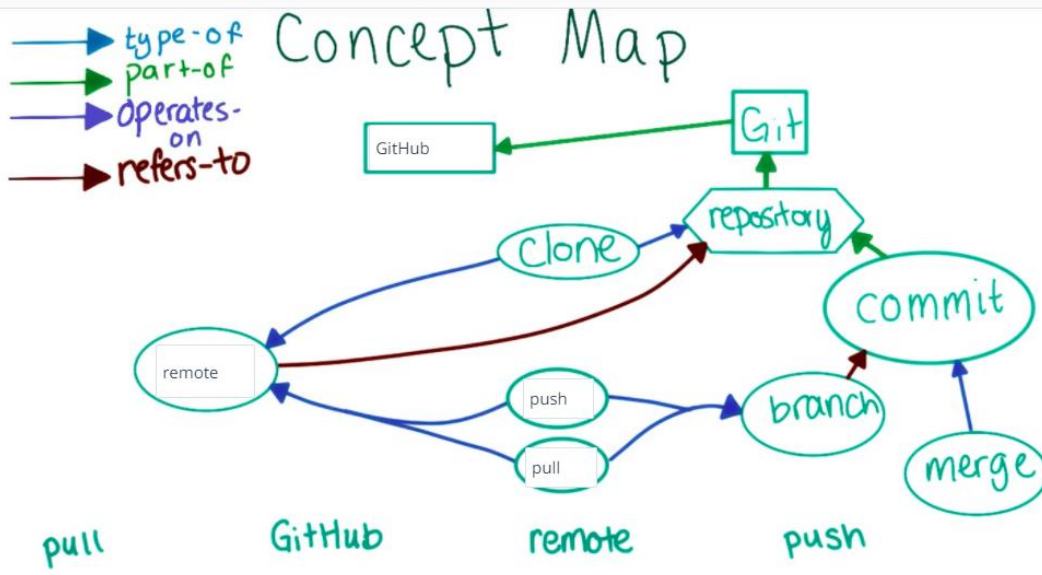
Concept Map



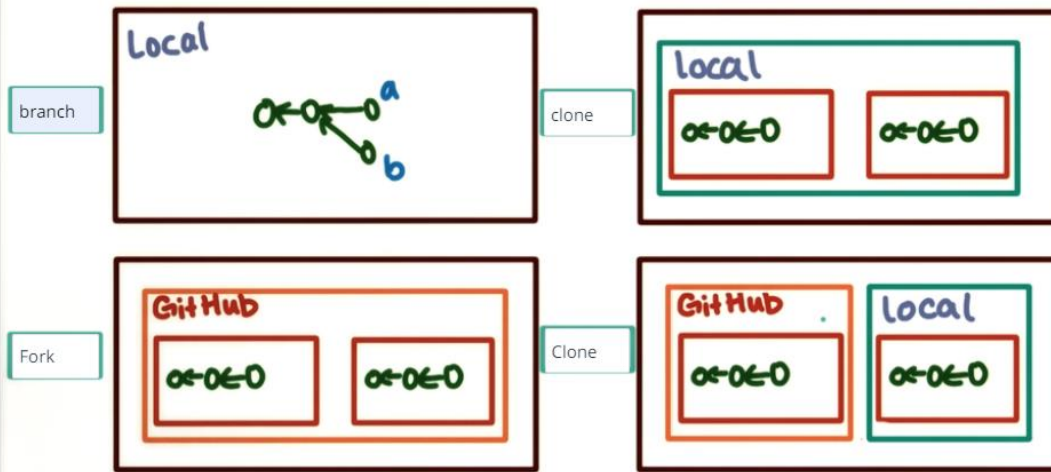
Syncing Repositories



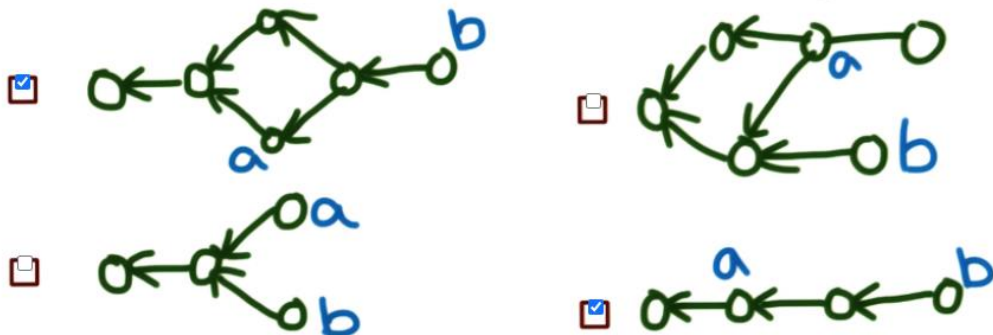
Check the commits that will be sent



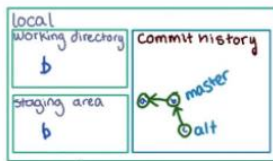
Clone, Branch, or Fork?



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	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
origin master	<input type="checkbox"/>	<input 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
pull request	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- type-of
- part-of
- operates-on
- refers-to

Concept Map

