Técnicas de programación
GIT – TAREA

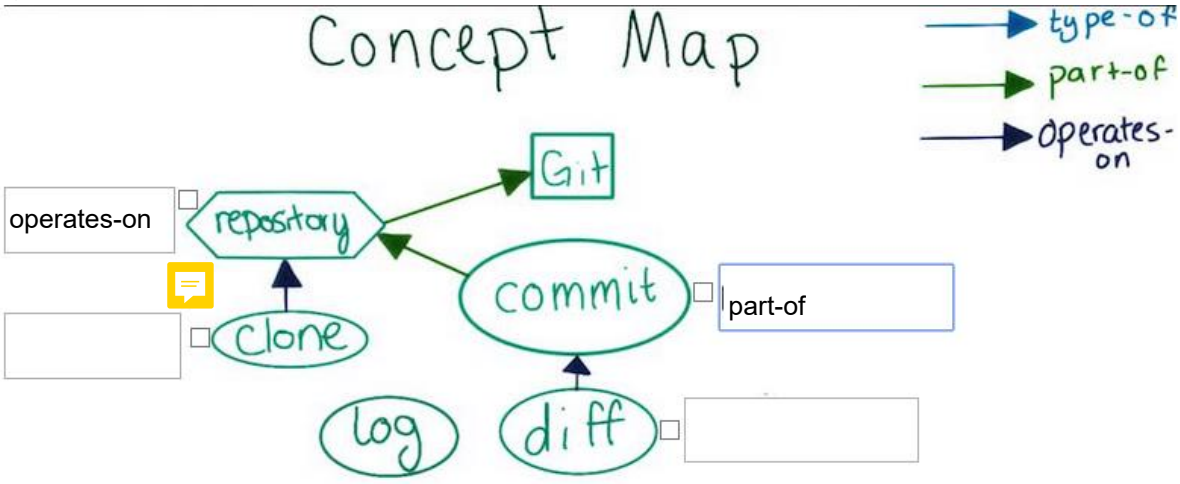
Cuando termine el curso de Git disponible en: https://classroom.udacity.com/courses/ud775 usted estará en capacidad de crear un repositorio local y un repositorio remoto usando git. Una vez tenga la cuenta debe crear un repositorio en GitHub que se llame POO2021-1Iniciales. Por ejemplo, si yo tuviera que crean un proyecto mi nombre sería POO2021-1LFRP. Este proyecto será el lugar donde serán los subidos los ejercicios prácticos del este curso, por esa razón debe darme dentro del proyecto permisos para que yo pueda hacer push y pull.

Dentro del proyecto deberá crear una carpeta llamada GIT y dentro de esa carpeta deberá adicionar un documento con extensión .doc o .pdf que contenga las pantallas que den solución a las siguientes preguntas que son formuladas durante el curso de GIT.

Como resultado de este trabajo deberá subir a Teams un documento de texto con la URL de su repositorio al que debo tener permisos de acceso.

Fecha de entrega 15 de febrero 2021.

1)



3)

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

4)

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.
  git diff
- Make a copy of an entire Git repository, including the history, onto your own computer.
  git clone
- Temporarily reset all files in a repository to their state at the time of a specific commit.
  git checkout
- Show the commits made in a repository, starting with the most recent.
  git log

5)

```
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
```

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

- [X] commit `7be5a12f1567866b0d77ccdf2055d1a33831da78` (the top commit listed)
- [X] commit `06d72e1f95f046002ec46f41cf71957227111141` (the middle commit listed)
- [ ] commit `3d4d45b246aad6a1cd0afaf7cfae26966110727e` (the bottom commit listed)

6)

Problem Set 1 > Behavior of git diff Quiz

```
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`

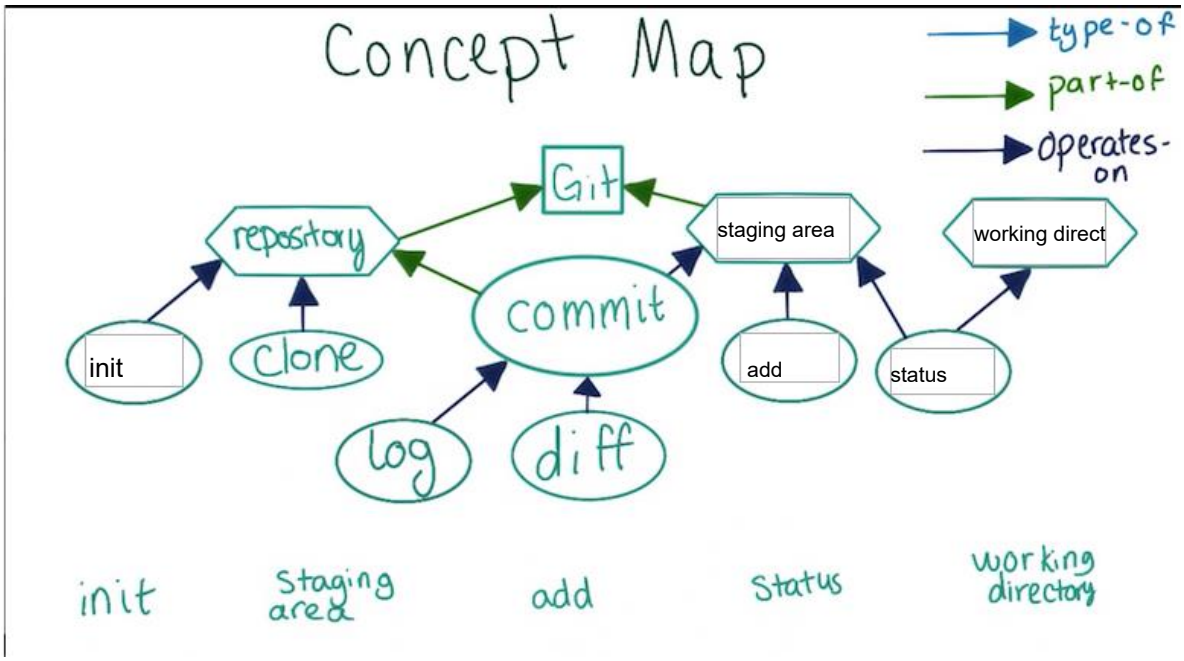
7)

Behavior of `git checkout`

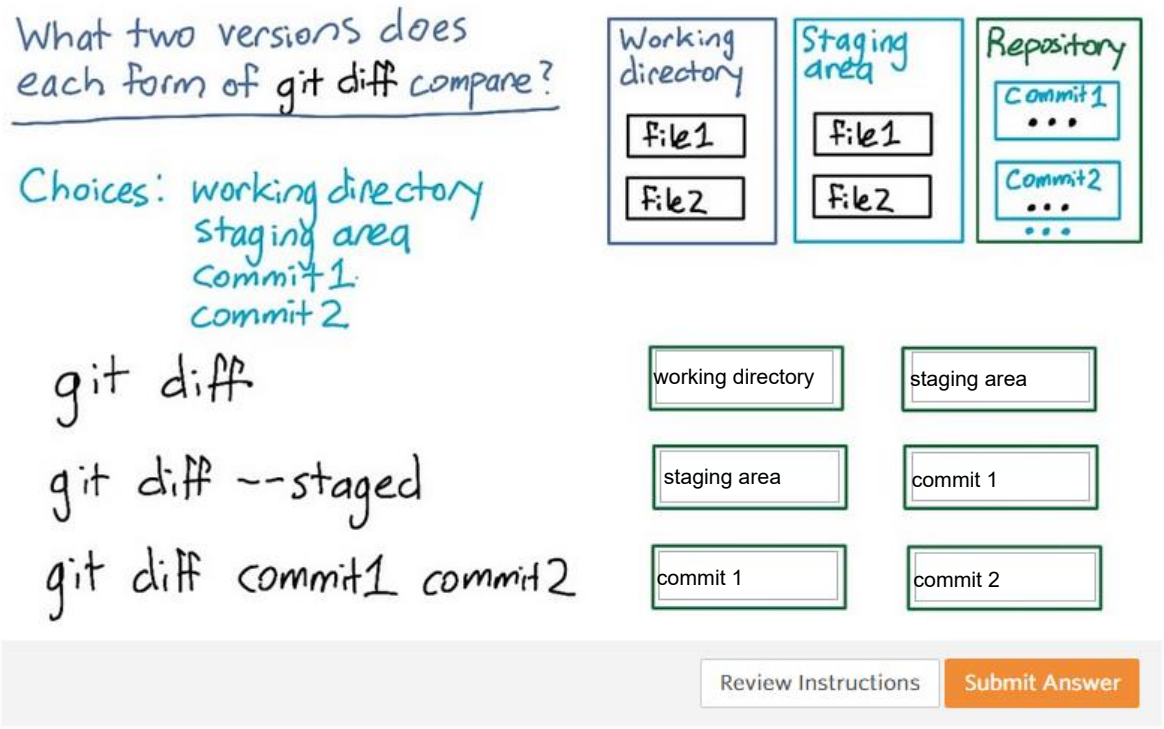
Select when each statement would be true.

	Never true	Sometimes true	Always true
Checking out an earlier commit will change the state of at least one file.	○	ⓧ	○
Checking out an earlier commit will change the state of more than one file.	○	ⓧ	○
Checking out an earlier commit will change the state of every file in the repository.	○	ⓧ	○
After checking out a commit, the state of all the files in the repository will be from the same point in time.	○	○	ⓧ

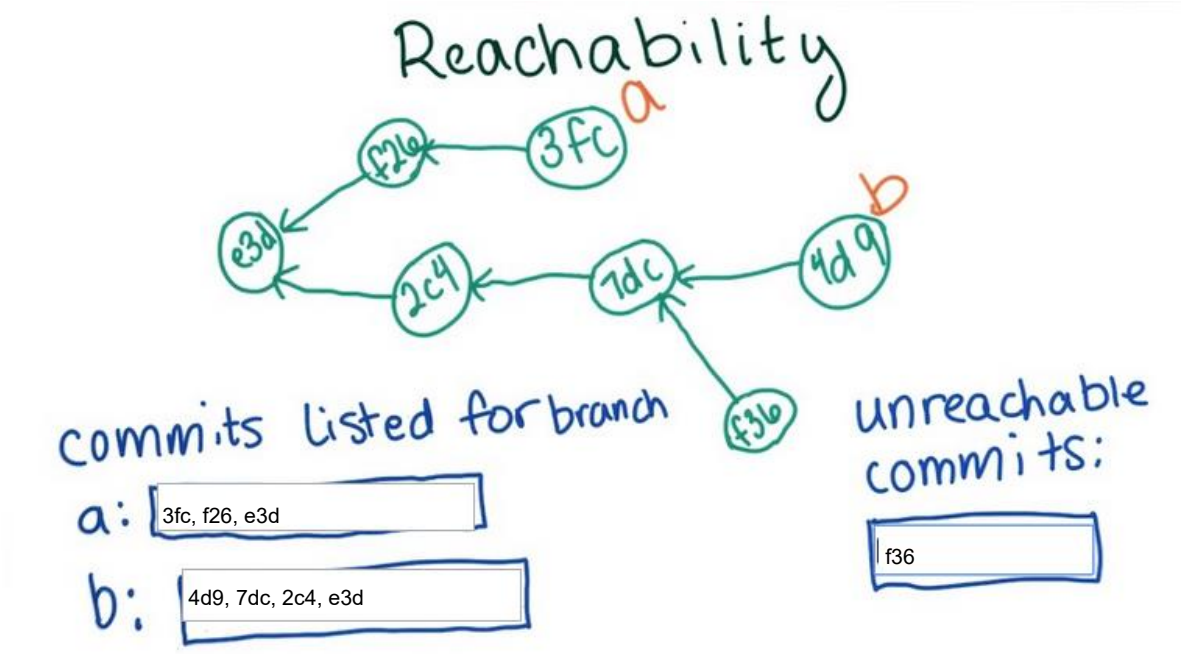
8)


Concept Map
type-of
part-of
operates-on
Git
repostary
staging area
working direct
commit
init
Clone
add
status
log
diff
init
Staging area
add
Status
working directory

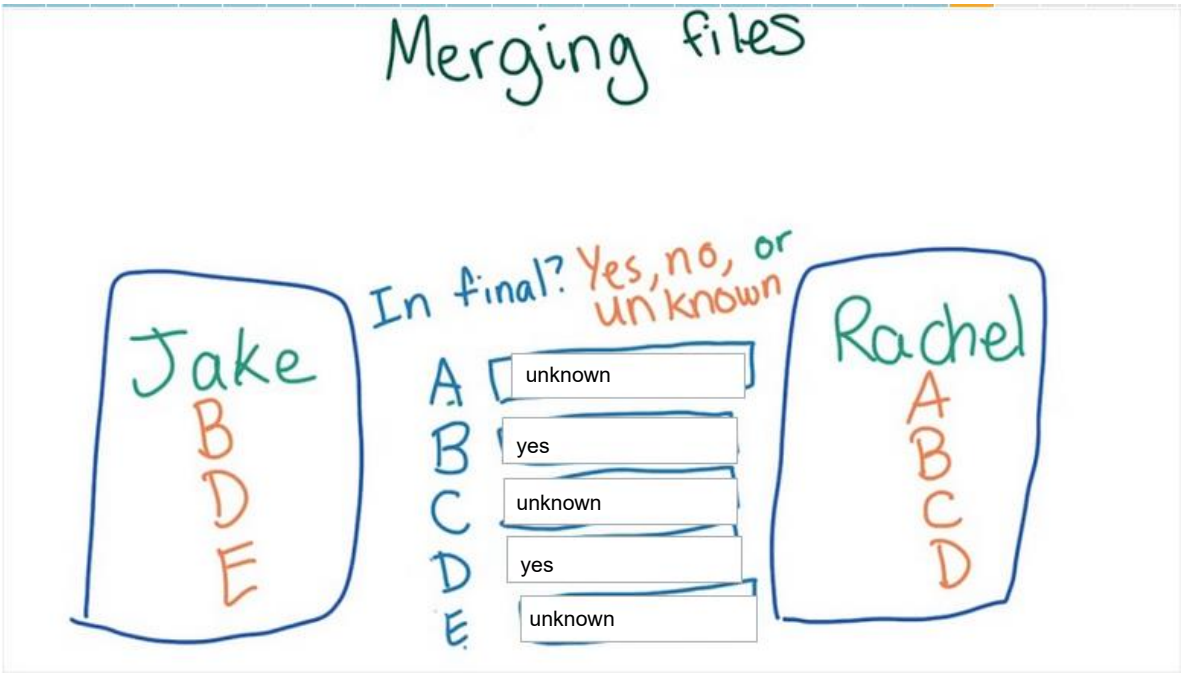
9)


What two versions does each form of git diff compare?
Choices: working directory
staging area
commit 1
commit 2
Working directory
file1
file2
Staging area
file1
file2
Repository
commit 1
commit 2
git diff
git diff --staged
git diff commit1 commit2
working directory
staging area
staging area
commit 1
commit 1
commit 2
Review Instructions
Submit Answer

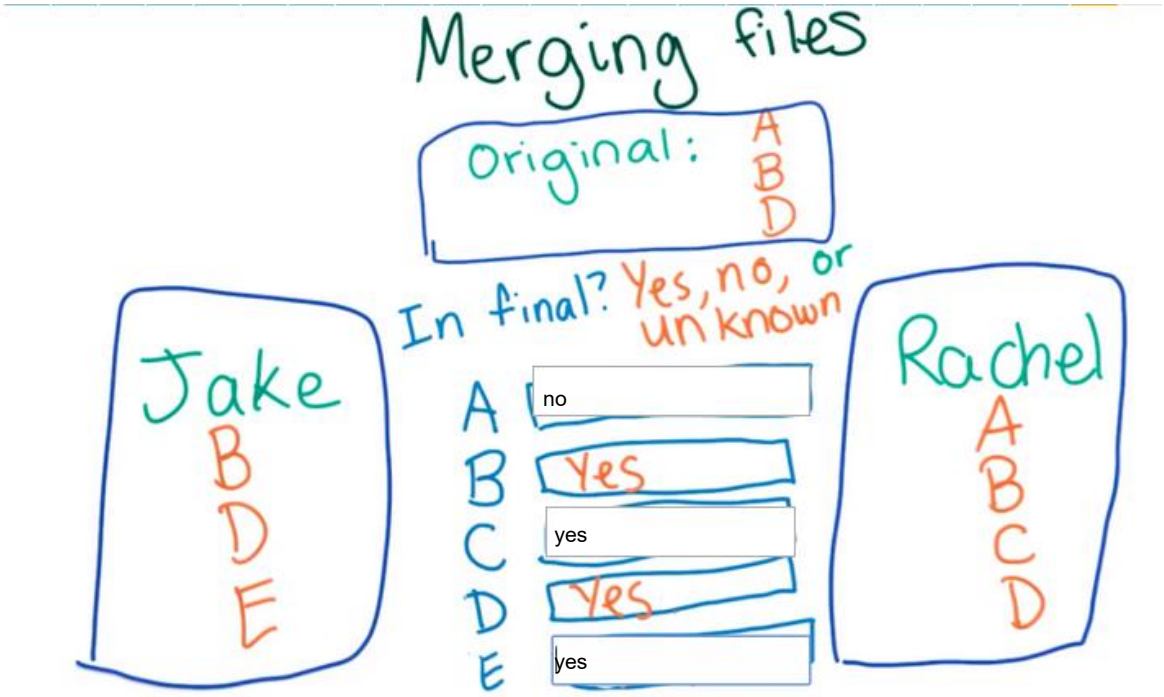
10)


Reachability
a
3fc
f26
e3d
b
4d9
7dc
2c4
f36
commits listed for branch
a: 3fc, f26, e3d
b: 4d9, 7dc, 2c4, e3d
unreachable commits:
f36

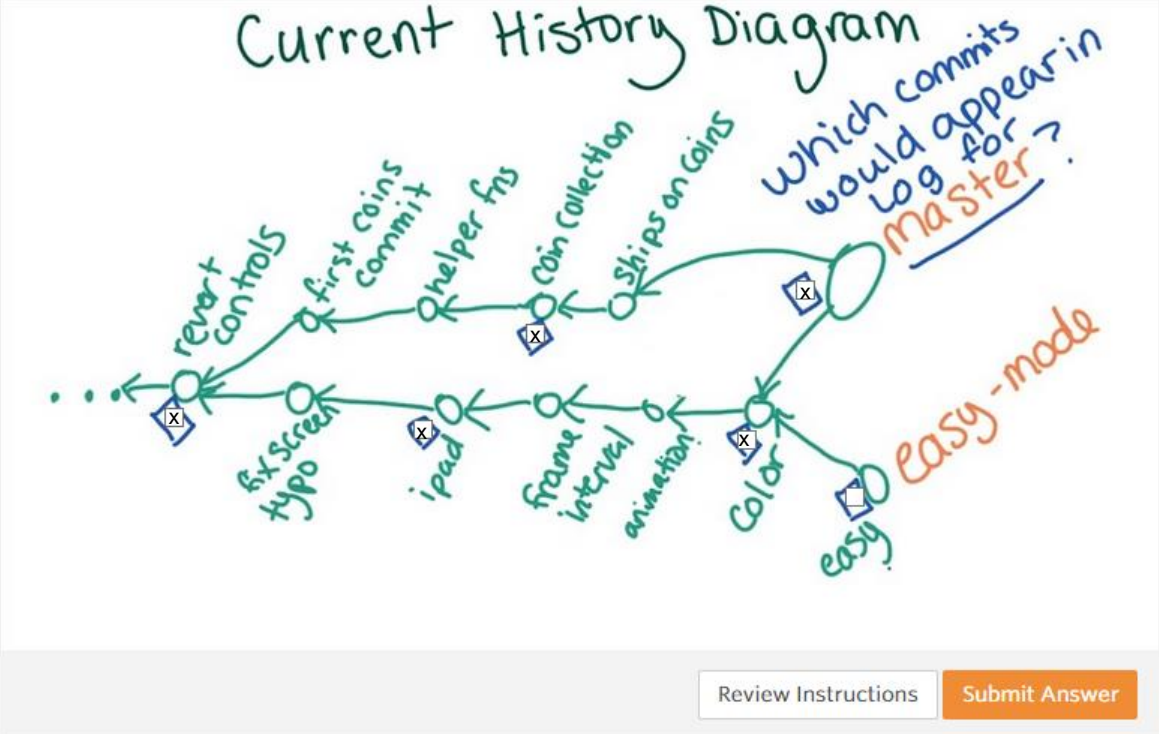
11)


Merging files
Jake
B
D
E
In final? Yes, no, or unknown
A unknown
B yes
C unknown
D yes
E unknown
Rachel
A
B
C
D

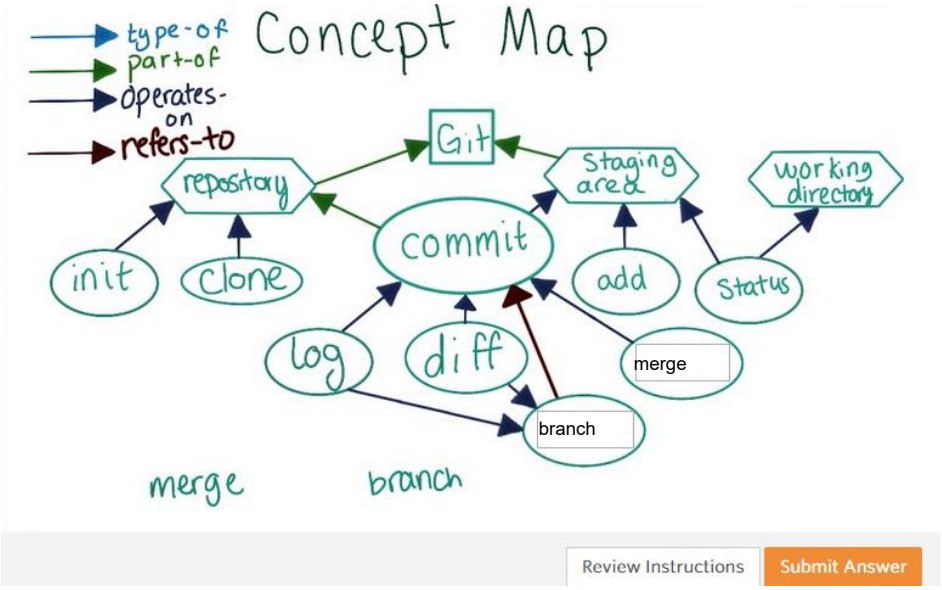
12)


Merging files
Original:
A
B
D
In final? Yes, no, or unknown
Jake
B
D
E
A
no
B
Yes
C
yes
D
Yes
E
yes
Rachel
A
B
C
D

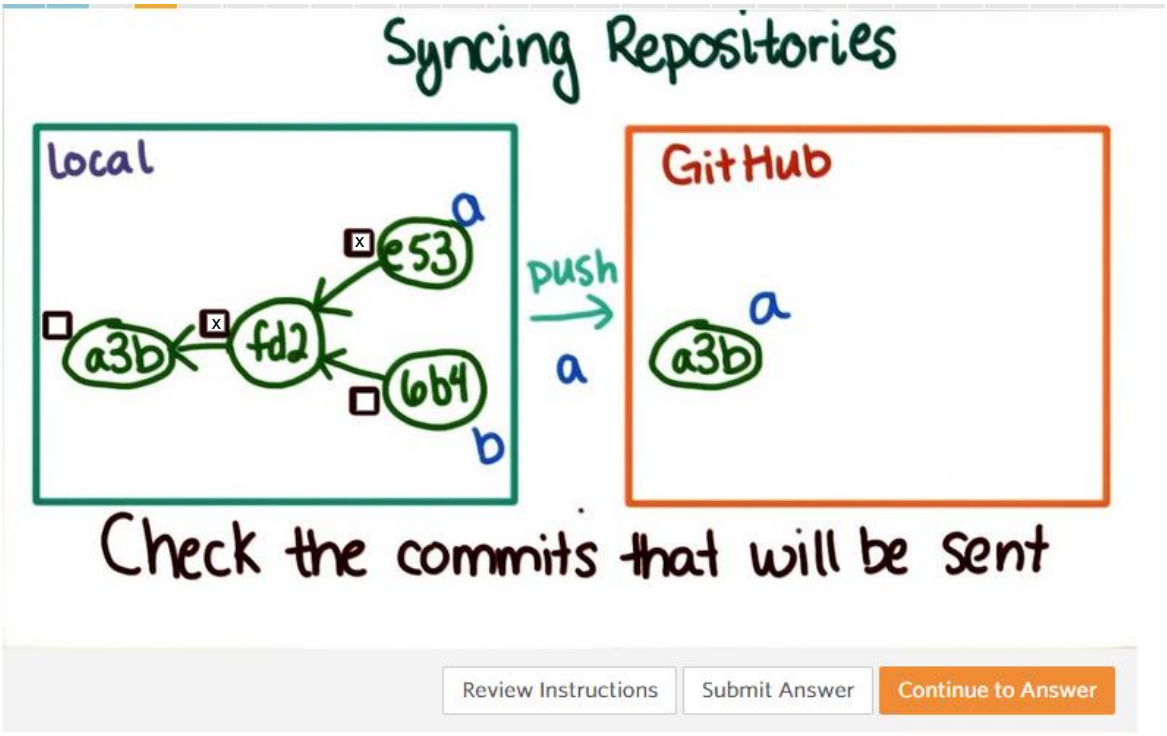
13)


Current History Diagram
Which commits would appear in log for master?
revert controls
first coins commit
helper fns
coin collection
ships on coins
fix screen typo
ipad
frame interval
animation
color
easy
easy-mode
Review Instructions
Submit Answer

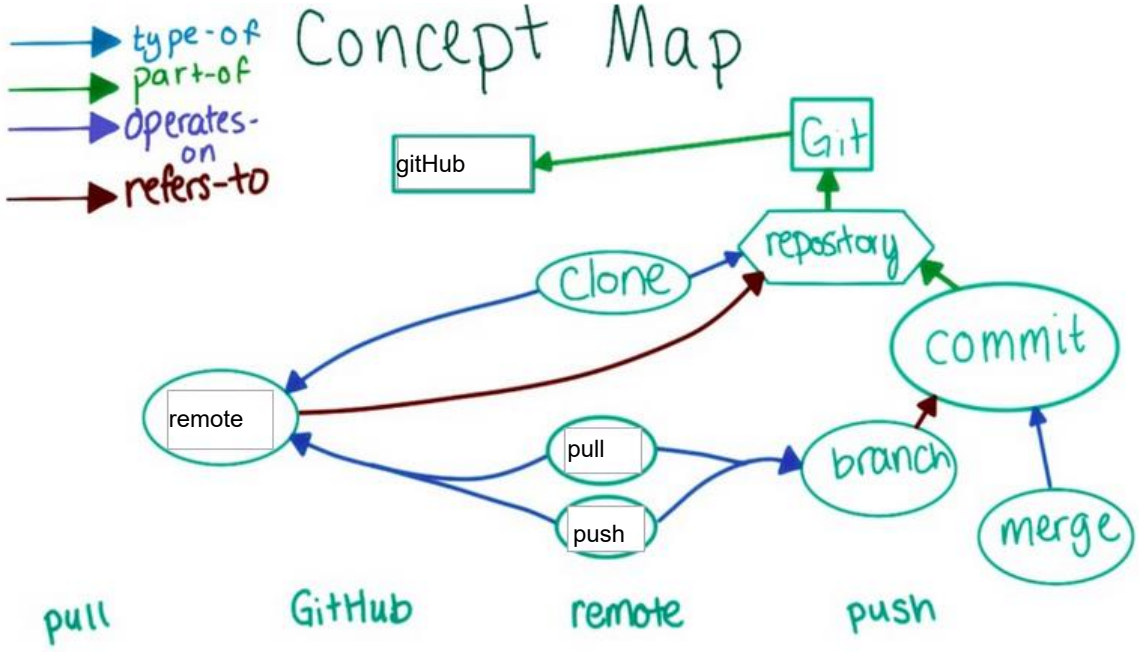
14)


type-of
part-of
operates-on
refers-to
Concept Map
Git
repository
Staging area
working directory
commit
init
Clone
add
Status
log
diff
merge
branch
merge
branch
Get Help
Discussion Topics
Report an Issue
Review Instructions
Submit Answer

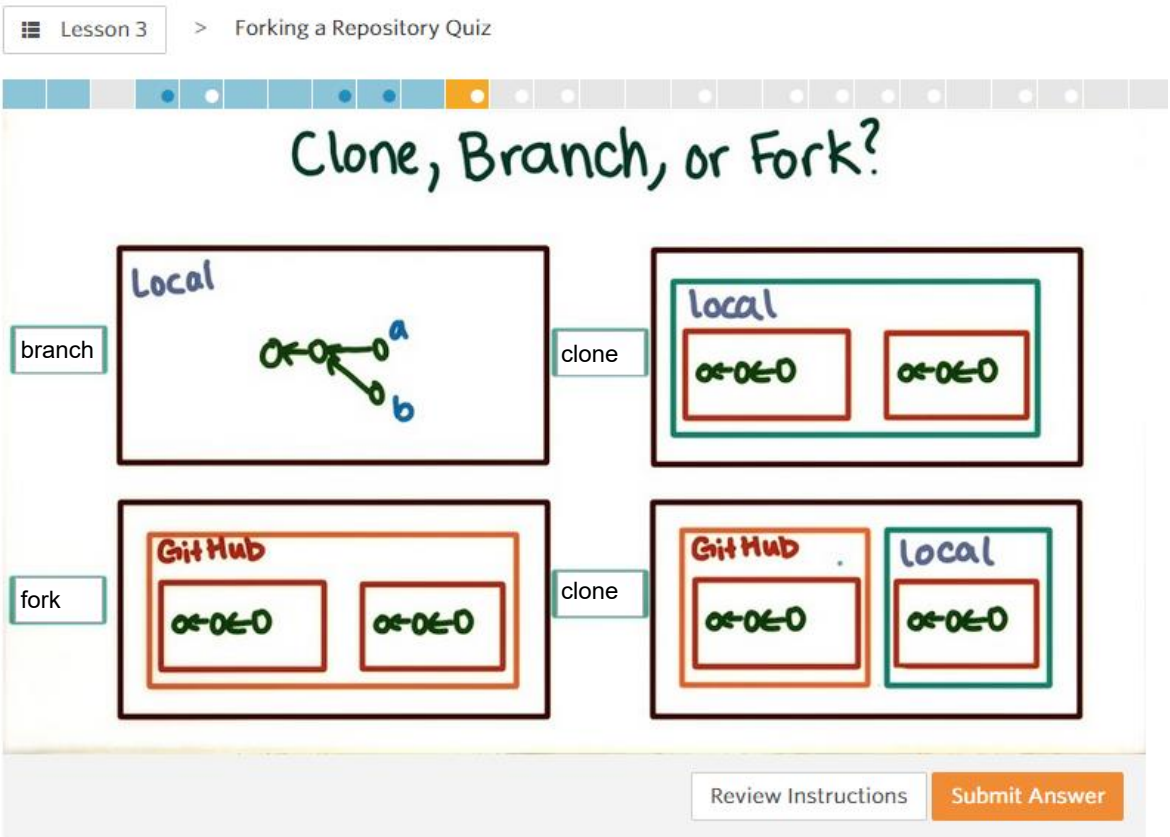
15)


Syncing Repositories
local
GitHub
e53
a3b
fd2
6b4
push
a
a
a3b
b
Check the commits that will be sent
Review Instructions
Submit Answer
Continue to Answer

16)


type-of
part-of
operates-on
refers-to
Concept Map
gitHub
Git
repository
Clone
commit
remote
pull
branch
push
merge
pull
GitHub
remote
push

17)


Lesson 3
> Forking a Repository Quiz
Clone, Branch, or Fork?
branch
Local
a
b
clone
local
fork
GitHub
clone
GitHub
local
Review Instructions
Submit Answer

18)

Lesson 3 > Pushing Recipe Changes Quiz

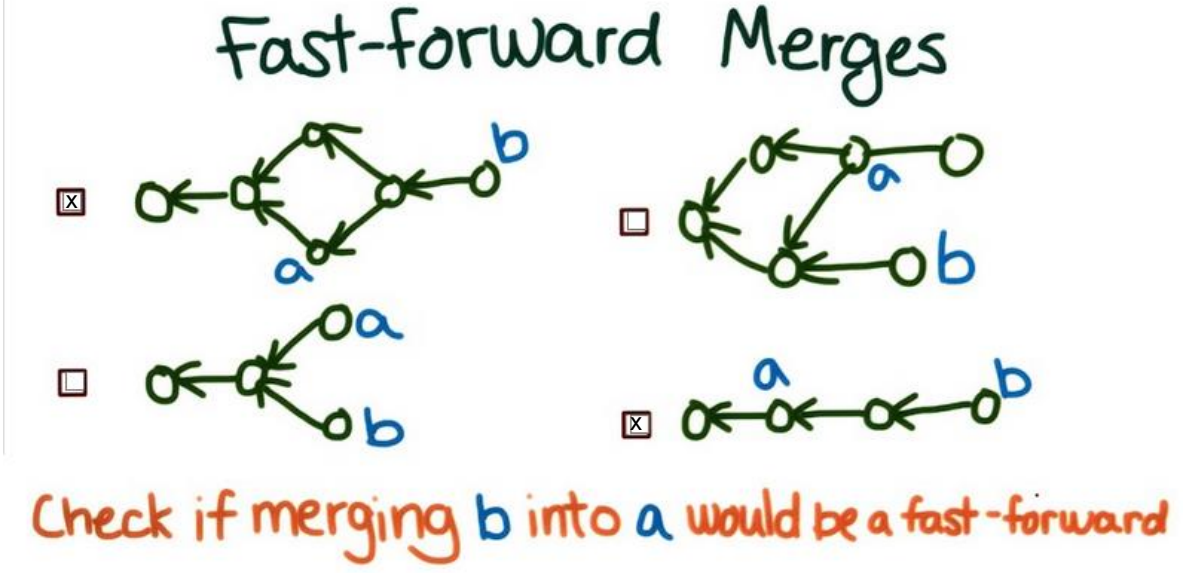
Where was your commit present?

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 `git push`	Right after running `git push`
In your local repository (visible via `git log`)	☒	☒
On your fork (visible via the commit history on GitHub)	☐	☒
On Larry's repository (visible via the commit history on GitHub)	☐	☐

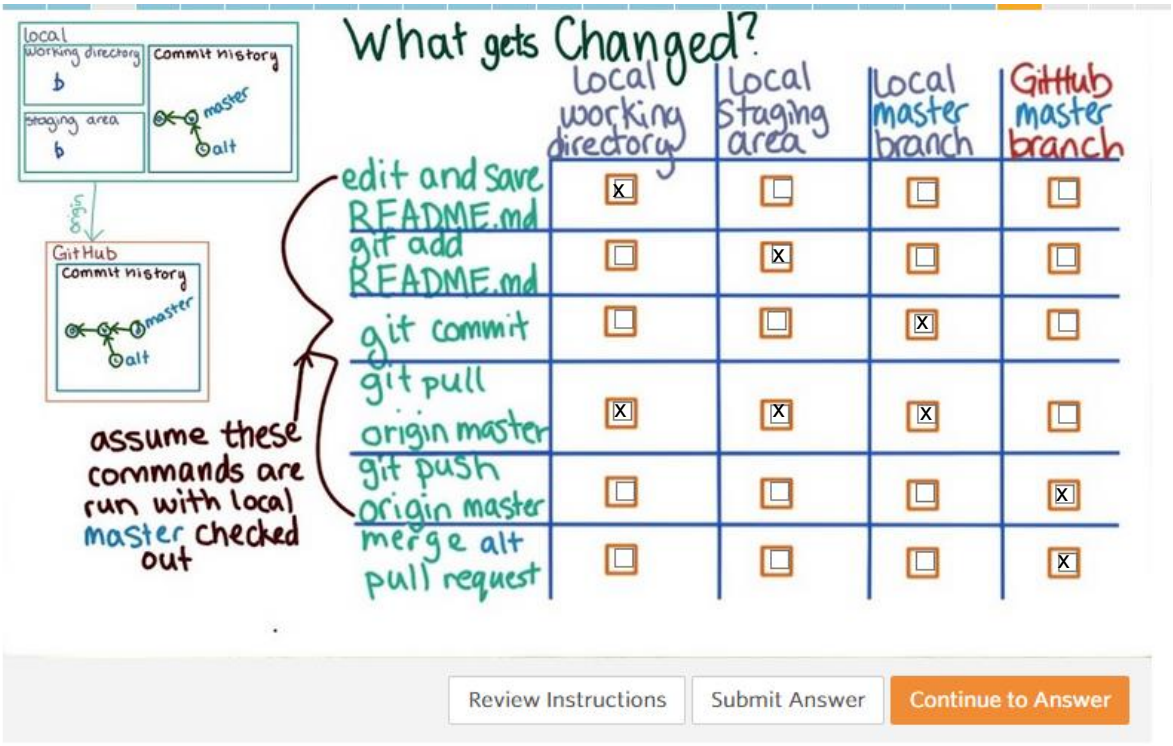
19)

Lesson 3 > Fast-Forward Merges Quiz

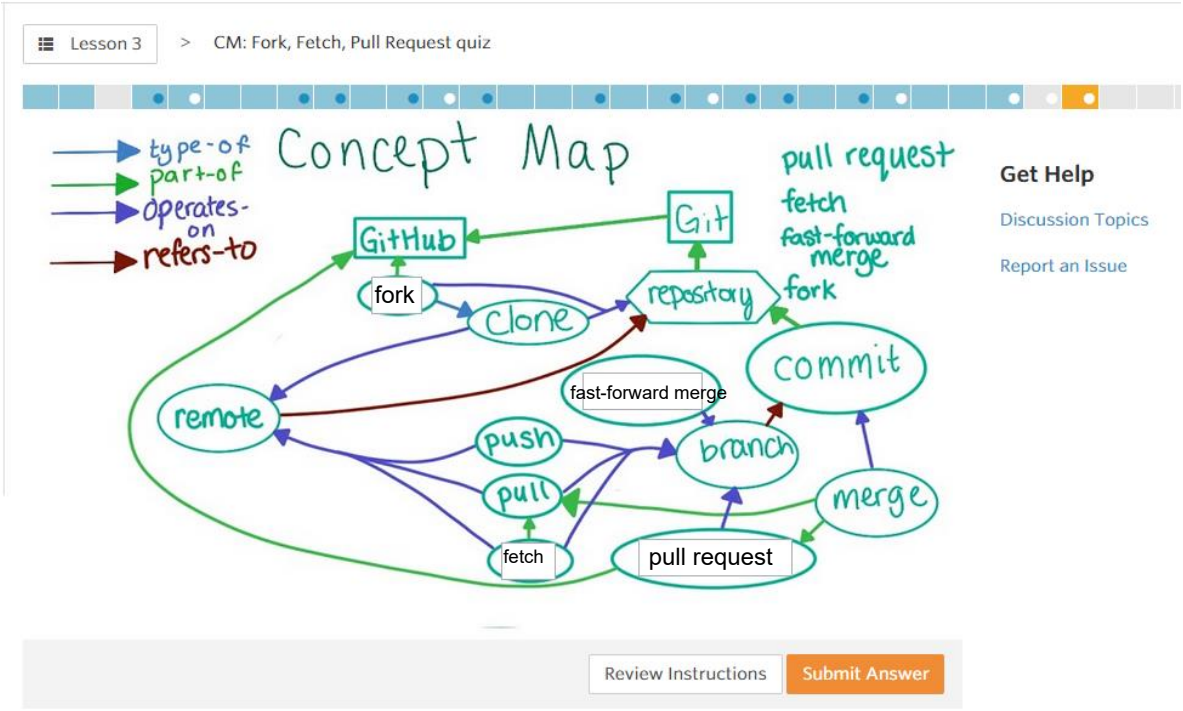


Review Instructions | Submit Answer

20)


What gets Changed?
local working directory
local staging area
local master branch
GitHub master branch
edit and save README.md
git add README.md
git commit
git pull origin master
git push origin master
merge alt pull request
assume these commands are run with local master checked out
local
working directory
staging area
Commit history
master
alt
origin
GitHub
Commit history
master
alt
Review Instructions
Submit Answer
Continue to Answer

21)


Lesson 3
CM: Fork, Fetch, Pull Request quiz
Concept Map
type-of
part-of
operates-on
refers-to
GitHub
Git
fork
clone
repository
fork
remote
fast-forward merge
commit
push
branch
pull
merge
fetch
pull request
pull request
fetch
fast-forward merge
Get Help
Discussion Topics
Report an Issue
Review Instructions
Submit Answer