

classroom.udacity.com/courses/ud775/lessons/2980038599/concepts/29607789480923

Concept Map: repository, clone, log

SEND FEEDBACK

Concept Map

Legend:

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

Diagram:

```

graph TD
    Git[Git] -- type-of --> repository{{repository}}
    repository -- operates-on --> clone((clone))
    repository -- operates-on --> commit((commit))
    clone -- part-of --> repository
    commit -- part-of --> repository
    log((log)) -- part-of --> repository
    diff((diff)) -- part-of --> repository
    
```

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/3394248803/concepts/34080188590923

Old File Plus Diff

SEND FEEDBACK

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

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/3394248803/concepts/33816788120923

### Git Command Review

3. Quiz: Old File Plus Diff  
4. Quiz: Tracking Versions Using Git  
5. Quiz: Git Command Review  
6. Quiz: Behavior of git clone  
7. Quiz: Behavior of git log  
8. Quiz: Behavior of git diff  
9. Quiz: Behavior of git checkout  
10. Quiz: Cloning a New Repository  
11. Quiz: Identifying a Bug  
12. Quiz: Fixing the Bug  
13. Quiz: Identifying a Second Bug  
14. Quiz: Fixing the Second Bug

**Git command review**  
Compare two commits, printing each line that is present in one commit but not the other.

`git diff` will do this. It takes two arguments - the two commit ids to compare.

**Make a copy of an entire Git repository, including the history, onto your own computer.**  
`git clone` will do this. It takes one argument - the url of the repository to copy.

**Temporarily reset all files in a directory to their state at the time of a specific commit.**  
`git checkout` will do this. It takes one argument - the commit ID to restore.

**Show the commits made in this repository, starting with the most recent.**  
`git log` will do this. It doesn't take any arguments.

[Ver introducción](#) [Regresar al examen](#)

SIGUIENTE

classroom.udacity.com/courses/ud775/lessons/3394248803/concepts/34338488340923

### Behavior of git log

3. Quiz: Old File Plus Diff  
4. Quiz: Tracking Versions Using Git  
5. Quiz: Git Command Review  
6. Quiz: Behavior of git clone  
7. Quiz: Behavior of git log  
8. Quiz: Behavior of git diff  
9. Quiz: Behavior of git checkout  
10. Quiz: Cloning a New Repository  
11. Quiz: Identifying a Bug  
12. Quiz: Fixing the Bug  
13. Quiz: Identifying a Second Bug  
14. Quiz: Fixing the Second Bug

```
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.

- ☒ commit 7be5a12f1567866b0d77ccdf2055d1a33831da78 (the top commit listed)
- ☒ commit 06d72e1f95f046002ec46f41cf71957227111141 (the middle commit listed)
- ☒ commit 3d4d45b246aad6a1cd0afaf7cfae26966110727e (the bottom commit listed)

[Ver introducción](#) [VER RESPUESTA](#) [ENVIAR RESPUESTA](#)

classroom.udacity.com/courses/ud775/lessons/3394248803/concepts/34491186070923

Behavior of git diff

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

Ver introducción

VER RESPUESTA ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/3394248803/concepts/33693594740923

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.	<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"/>

Ver introducción

VER RESPUESTA ENVIAR RESPUESTA

SIGUIENTE

6. Quiz: Concept Map: init, add, s...

7. Reflect: Staging Area

8. Writing Good Commit Messages

9. Quiz: Committing Changes

10. Quiz: git diff Revisited

11. Commit the Bug Fix

12. Reflect: Commit Size

13. Branches

14. Quiz: Making a Branch

15. Reflect: When to Use Branches

16. Interview with Mike Wales

17. Quiz: Branches for Collaborati...

18. Quiz: Reachability

Concept Map: init, add, staging area

SEND FEEDBACK

Concept Map

init, staging area, add, status, working directory

Git

repository

commit

clone

log

diff

add

status

working direct

init

staging area

add

status

working directory

type-of

part-of

operation

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

10. Quiz: git diff Revisited

11. Commit the Bug Fix

12. Reflect: Commit Size

13. Branches

14. Quiz: Making a Branch

15. Reflect: When to Use Branches

16. Interview with Mike Wales

17. Quiz: Branches for Collaborati...

18. Quiz: Reachability

19. Detached HEAD Revisited

20. Reflect: Visualizing with Diagra...

21. Quiz: Combining Simple Files

git diff Revisited

SEND FEEDBACK

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

Working directory

Staging area

Repository

File1

File2

Commit1

Commit2

working directory

staging area

commit 1

commit 2

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/2969618657/concepts/29803586340923

### 18. Quiz: Reachability

## Reachability

commits listed for branch

a:

b:

unreachable commits:

[Ver introducción](#) [VER RESPUESTA](#) [ENVIAR RESPUESTA](#)

classroom.udacity.com/courses/ud775/lessons/2969618657/concepts/29605487910923

### 21. Quiz: Combining Simple Files

## Merging files

In final? Yes, no, or unknown

A	unknown
B	yes
C	unknown
D	yes
E	unknown

[Ver introducción](#) [VER RESPUESTA](#) [ENVIAR RESPUESTA](#)

classroom.udacity.com/courses/ud775/lessons/2969618657/concepts/29796485910923

### 22. Quiz: Combining Simple Files ...

#### Combining Simple Files Using Original

SEND FEEDBACK

Original: A B D

Jake B D E

Rachel A B C D

In final? Yes, no, or unknown

A no  
B Yes  
C yes  
D Yes  
E yes

Ver introducción

VER RESPUESTA ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/2969618657/concepts/29605487950923

### 23. Quiz: Merging Coins Into Mas...

#### Merging Coins Into Master

SEND FEEDBACK

Current History Diagram

revert controls first coins commit helper fn coin collection ships on coins

fix screen typo ipad frame interval animation color

easy-mode

easy

which commits would appear in log for master?

Ver introducción

VER RESPUESTA ENVIAR RESPUESTA



classroom.udacity.com/courses/ud775/lessons/2969618657/concepts/29625086400923

Concept Map: branch, merge

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

Git

repository

init

clone

commit

log

diff

branch

merge

staging area

add

status

working directory

merge

branch

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/3105028581/concepts/30736788890923

Keeping Repositories in Sync

Syncing Repositories

local

GitHub

push

a

a3b

fd2

e53

6b4

a

a3b

Check the commits that will be sent

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

classroom.udacity.com/courses/ud775/lessons/3105028581/concepts/31546885350923

Concept Map: GitHub, Push, Pull, Remote

SEND FEEDBACK

Concept Map

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

github

Git

repository

clone

commit

remote

pull

branch

push

merge

pull

GitHub

remote

push

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

SIGUIENTE

Escribe aquí para buscar

classroom.udacity.com/courses/ud775/lessons/3105028581/concepts/30736789010923

Forking a Repository

SEND FEEDBACK

Clone, Branch, or Fork?

Local

branch

clone

Local

fork

GitHub

clone

GitHub

Local

Ver introducción

VER RESPUESTA

ENVIAR RESPUESTA

Escribe aquí para buscar



13. Quiz: Push Changes to the Re...

14. Reflect: Forks, Clones, and Bra...

15. Collaborations Cause Conflict

16. Quiz: Change the Chili Recipe

17. Sarah Changes the Chili Recipe

18. Quiz: Simulate Sarah's Changes

19. Quiz: Updating Local Copies of...

20. Quiz: Merging the Changes To...

21. Quiz: Fast-Forward Merges

22. Reflect: Local Copies of Remot...

23. Quiz: Making a Pull Request

24. Quiz: Updating a Pull Request

Push Changes to the Recipes Repository

SEND FEEDBACK

### 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"/>

[Ver introducción](#)

[VER RESPUESTA](#)[ENVIAR RESPUESTA](#)

WhatsApp Audi...mpeg

Mostrar todo

Escribe aquí para buscar

1:20 a.m.  
27/03/2020

21. Quiz: Fast-Forward Merges

22. Reflect: Local Copies of Remot...

23. Quiz: Making a Pull Request

24. Quiz: Updating a Pull Request

25. Reflect: Collaboration Using Gi...

26. Conflicting Changes

27. Quiz: Updating Your Local Rep...

28. Quiz: Merging a Pull Request

29. Quiz: Concept Map: Fork, Fet...

30. Interview with Brent Beer of G...

31. Reflect: When to Use a Separa...

32. Modifying the Adventure Repo...

Fast-Forward Merges

SEND FEEDBACK

### Fast-forward Merges

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

[Ver introducción](#)

[VER RESPUESTA](#)[ENVIAR RESPUESTA](#)

WhatsApp Audi...mpeg

Mostrar todo

Escribe aquí para buscar

1:36 a.m.  
27/03/2020

