

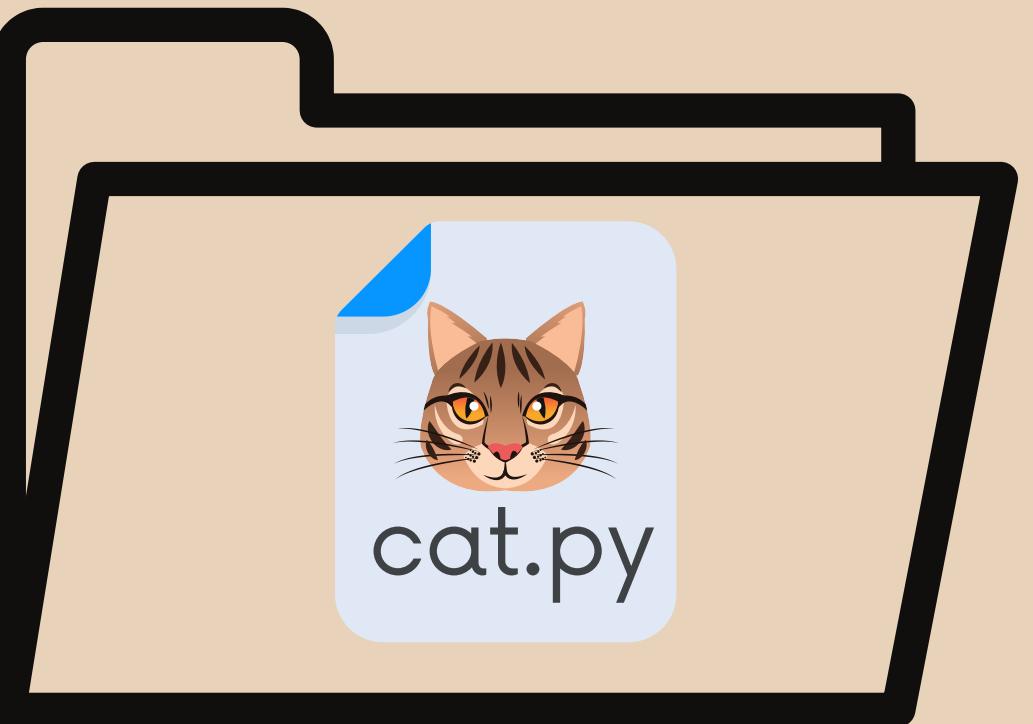
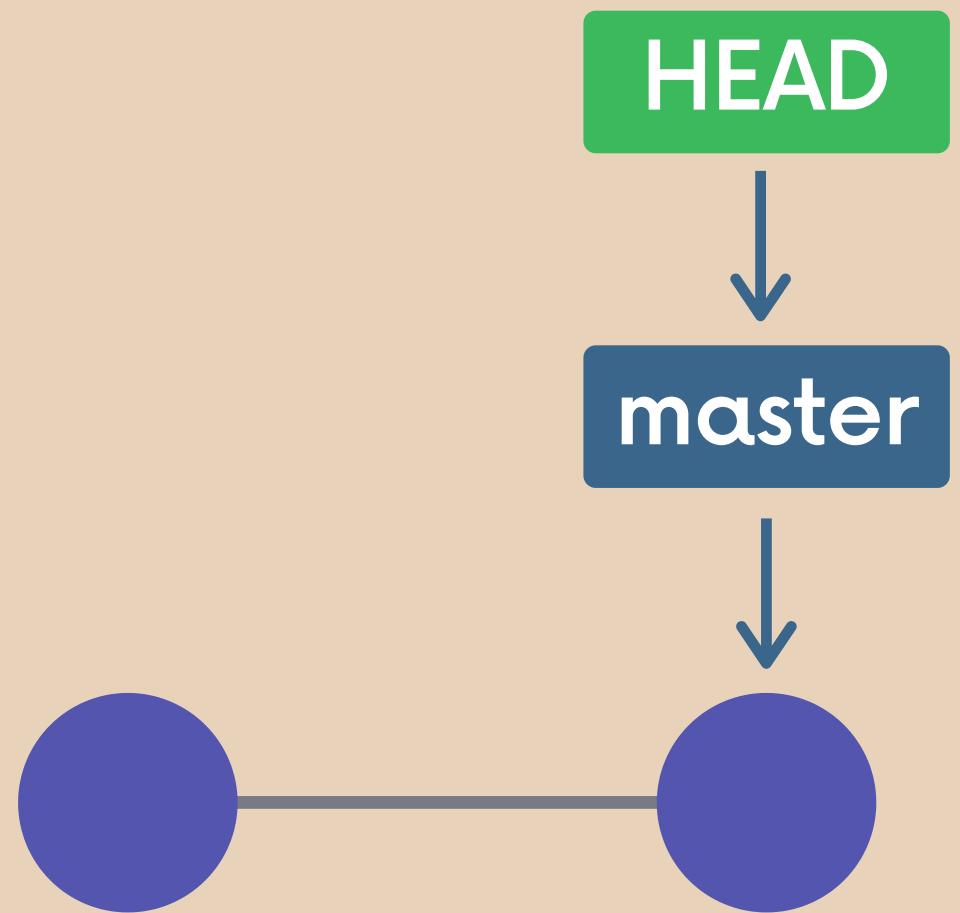
Git Stashing



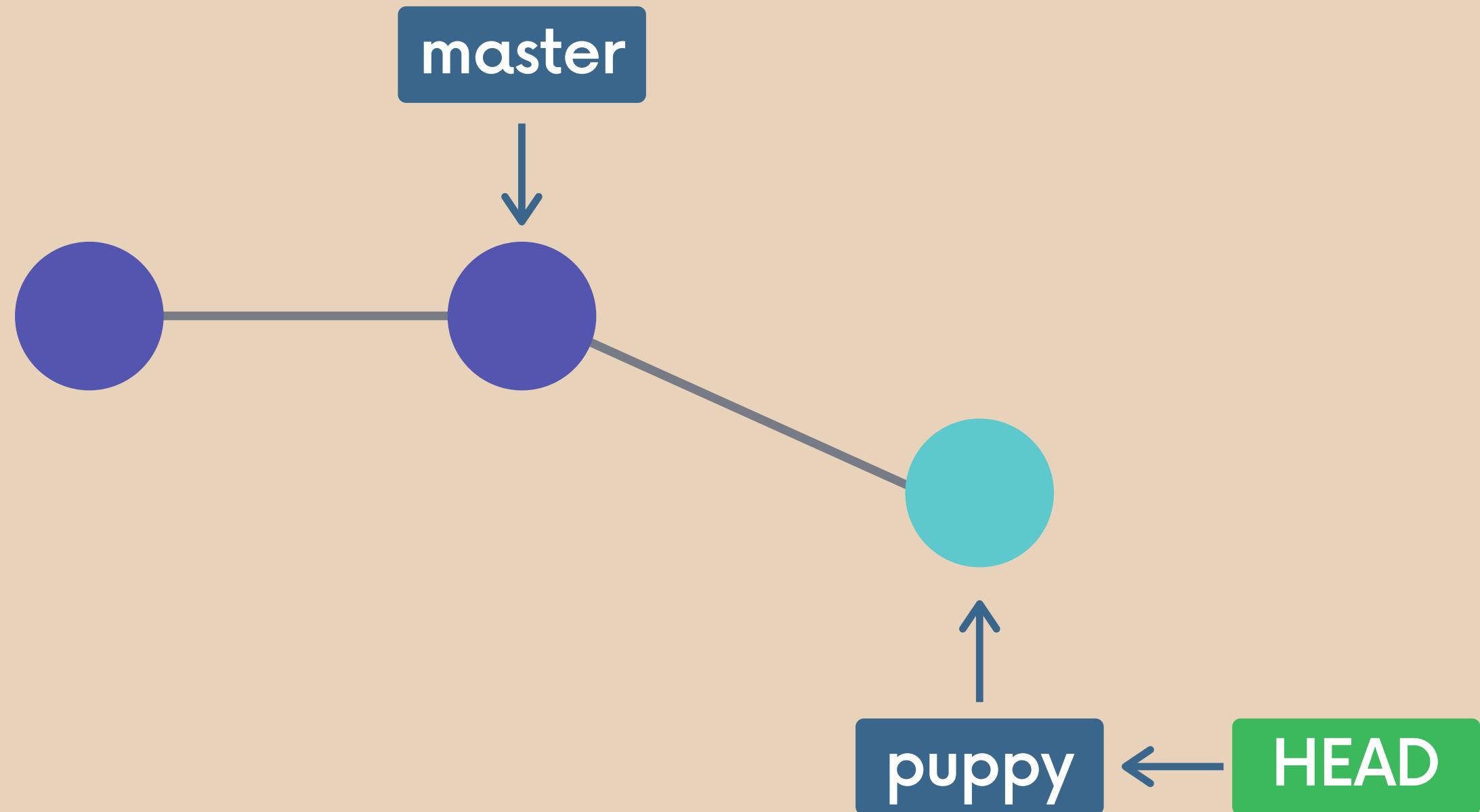
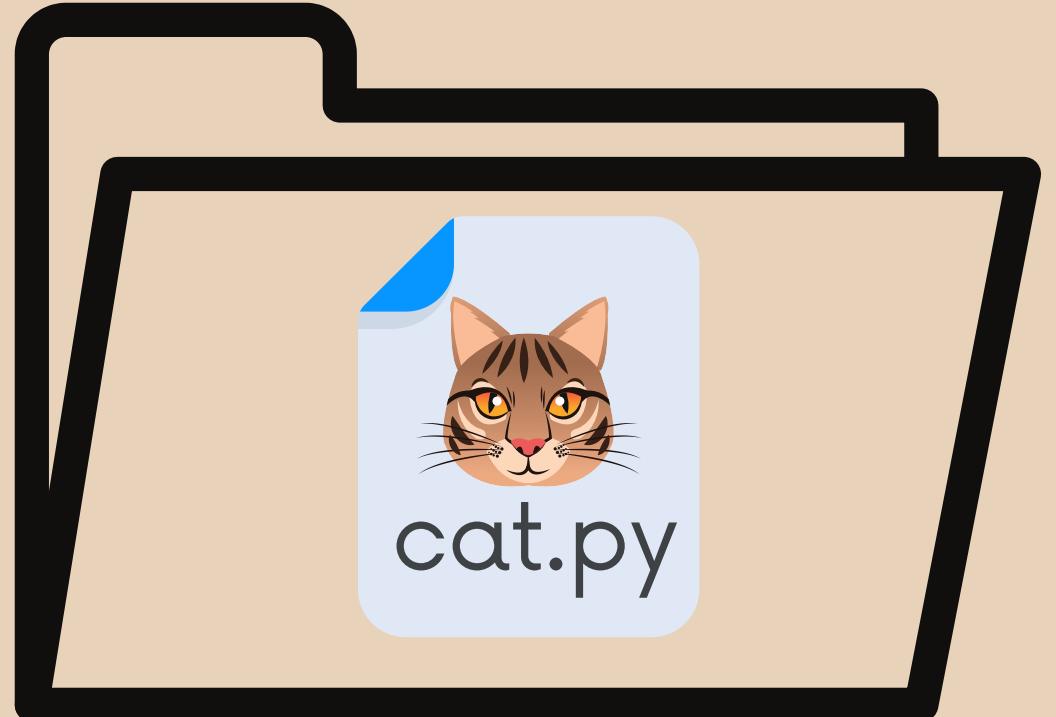


Imagine...

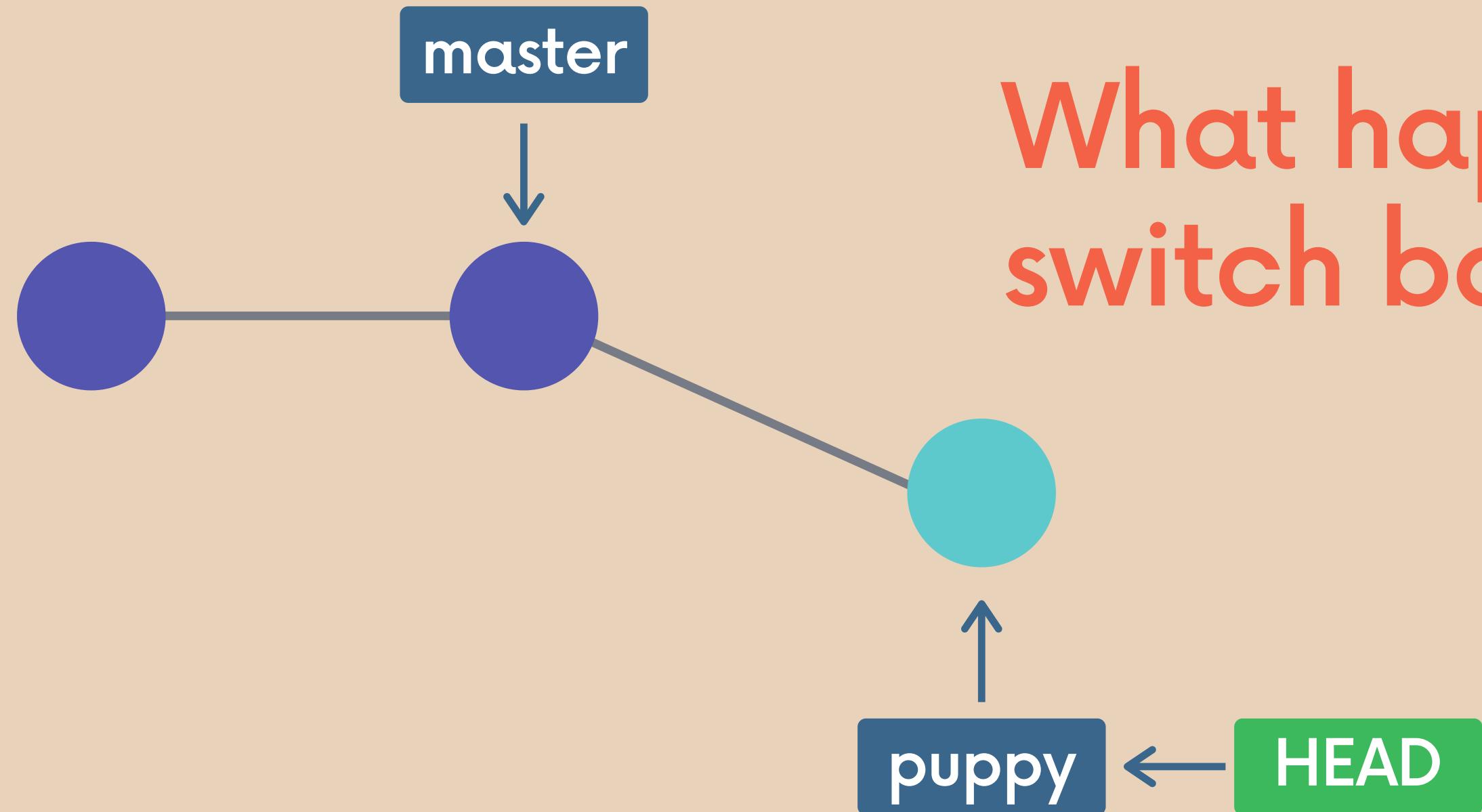
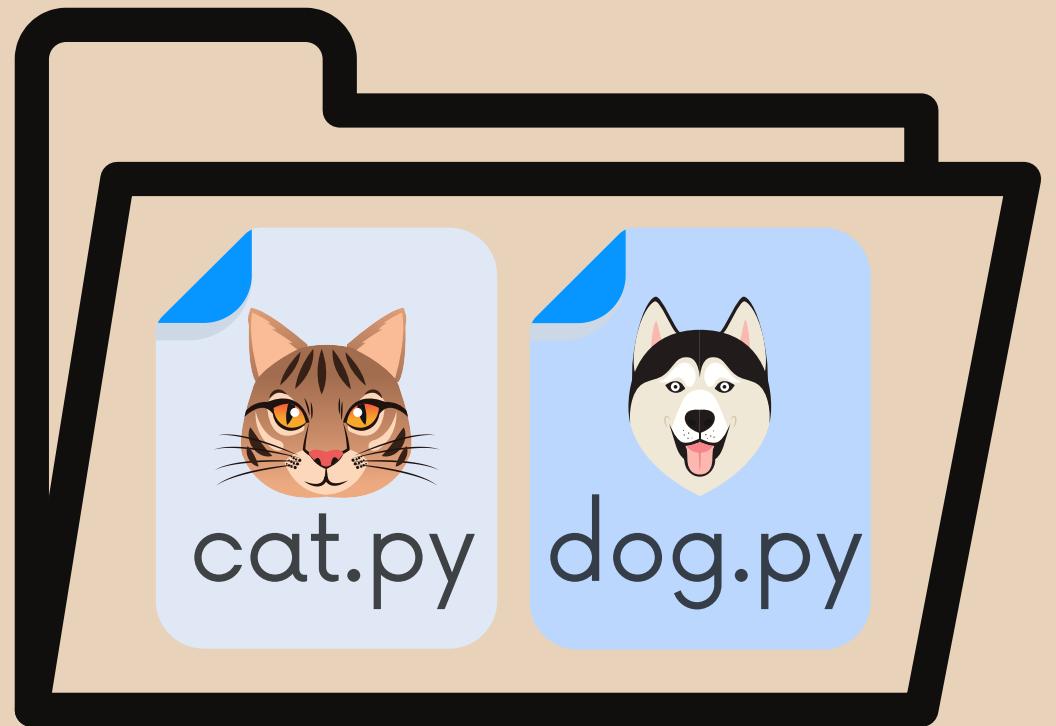
I'm on master



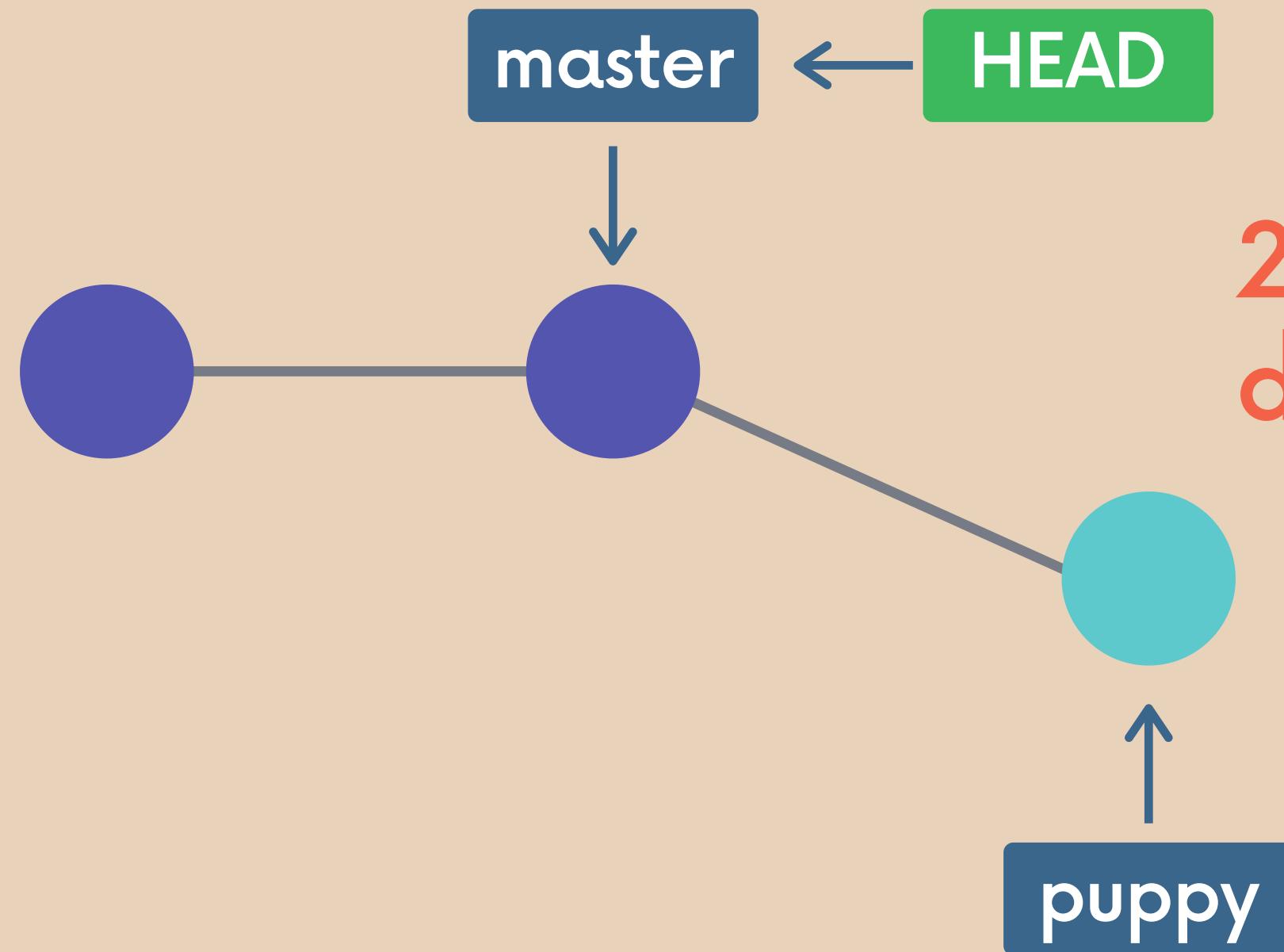
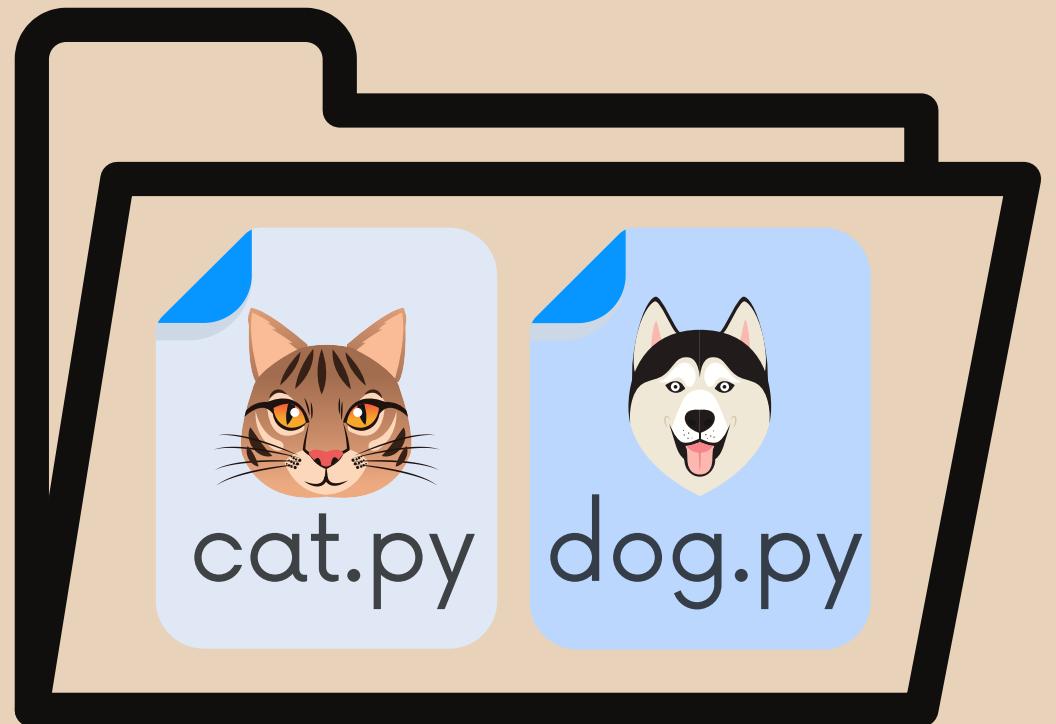
I make a new branch and switch to it



I do some new work, but don't make any commits



1. My changes come with me
to the destination branch



2. Git won't let me switch if it
detects potential conflicts



Stashing

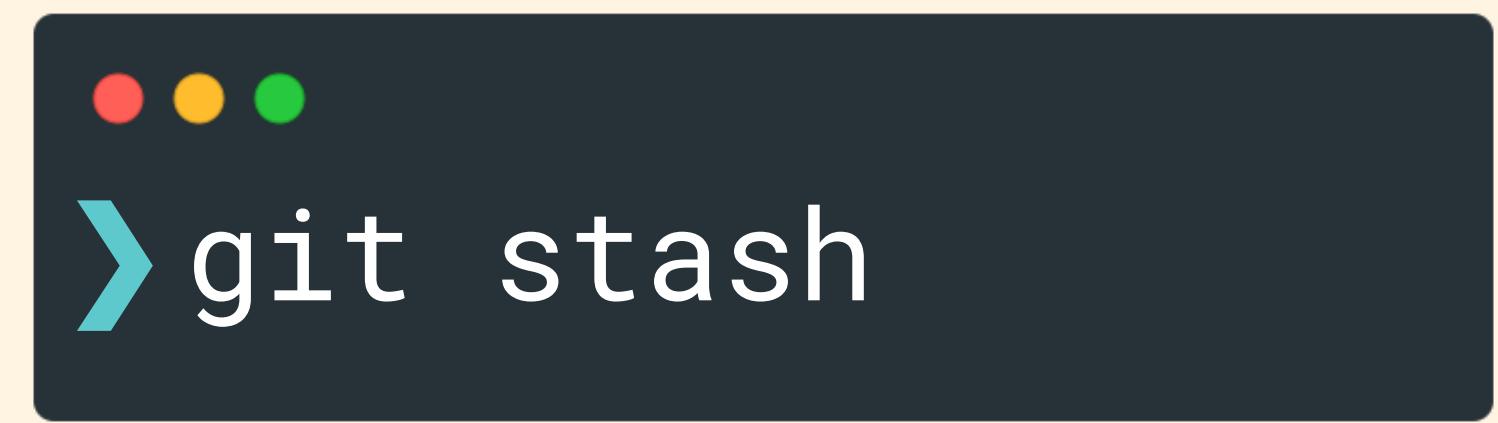
Git provides an easy way of stashing these uncommitted changes so that we can return to them later, without having to make unnecessary commits.



Git Stash

`git stash` is super useful command that helps you save changes that you are not yet ready to commit. You can stash changes and then come back to them later.

Running `git stash` will take all uncommitted changes (staged and unstaged) and stash them, reverting the changes in your working copy.



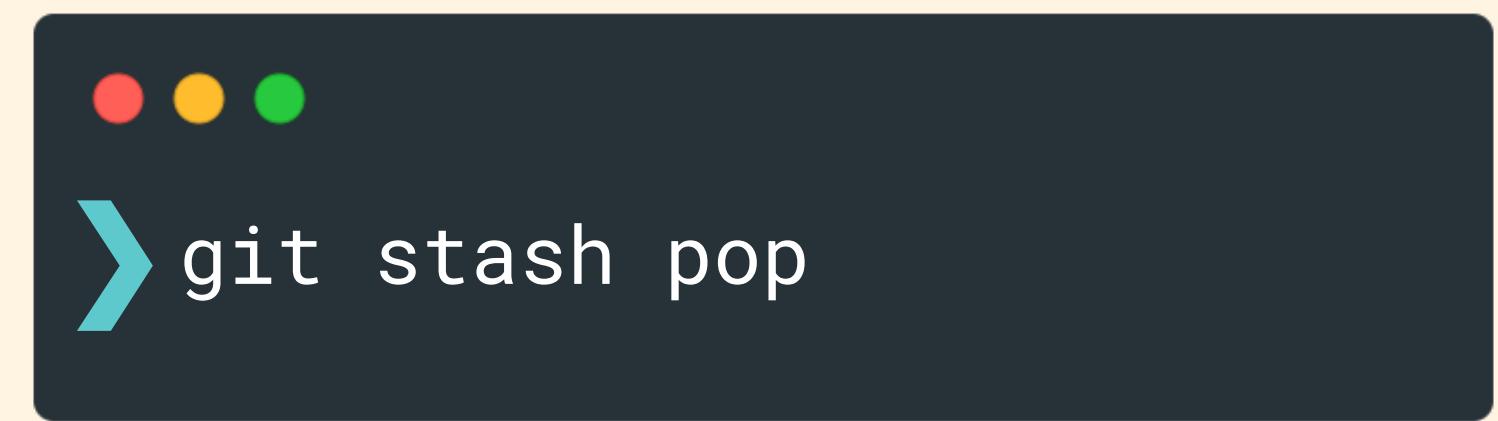
You can also use `git stash save` instead





Stashing

Use **git stash pop** to remove the most recently stashed changes in your stash and re-apply them to your working copy.



Branch: bugfix

Working Directory

modified nav.css

modified nav.js

Staging Area

modified index.js

created footer.js

Repository

0026739

bb43f1f

I'm working away on fixing a bug,
but then...



A close-up photograph of a man with dark hair and brown eyes, wearing black-rimmed glasses and a light blue shirt with a dark tie. He is holding a white rectangular card in front of his face with both hands. The word "HELP!" is printed in large, bold, black capital letters on the card. The background is slightly blurred, showing shelves with books or files.

HELP!

Hey, can you take a look at what I merged into master and make sure I didn't screw up everything?

?

?

?

Branch: bugfix

Working Directory

modified nav.css

modified nav.js

Staging Area

modified index.js

created footer.js

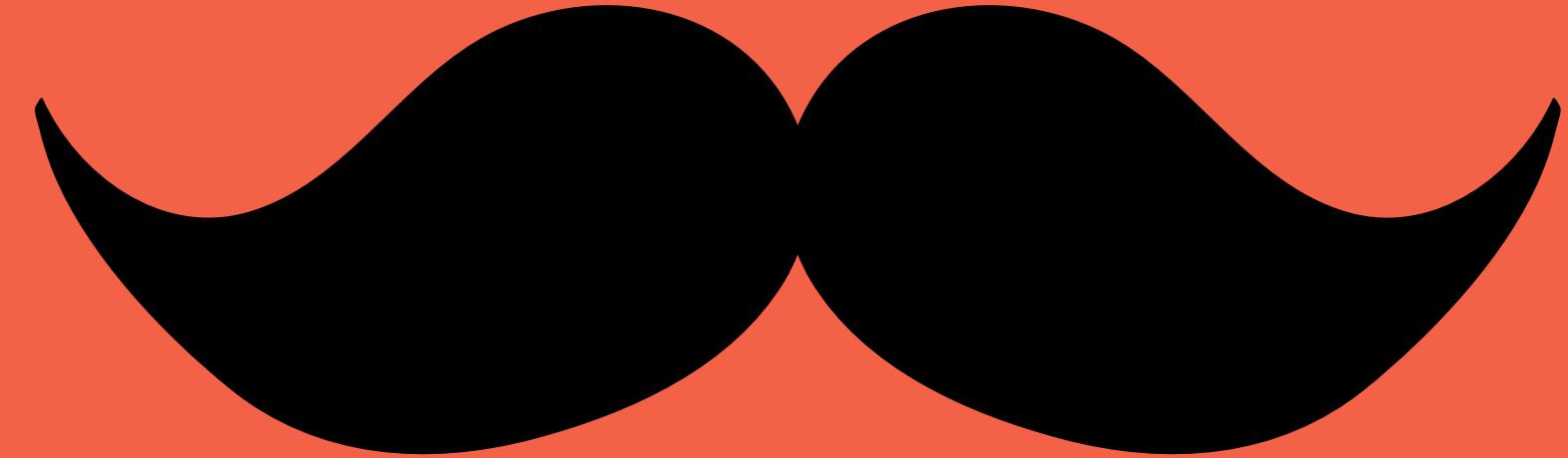
Repository

0026739

bb43f1f

I'm not at all ready to commit these changes, but I also don't want to take them with me to master...

I Can
Stash Them!



Branch: bugfix

Working Directory

All of my uncommitted
changes have been
stashed away!

Staging Area

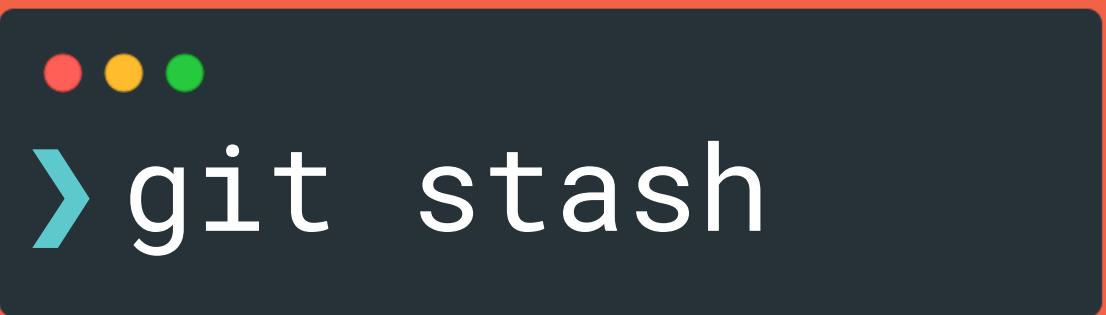
The Stash



Repository

0026739

bb43f1f



Branch: bugfix

Working Directory

All of my uncommitted
changes have been
stashed away!

Staging Area

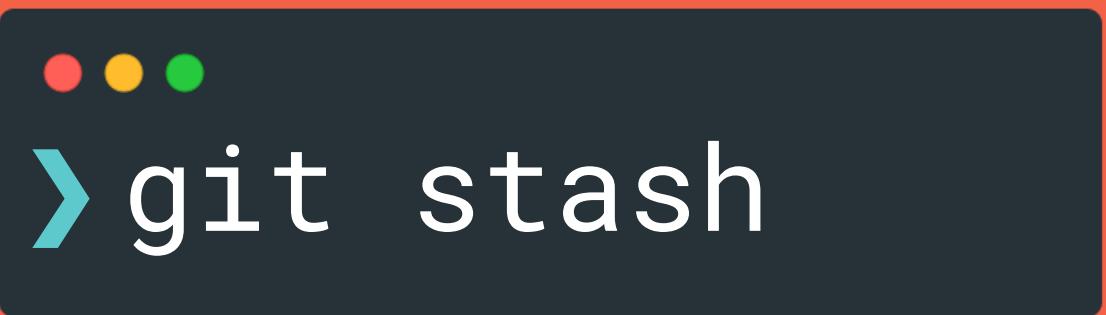
The Stash



Repository

0026739

bb43f1f



Stashing

Now that I have stashed my changes, I can switch branches, create new commits, etc.

I head over to master and take a look at my coworker's changes.

When I'm done, I can re-apply the changes I stashed away at any point

Branch: bugfix

Working Directory

modified nav.css

modified nav.js

My stashed changes are restored!

Staging Area

modified index.js

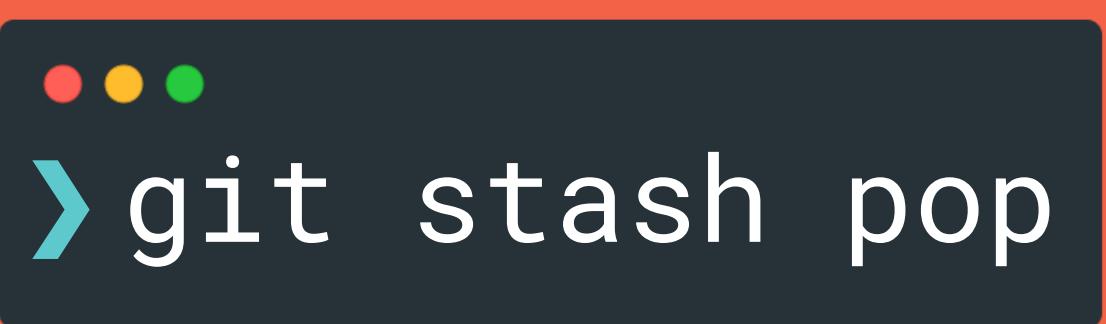
created footer.js

The Stash

Repository

0026739

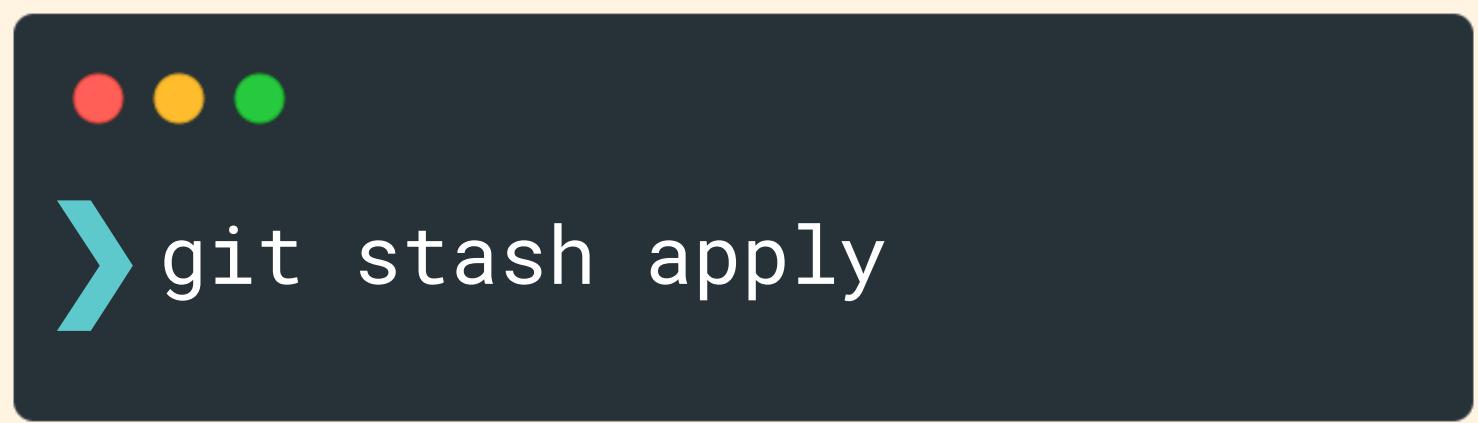
bb43f1f





Stash Apply

You can use **git stash apply** to apply whatever is stashed away, without removing it from the stash. This can be useful if you want to apply stashed changes to multiple branches.



Branch: bugfix

Working Directory

modified nav.css

modified nav.js

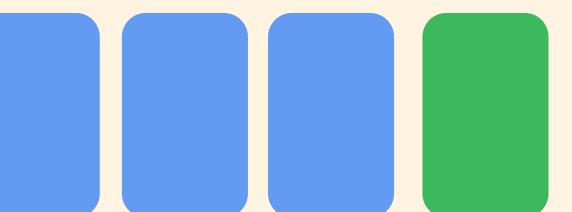
My stashed changes are restored!

Staging Area

modified index.js

created footer.js

The Stash



Repository

0026739

bb43f1f

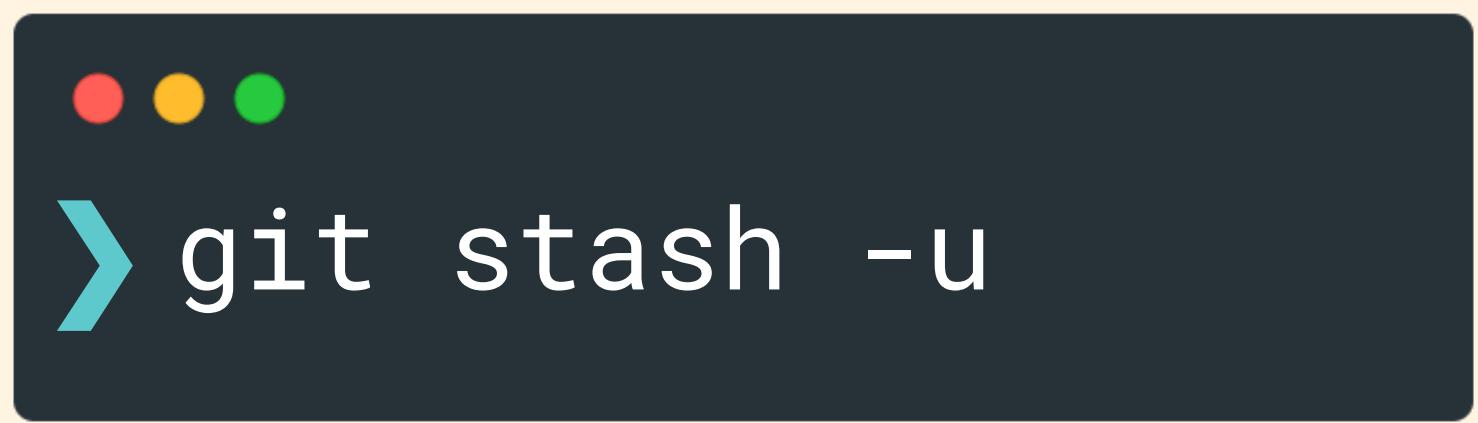
```
> git stash apply
```



Heads Up!

If you have untracked files (files that you have never checked in to Git), they will not be included in the stash.

Fortunately, you can use the `-u` option to tell git stash to include those untracked files.



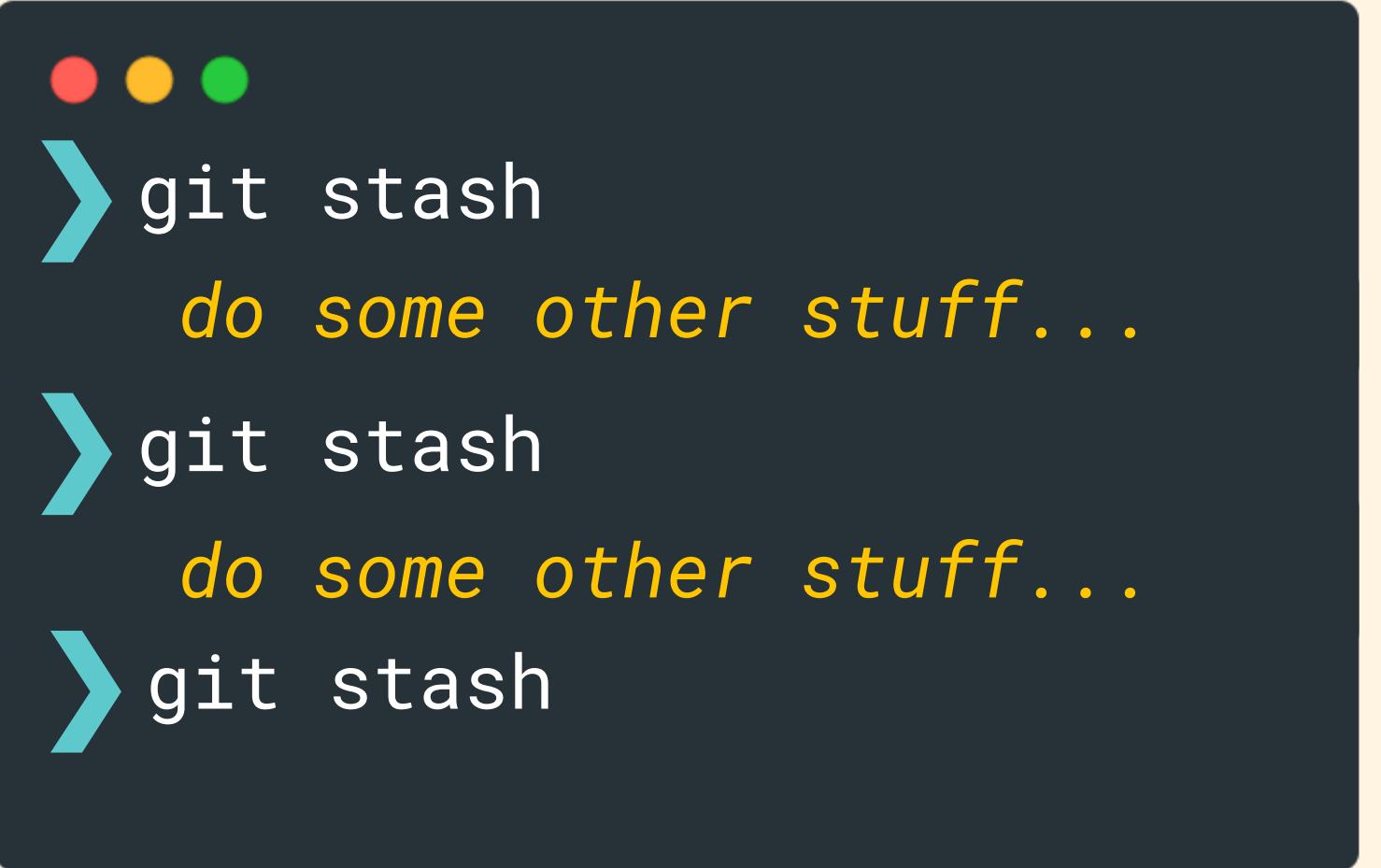
```
git stash -u
```





Stashing Multiple Times

You can add multiple stashes onto the stack of stashes. They will all be stashed in the order you added them.



```
git stash
do some other stuff...
git stash
do some other stuff...
git stash
```



Viewing Stashes

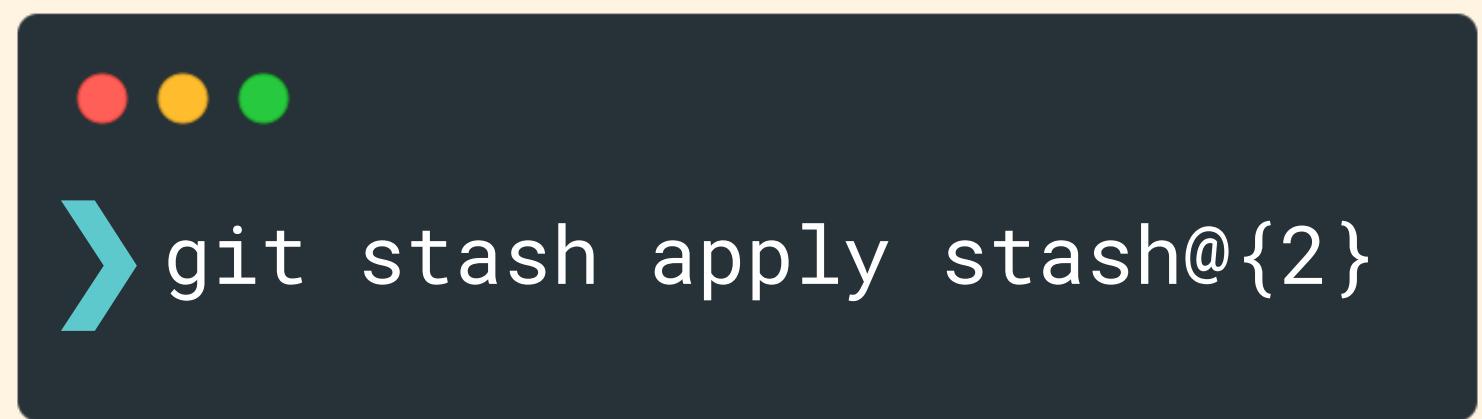
run `git stash list` to view all stashes

```
❯ git stash list
stash@{0}: WIP on master: 049d078 Create index file
stash@{1}: WIP on master: c264051 Revert "Add file_size"
stash@{2}: WIP on master: 21d80a5 Add number to log
```



Applying Specific Stashes

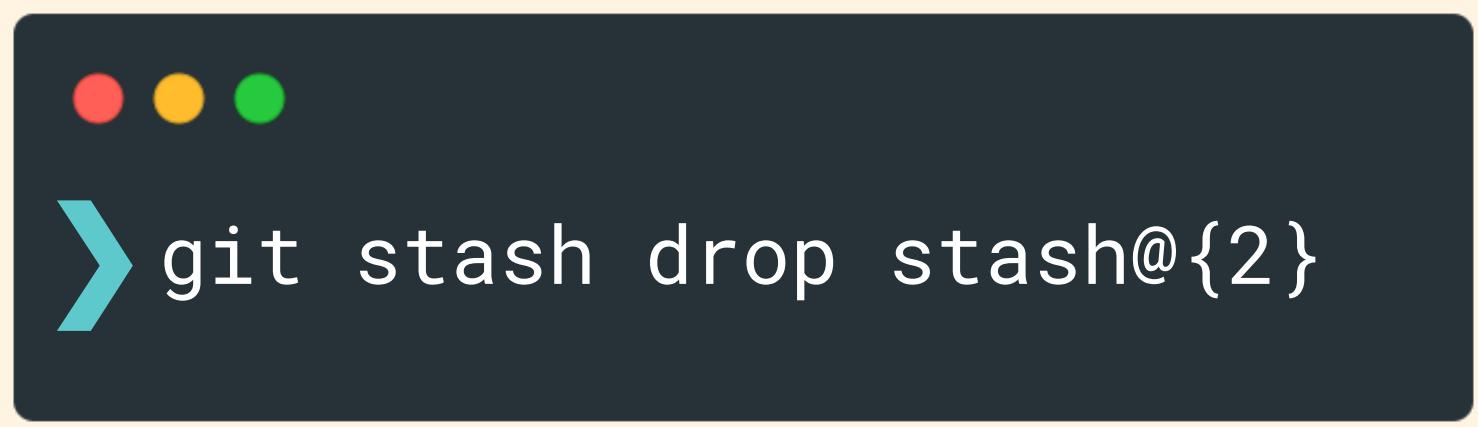
git assumes you want to apply the most recent stash when you run `git stash apply`, but you can also specify a particular stash like `git stash apply stash@{2}`





Dropping Stashes

To delete a particular stash, you can use
`git stash drop <stash-id>`



A dark-themed terminal window icon with three colored dots (red, yellow, green) at the top. To the right of the dots is a teal arrow pointing right, followed by the command text.

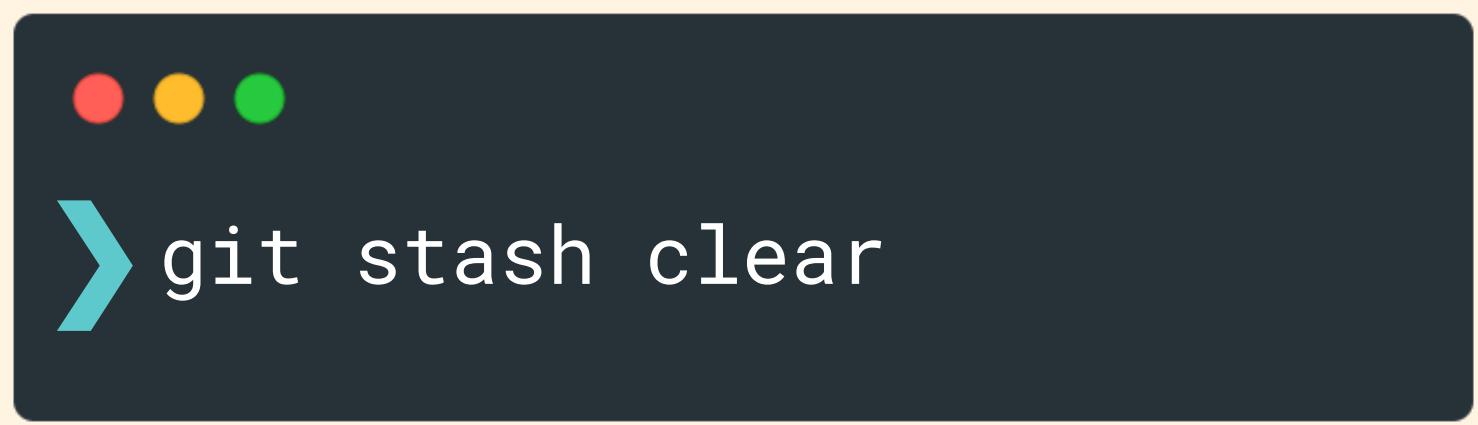
```
git stash drop stash@{2}
```





Clearing The Stash

To clear out all stashes, run **git stash clear**



Do I Really Need This?

99% of the time, I just use `git stash` and `git stash pop`.
Just my personal experience, YMMV!

