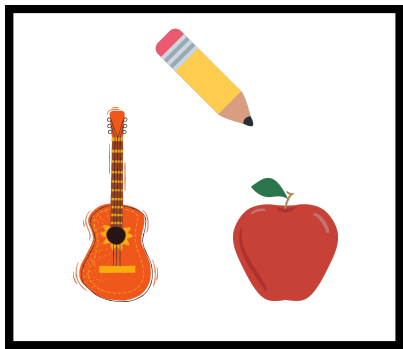


# Cours sur GIT



**Local**

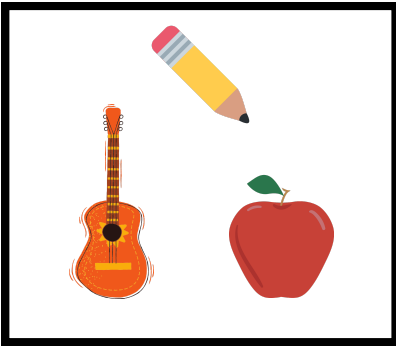


**User\_1**

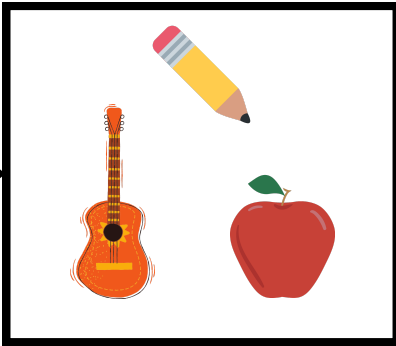
**git add .**



**Local**



**Staged**

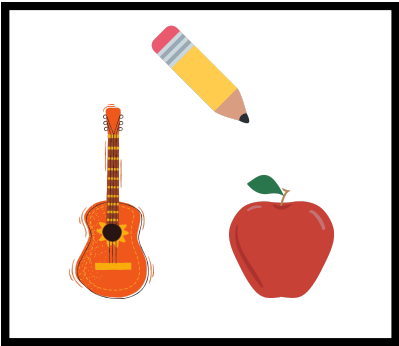


**User\_1**

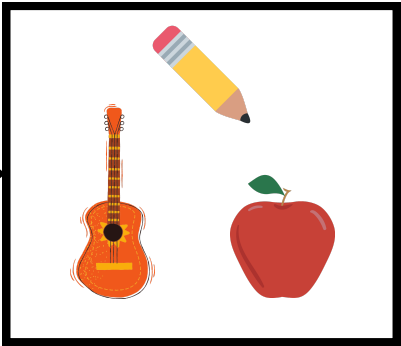
**git add .**



**Local**



**Staged**

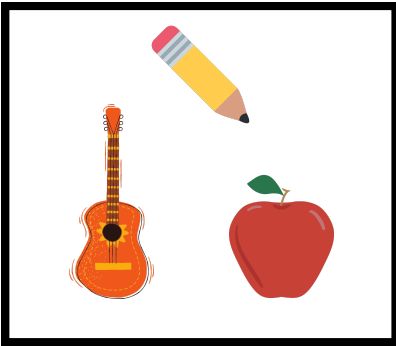


**User\_1**

**git reset .**



**Local**



**Staged**

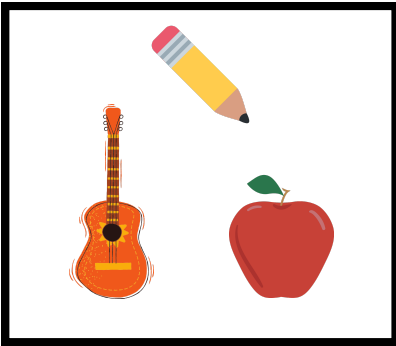


**User\_1**

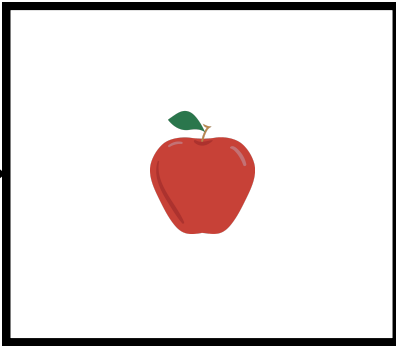
**git reset .**



**Local**



**Staged**

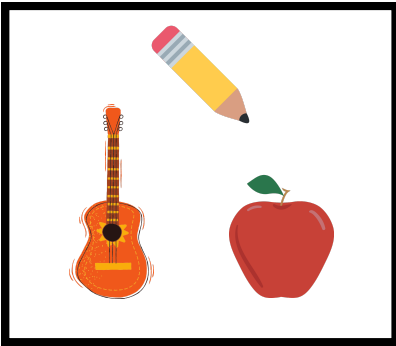


**User\_1**

**git add apple**



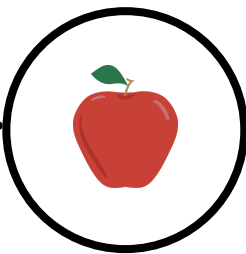
**Local**



**Staged**



**User\_1**

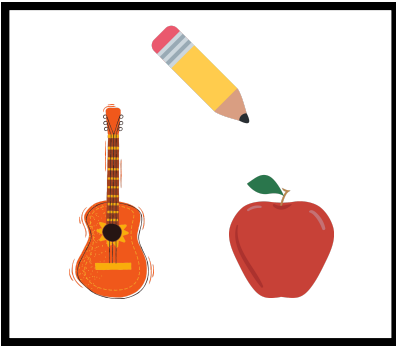


**Commit**

**git commit**



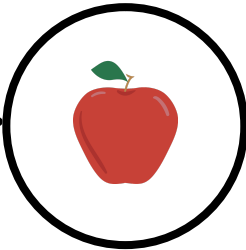
**Local**



**Staged**



**User\_1**



**Commit**

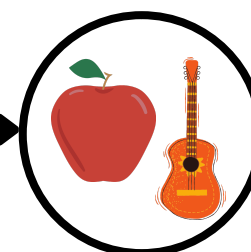
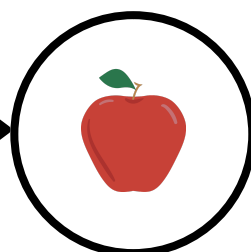
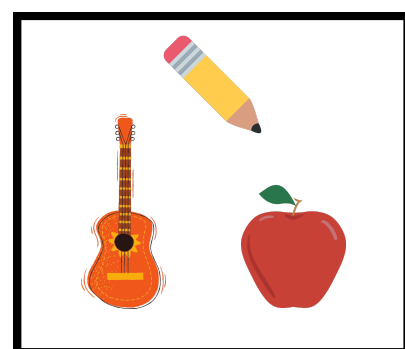
**git add guitar**





## Local

# Staged



# User\_1

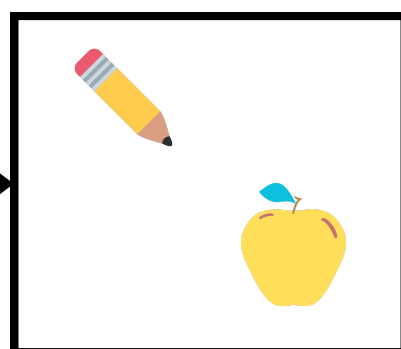
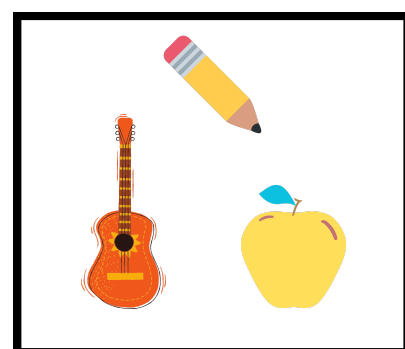
## Commit

## git commit

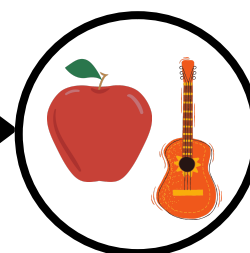
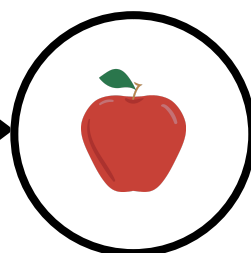


## Local

## Staged

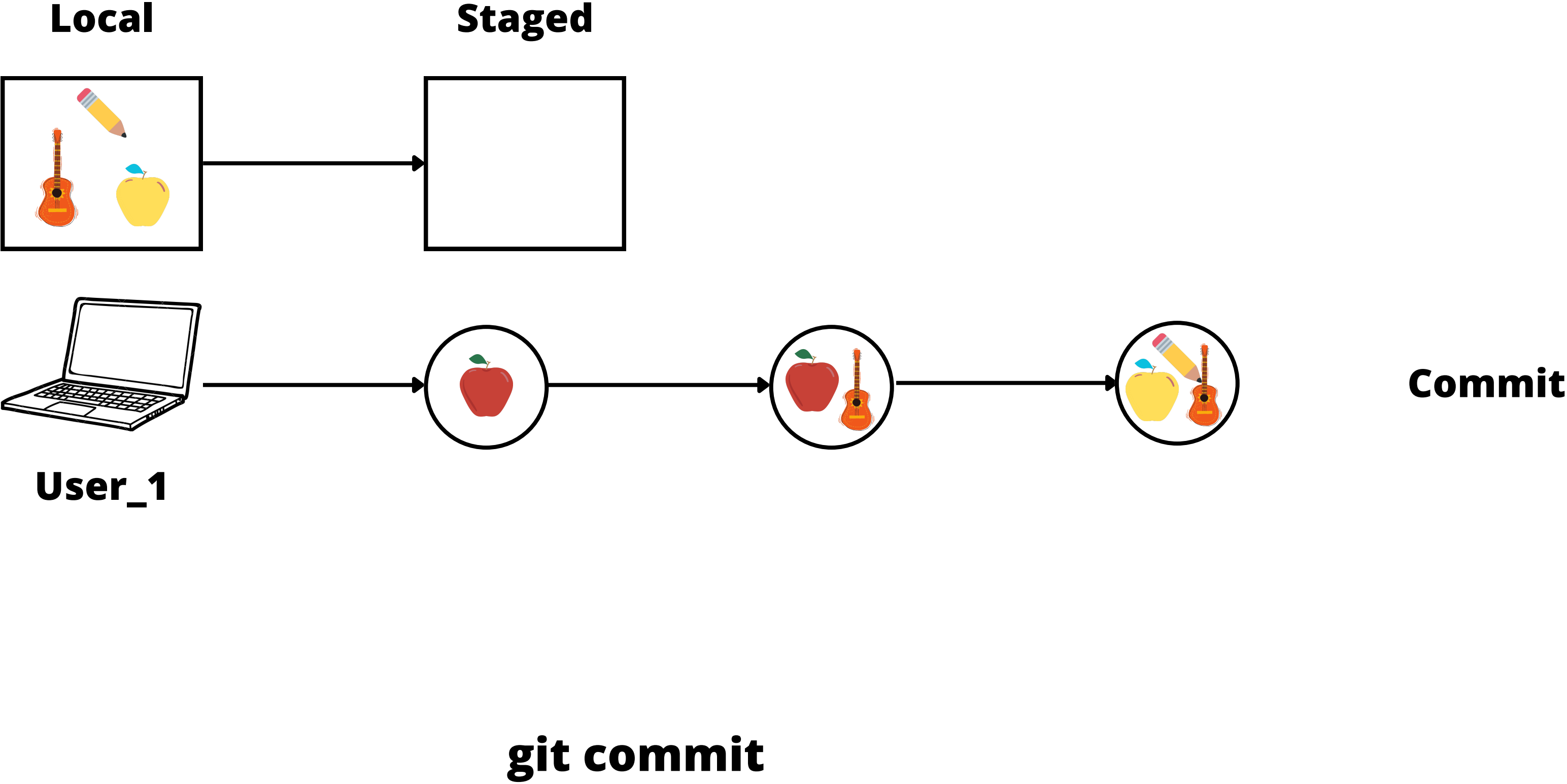


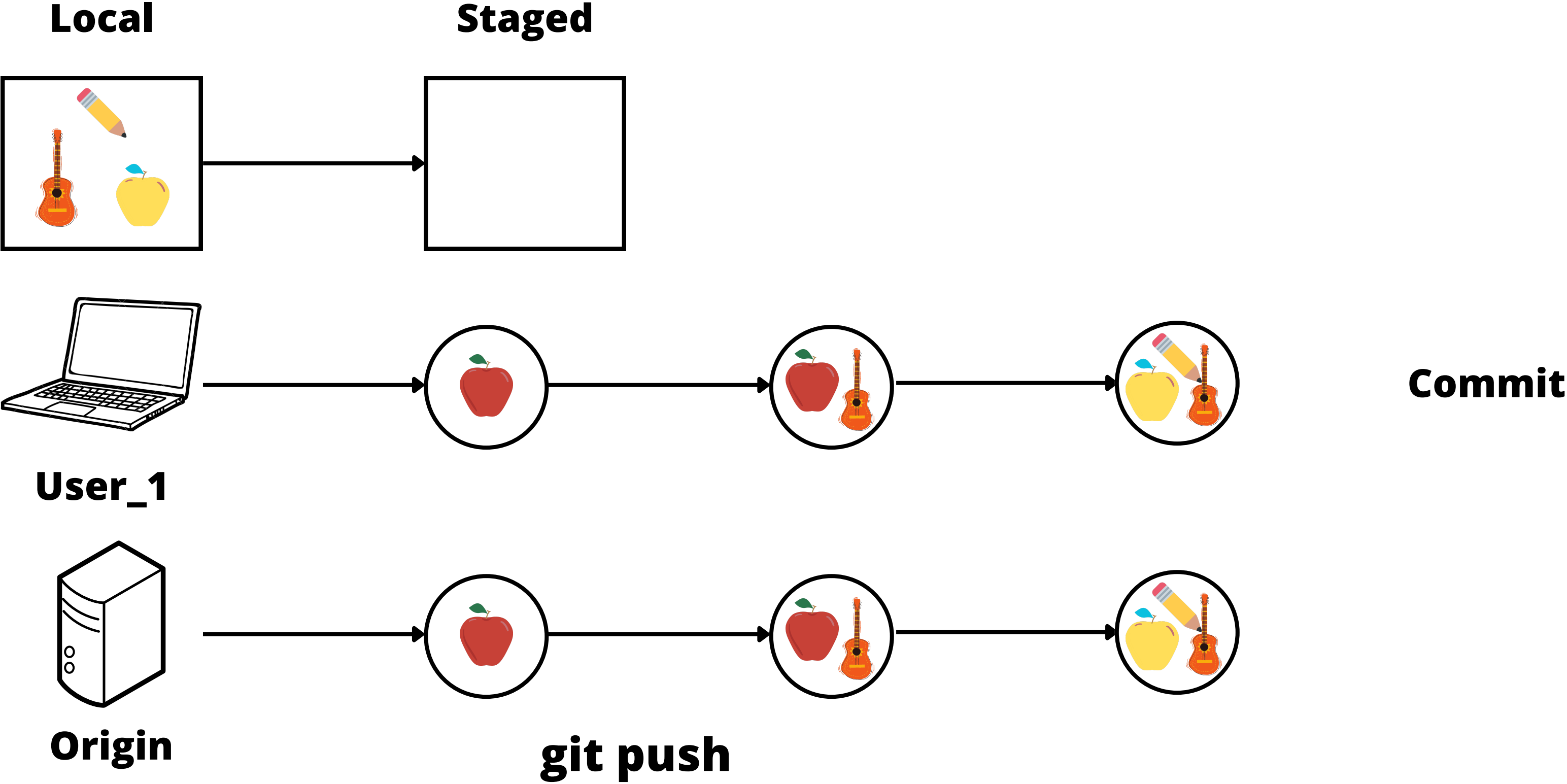
# User\_1



## Commit

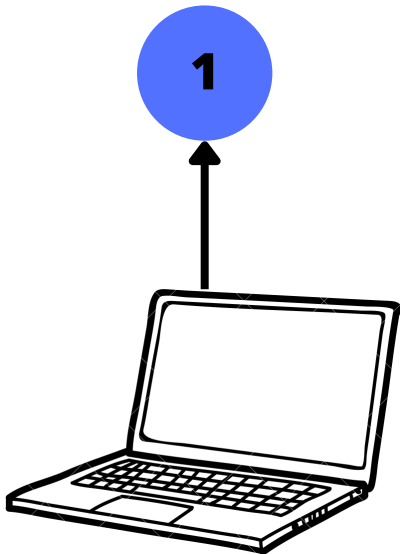
# git add .



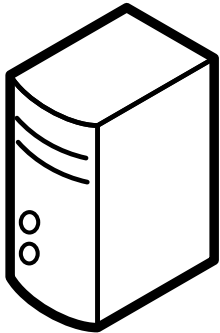




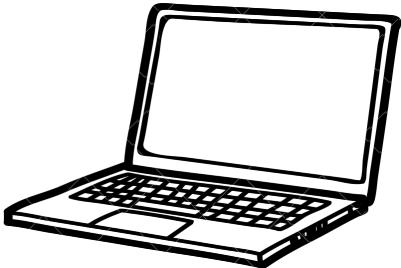
**git commit**



**User\_1**



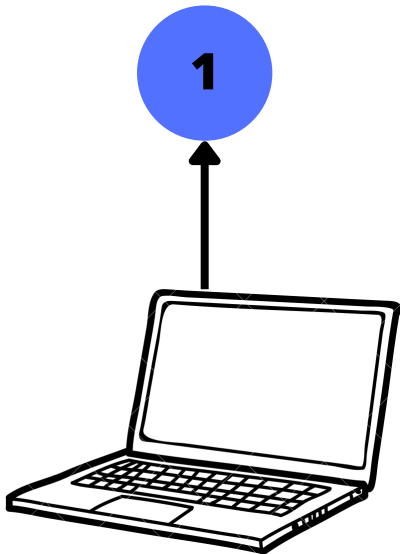
**Origin**



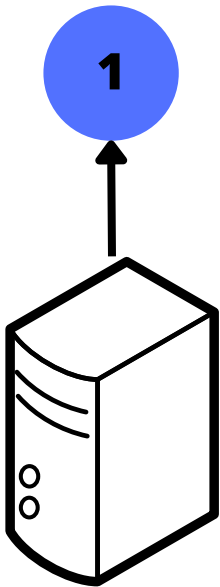
**User\_2**



**git commit**  
**git push**



**User\_1**



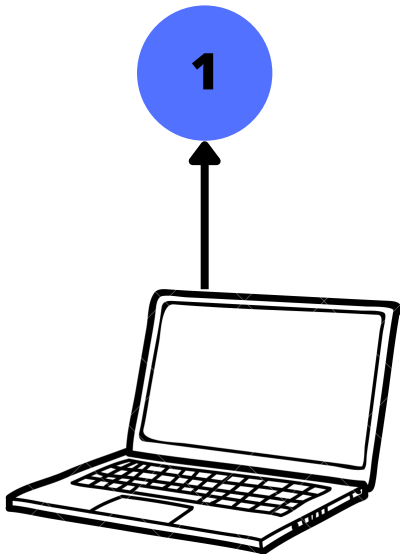
**Origin**



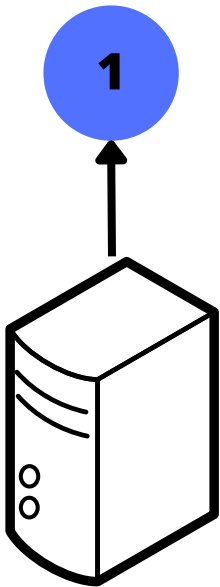
**User\_2**



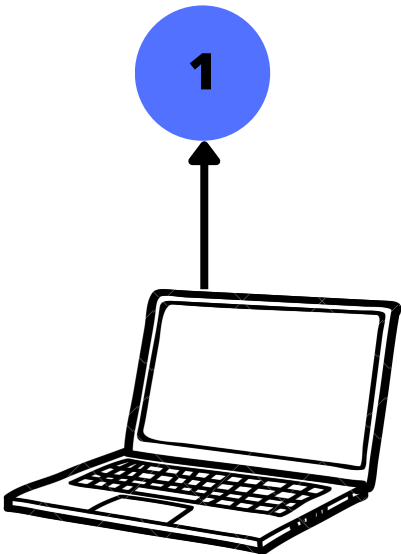
**git commit**  
**git push**  
**git pull**



**User\_1**



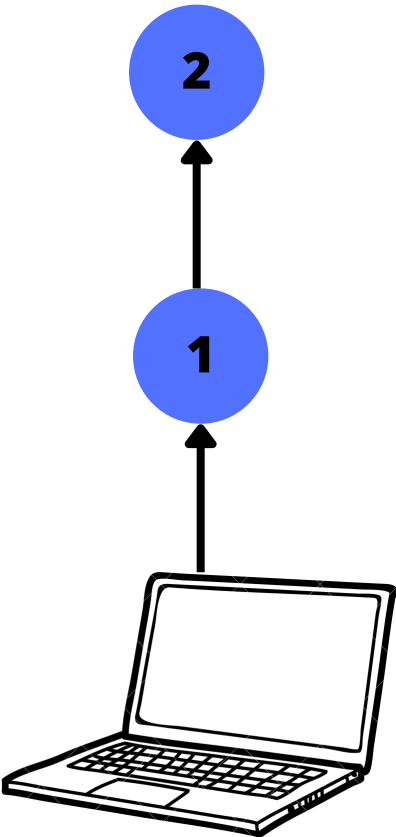
**Origin**



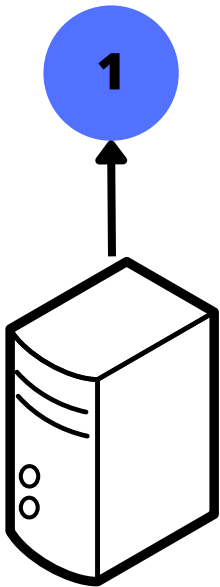
**User\_2**



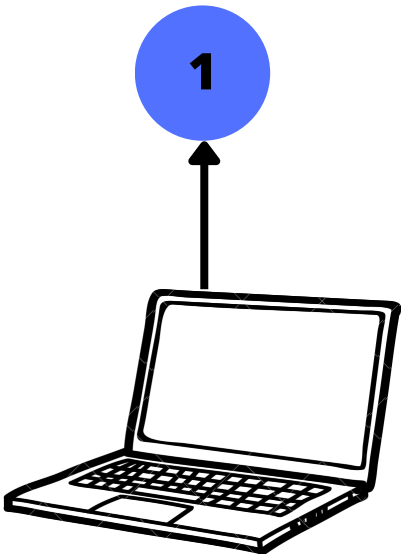
git commit



User\_1



Origin

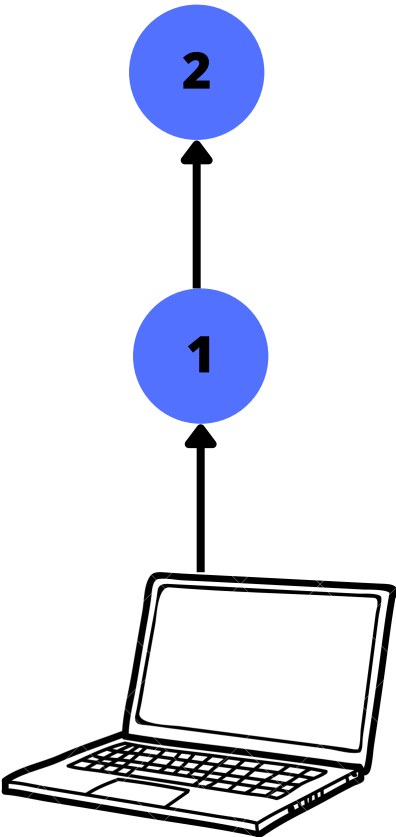


User\_2

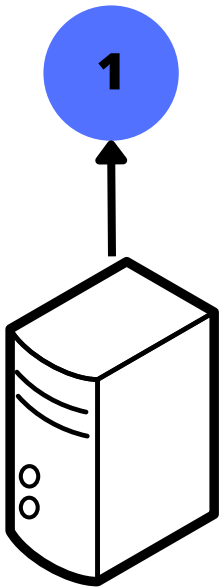




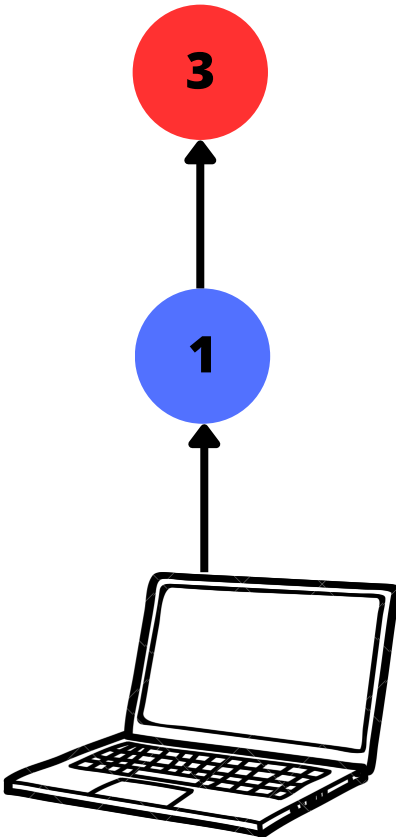
git commit  
git commit



User\_1



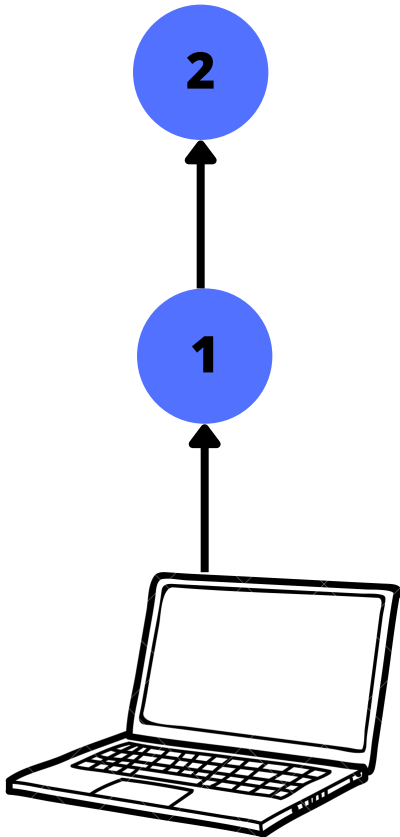
Origin



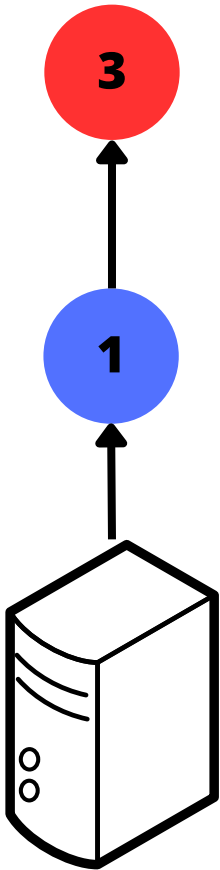
User\_2



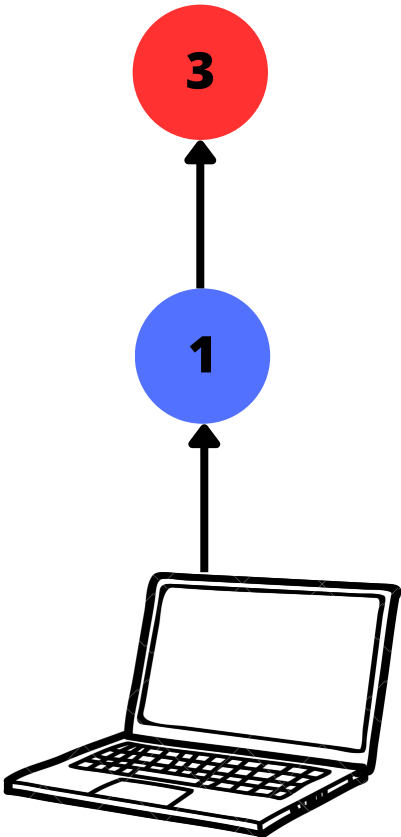
**git commit**  
**git commit**  
**git push**



**User\_1**



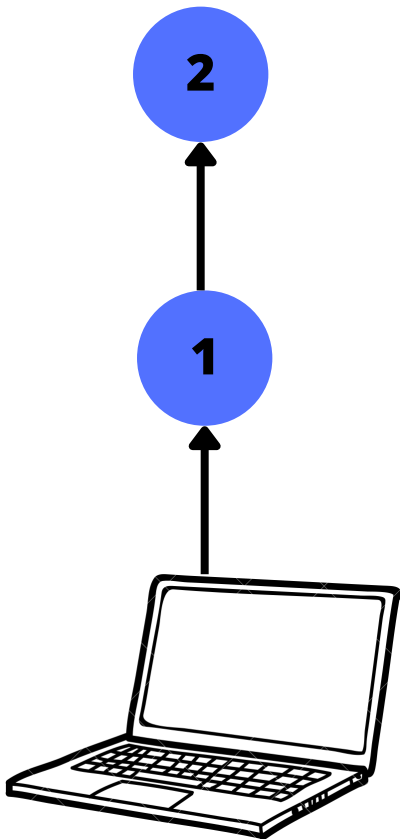
**Origin**



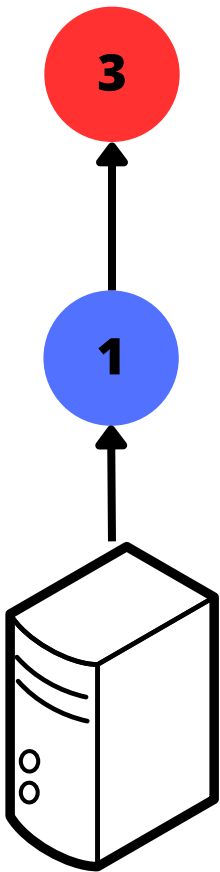
**User\_2**



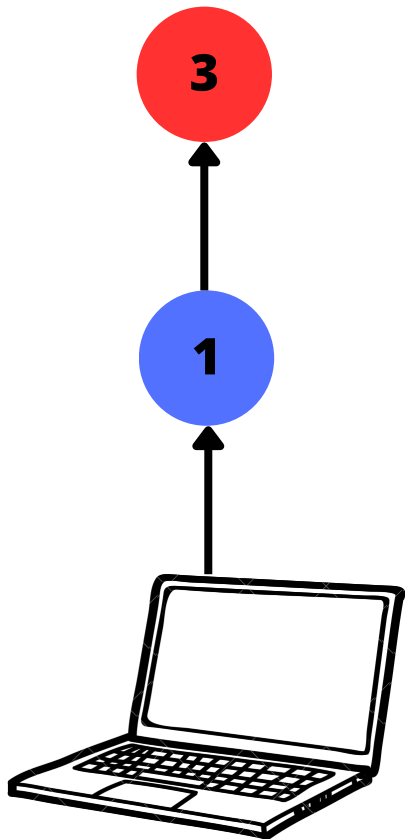
git commit  
git commit  
git push  
git push



User\_1



Origin



User\_2

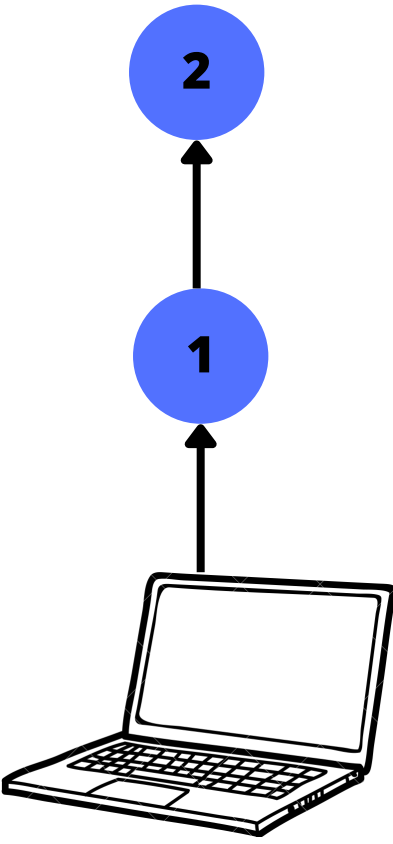


**git commit**

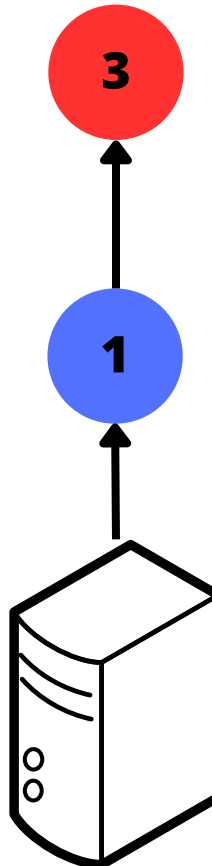
**git commit**

**git push**

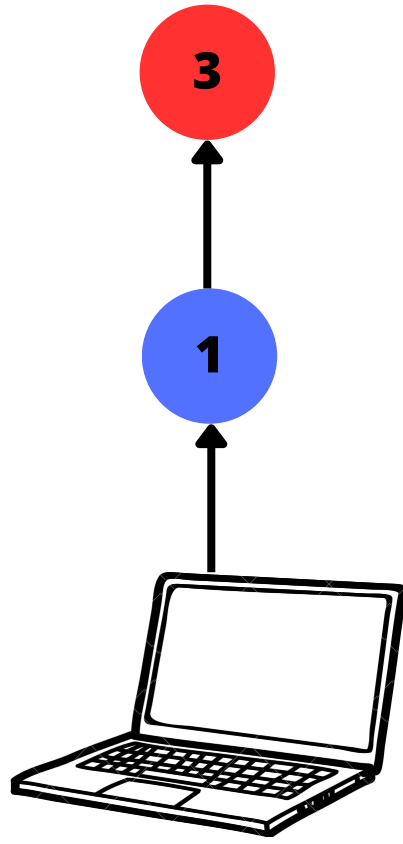
**git push** 



**User\_1**



**Origin**

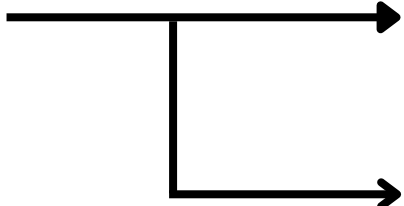


**User\_2**



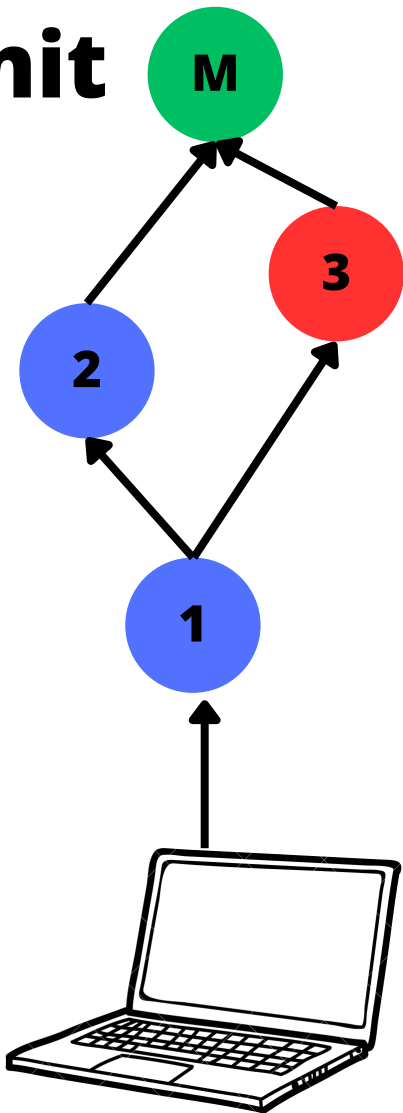
**git commit**  
**git commit**  
**git push**  
**git push** ❌

**git pull**

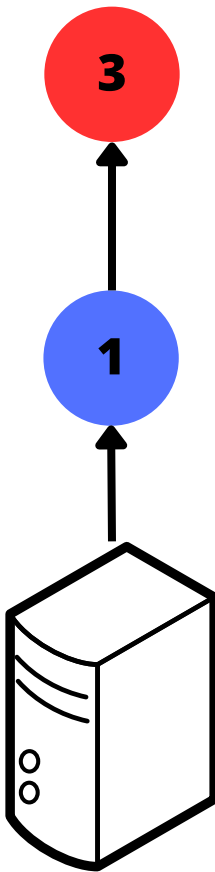


**Auto merge success !**  
**Auto merge fail ! do it yourself !**

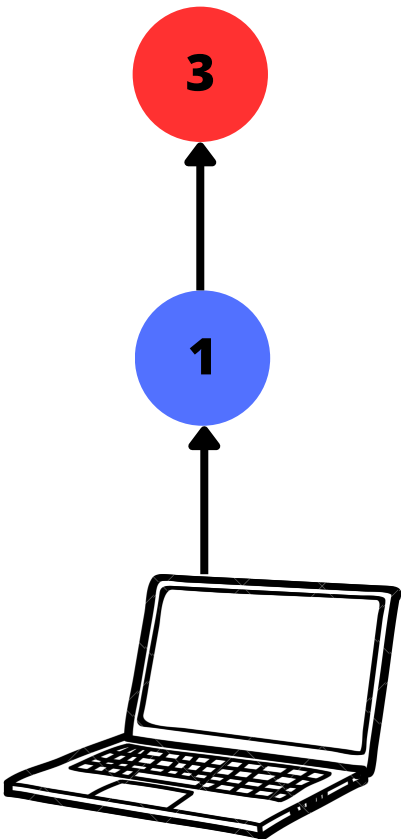
**Merge commit**



**User\_1**



**Origin**



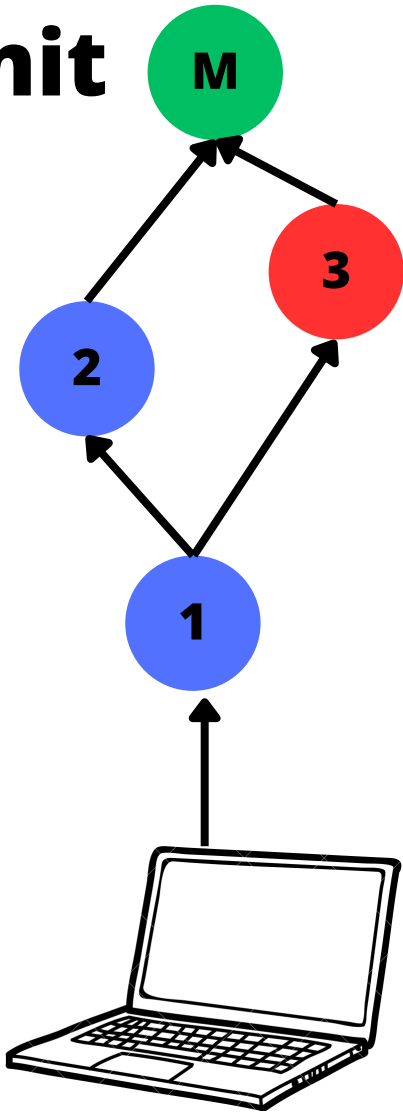
**User\_2**



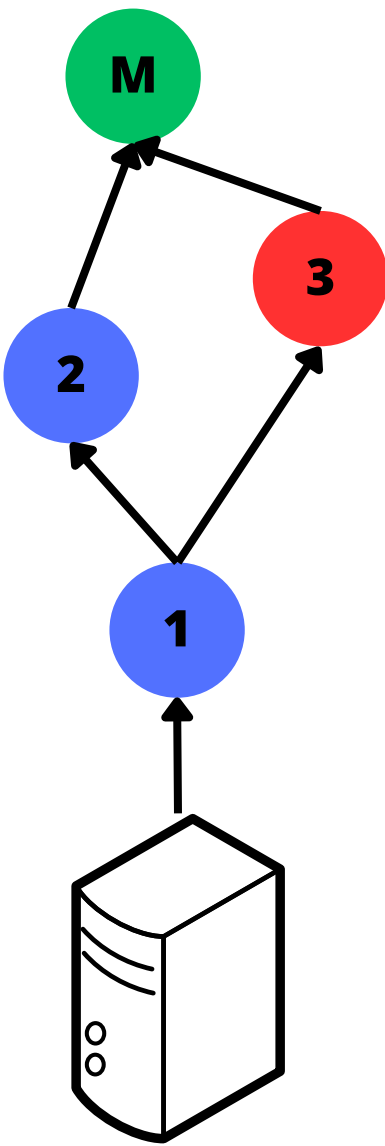
**git commit**  
**git commit**  
**git push**  
**git push** ❌

**git pull**  
**git add (if fail)**  
**git commit (if fail)**  
**git push**

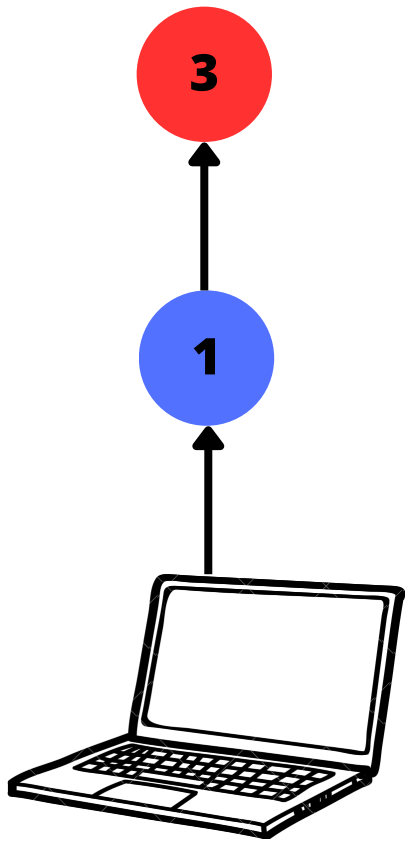
**Merge commit**



**User\_1**



**Origin**



**User\_2**



**git pull**

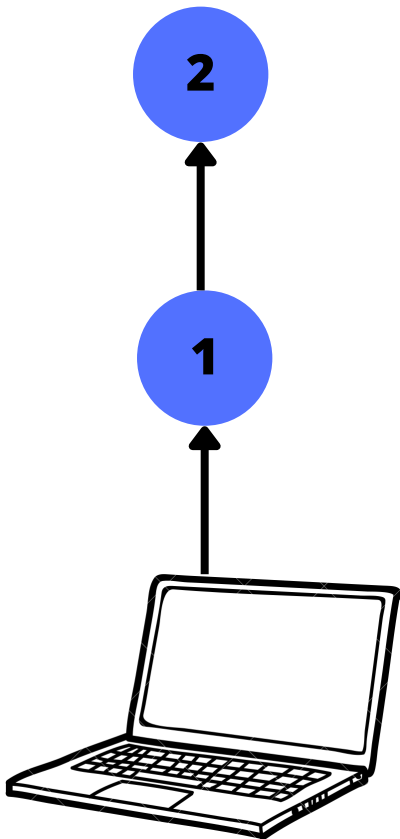


**git fetch**

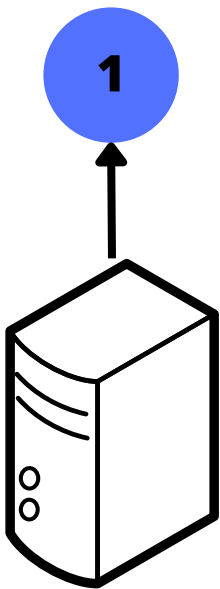
**git merge FETCH\_HEAD**



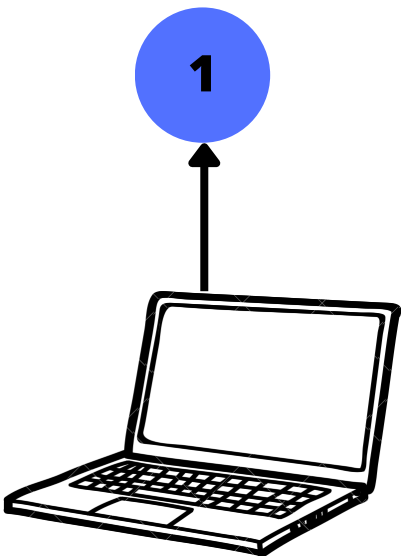
git commit



User\_1



Origin

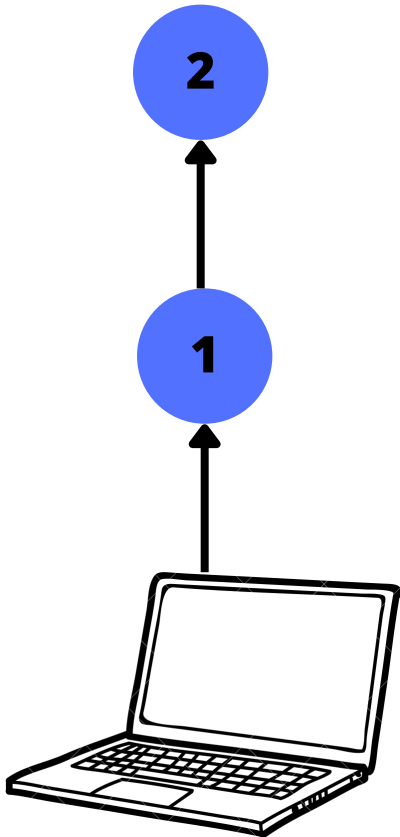


User\_2

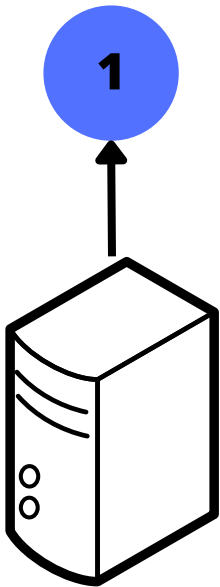




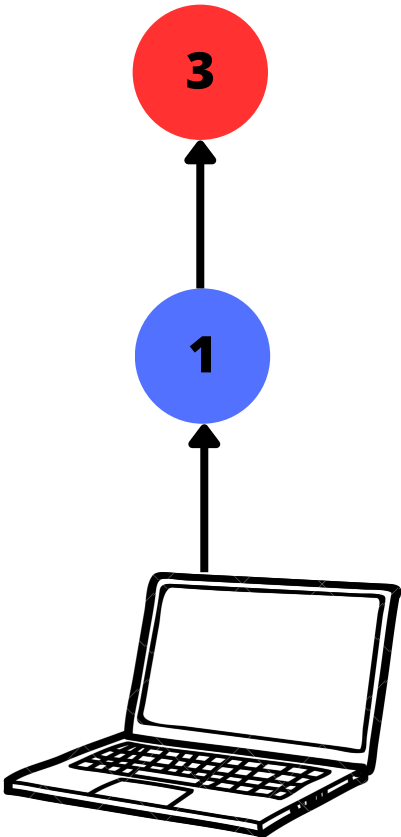
git commit  
git commit



User\_1



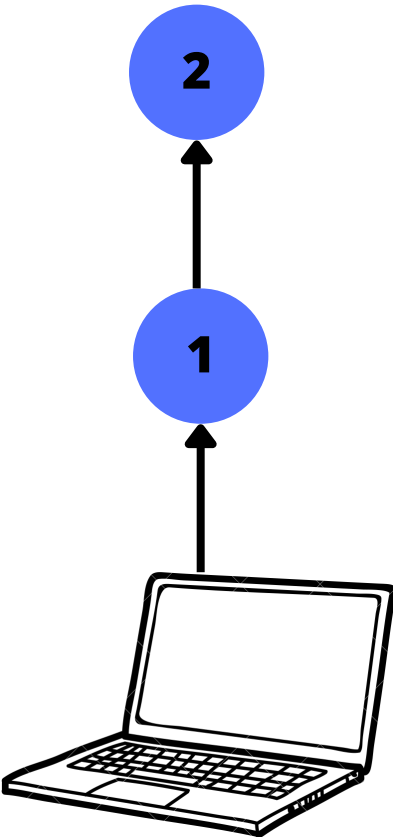
Origin



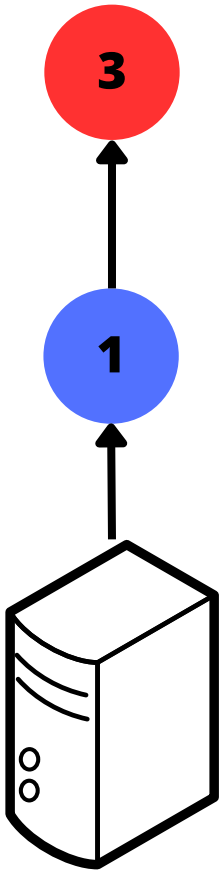
User\_2



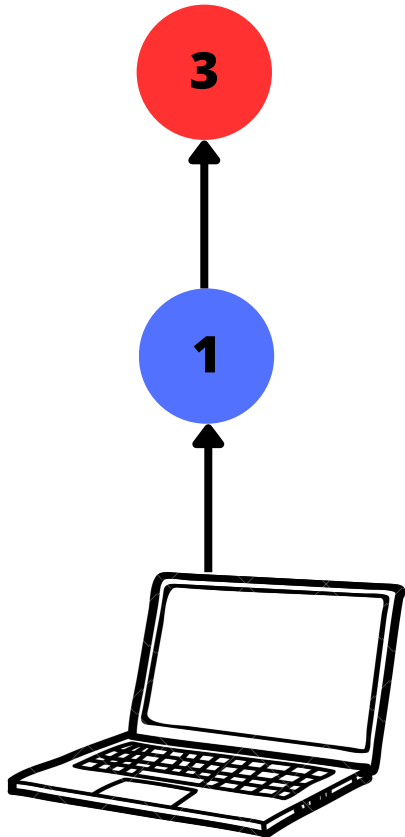
**git commit**  
**git commit**  
**git push**



**User\_1**



**Origin**

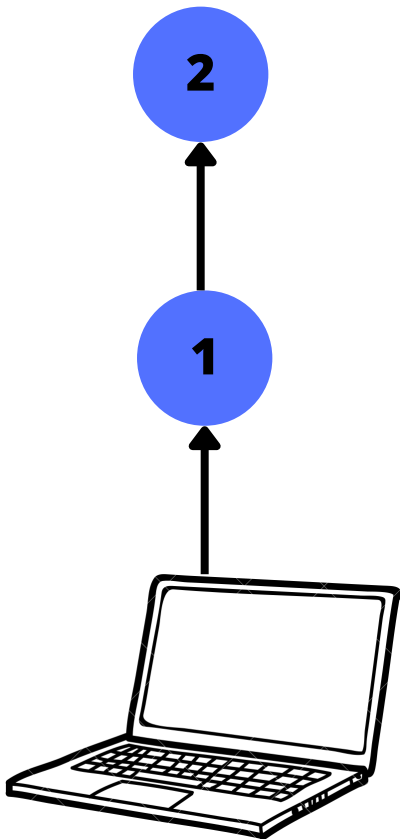


**User\_2**

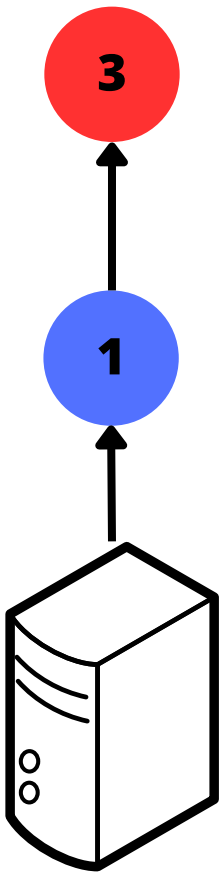


**git commit**  
**git commit**  
**git push**

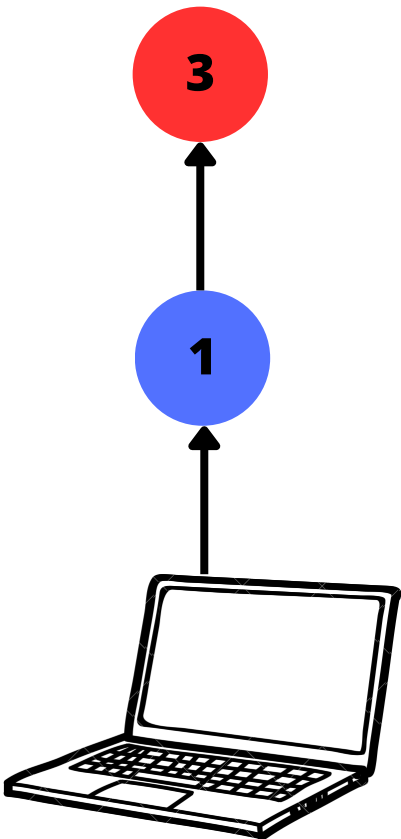
**git pull --ff-only**            **Fail !**



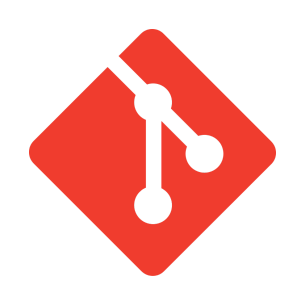
**User\_1**



**Origin**



**User\_2**

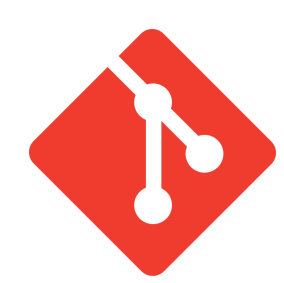


**git pull --ff-only is just a protection**

***git config --global pull.ff only***



**How to handle fail of `git pull --ff-only` ?**



**Git merge (same as before)**

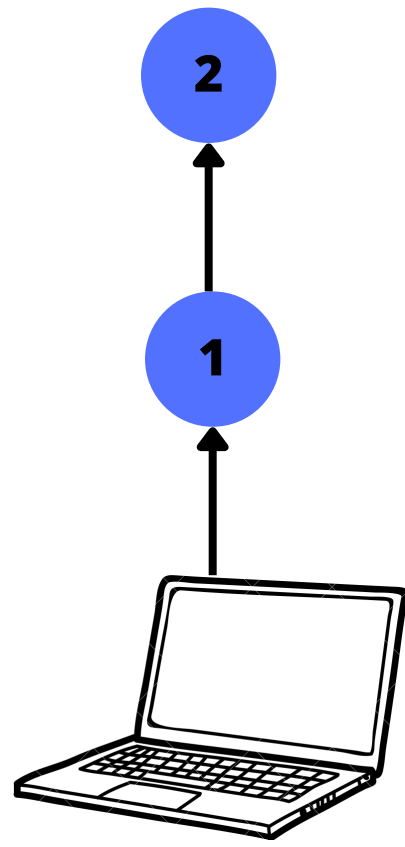


**An other alternative is `git pull --rebase`**

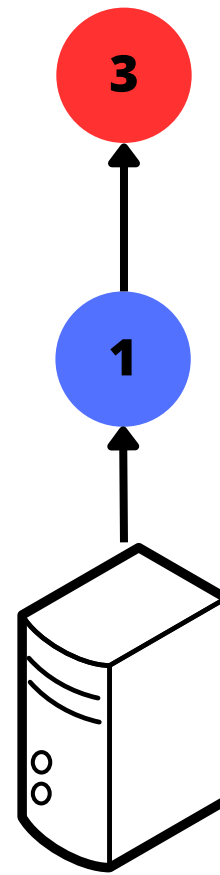


**git commit**  
**git commit**  
**git push**

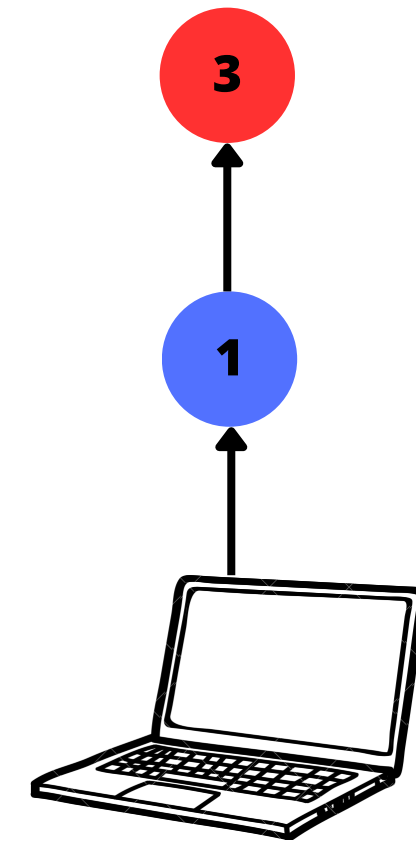
**git pull --ff-only** ✗  
**git pull --rebase**



**User\_1**



**Origin**



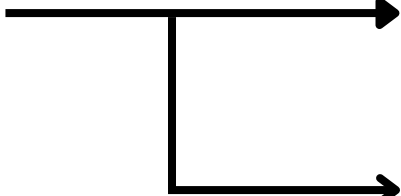
**User\_2**





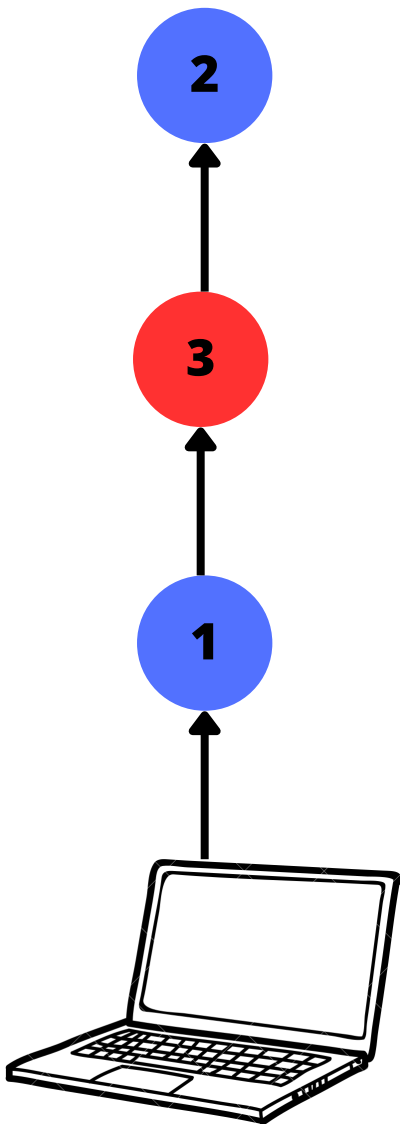
**git commit**  
**git commit**  
**git push**

**git pull --ff-only**  
**git pull --rebase**

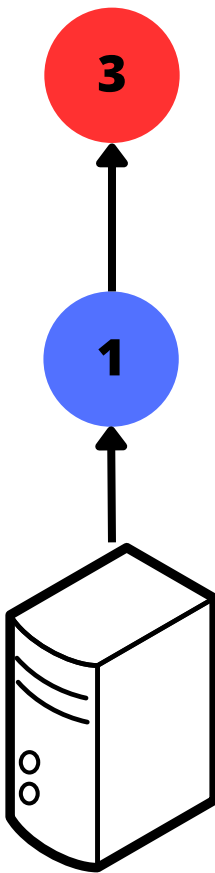


**Auto rebase success !**

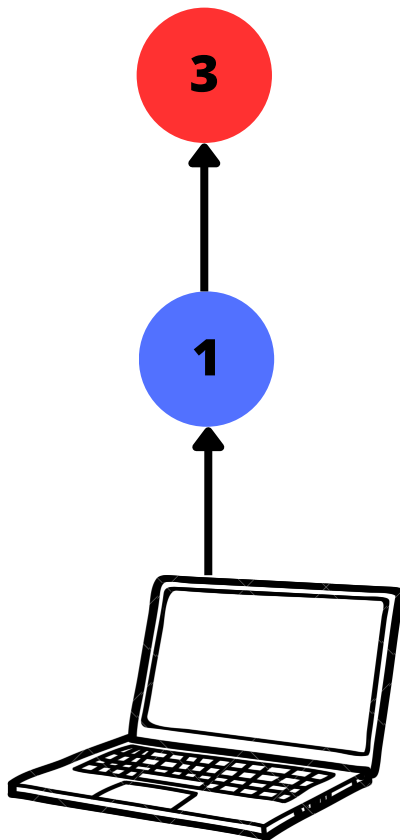
**Auto rebase fail ! do it yourself !**



**User\_1**



**Origin**

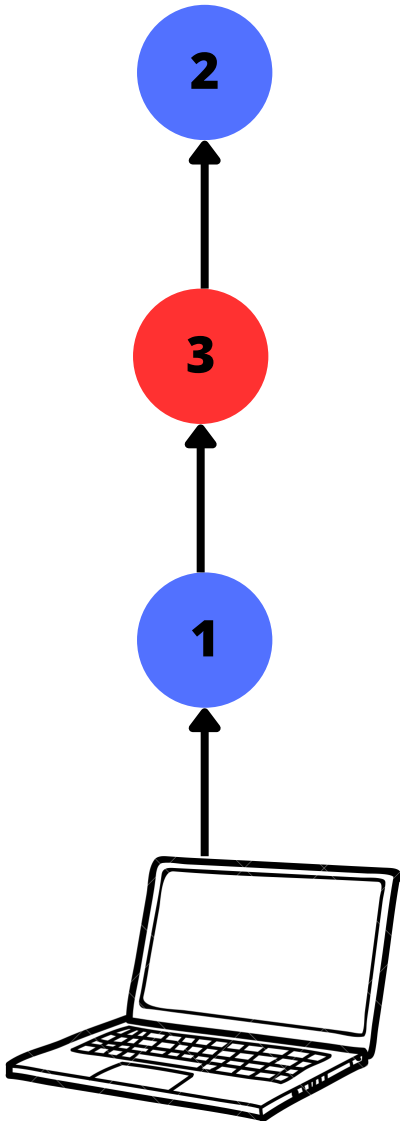


**User\_2**

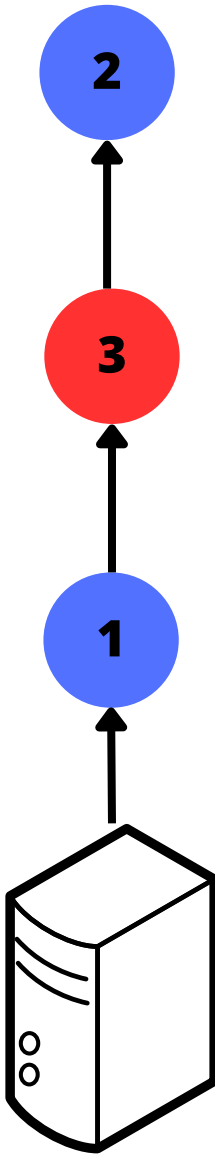


**git commit**  
**git commit**  
**git push**

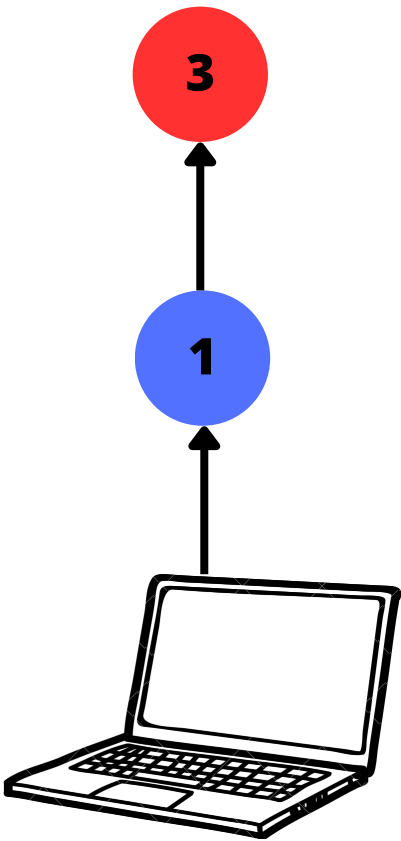
**git pull --ff-only** ✗  
**git pull --rebase**  
**git push**



**User\_1**



**Origin**



**User\_2**