Web Programming

Git

Prof. Josué Obregón

Department of Industrial Engineering- ITM

Seoul National University of Science and Technology





Web Programming with Python and JavaScript



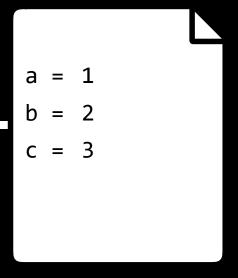




git



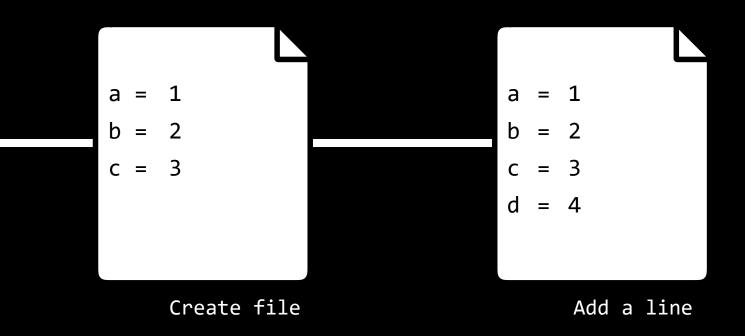
Keep track of changes to code.



Create file

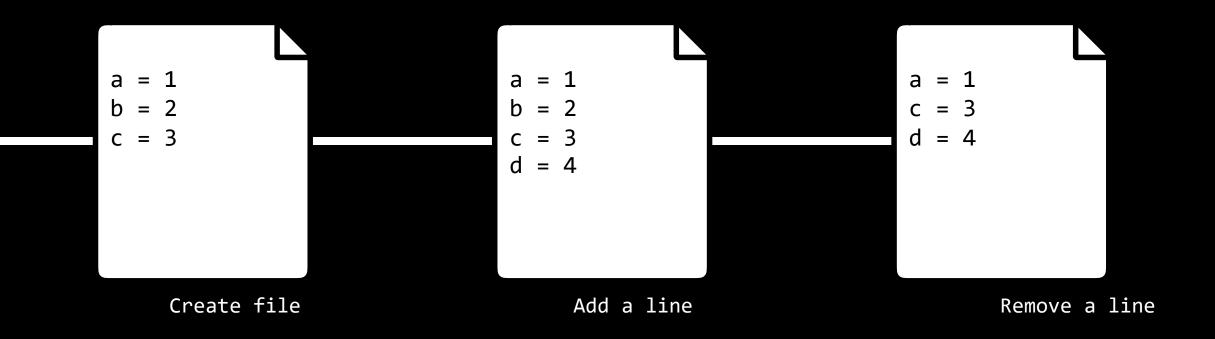


Keep track of changes to code.



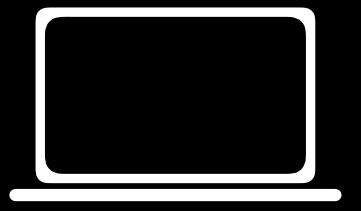


Keep track of changes to code.



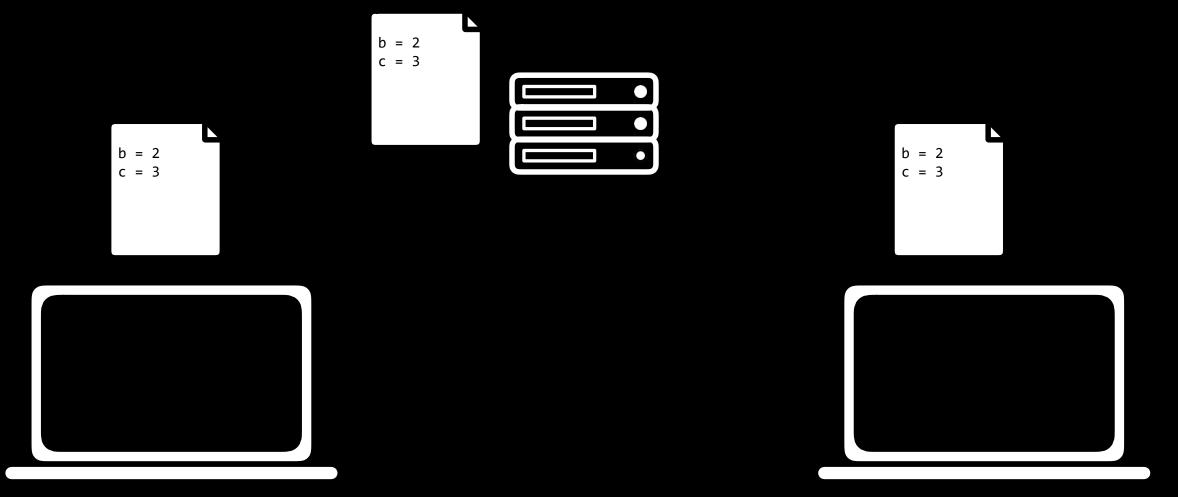




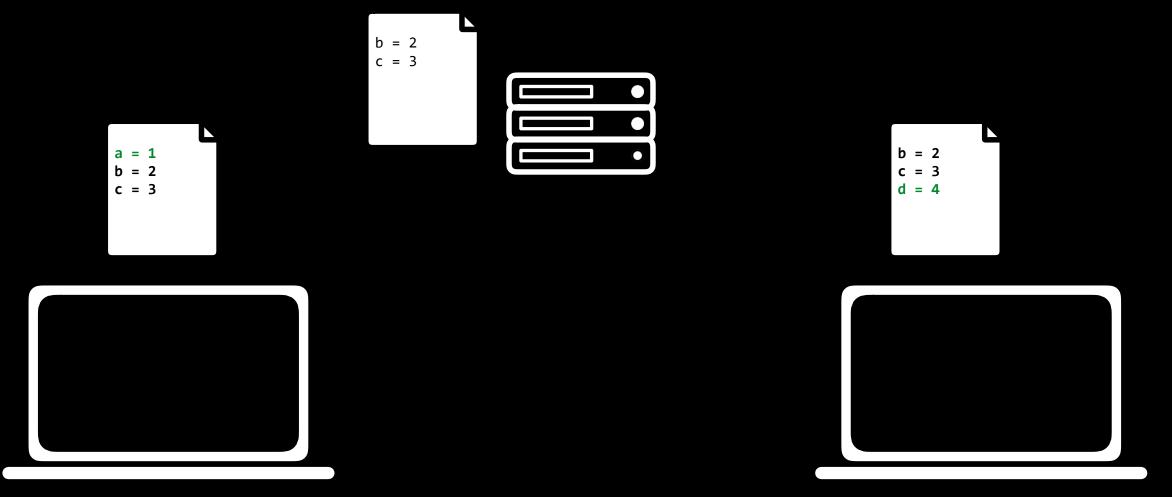




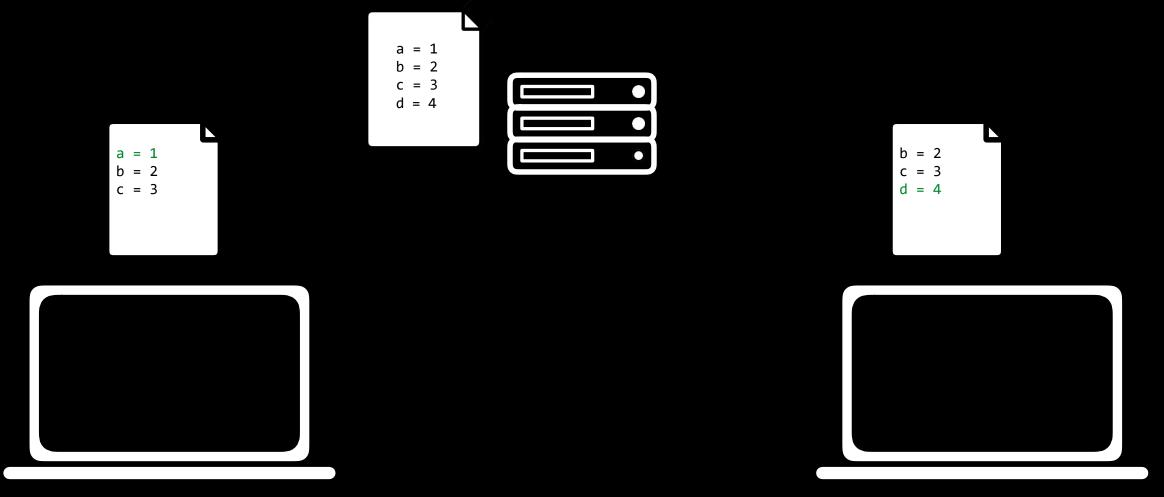




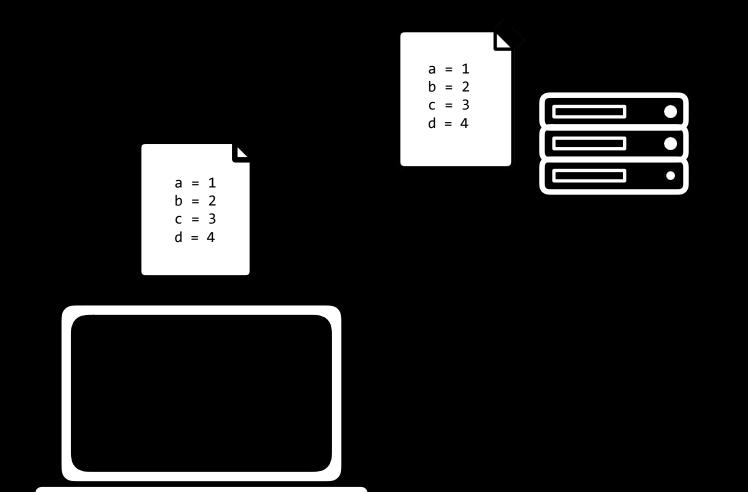


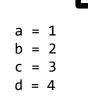
















Test changes to code without losing the original.

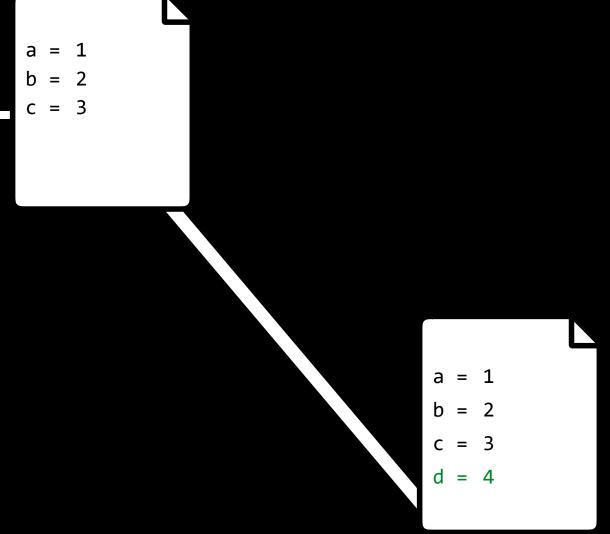


$$b = 2$$

$$c = 3$$

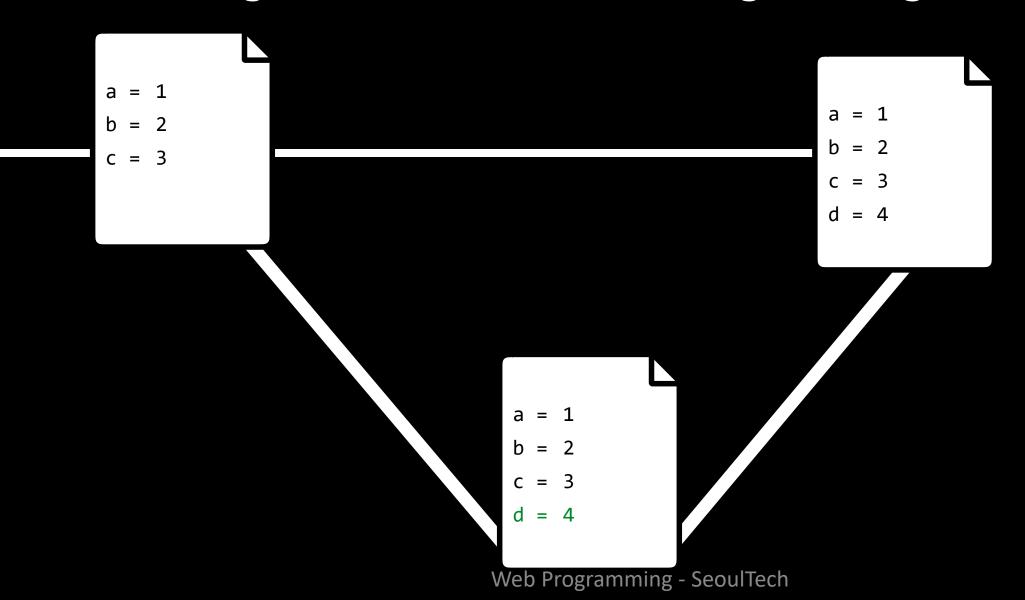


Test changes to code without losing the original.



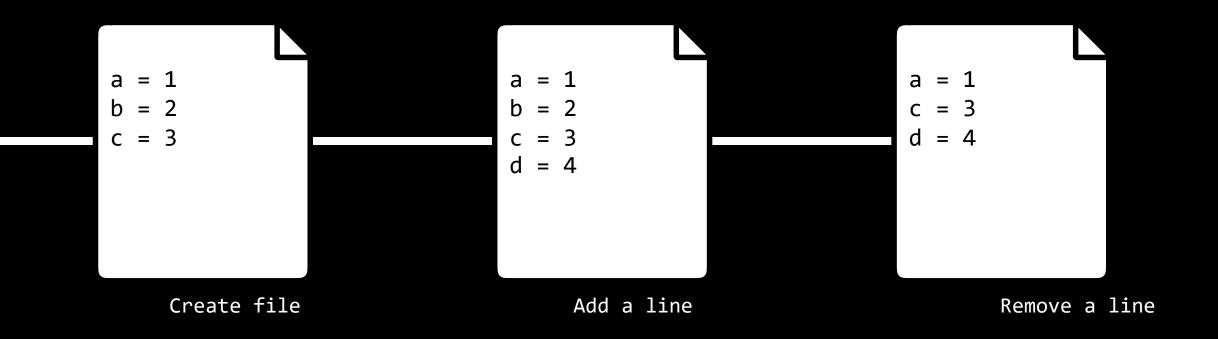


Test changes to code without losing the original.



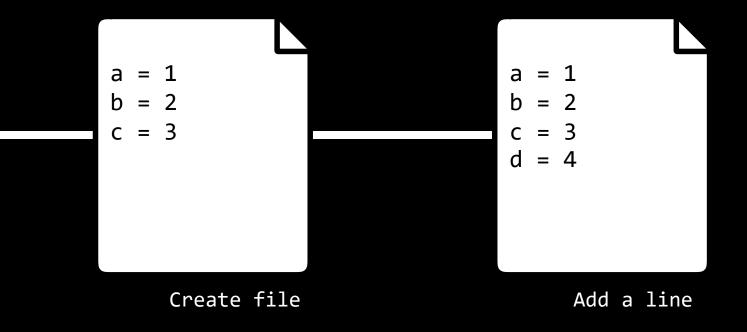


Revert back to old versions of code.





Revert back to old versions of code.







GitHub



git clone



git clone <url>







git clone <url>



git clone <url>



git clone <url>



b = 2c = 3git clone <url> d = 4

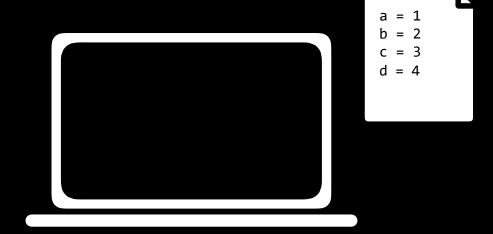
a = 1



git add

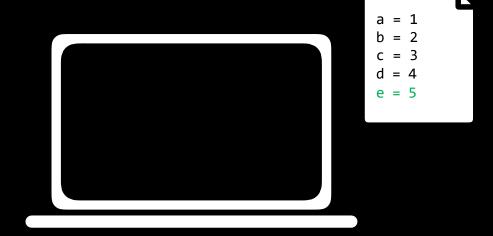












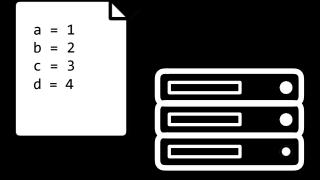




git add foo.py

a = 1
b = 2
c = 3
d = 4
e = 5





c = 3git add foo.py d = 4e = 5

a = 1b = 2

Changes to be committed:

modified: foo.py

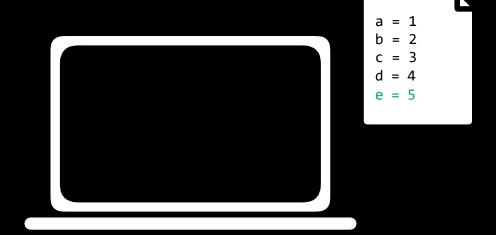


git commit



git commit -m "message"







git commit -m "message"



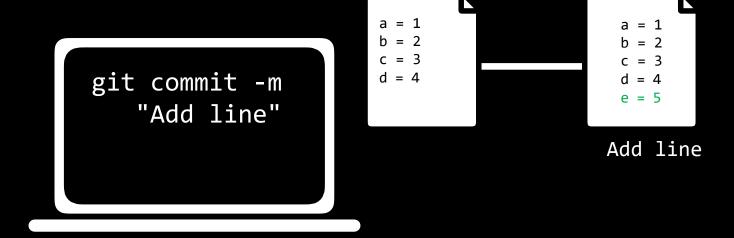
git commit -m
 "Add line"

a = 1 b = 2 c = 3 d = 4 e = 5



git commit -m "message"

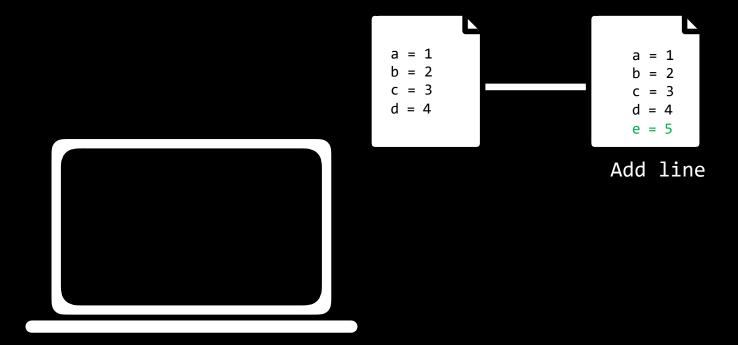






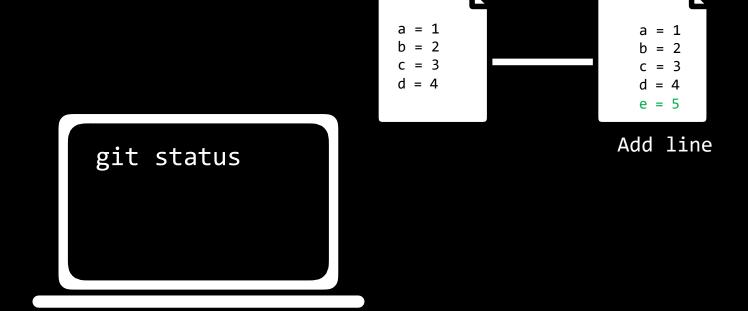






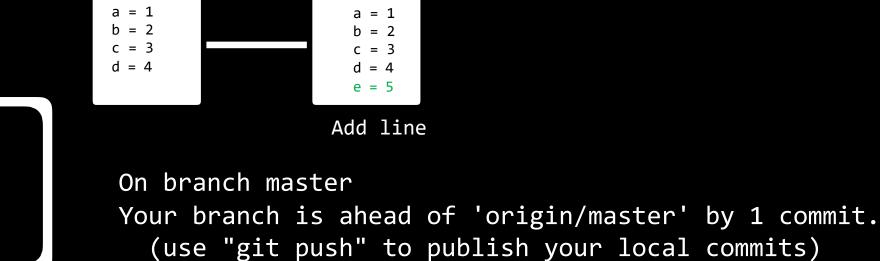










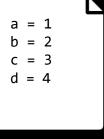


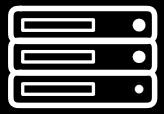


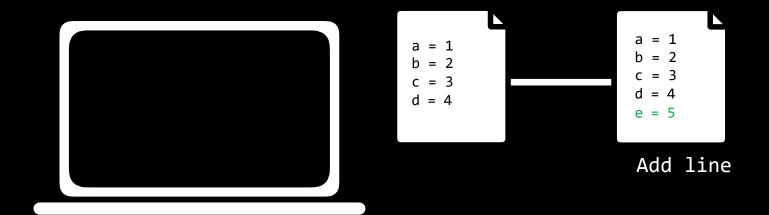
git push



git push

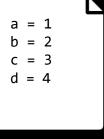




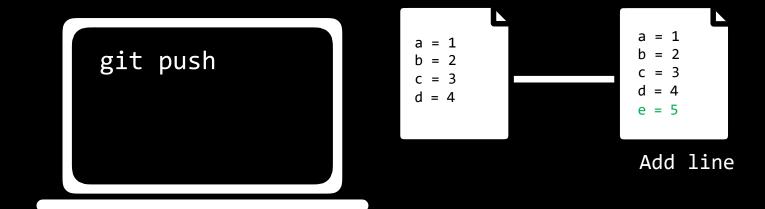




git push

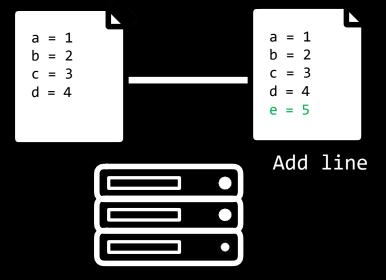


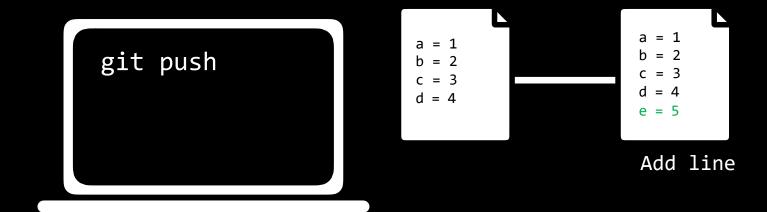






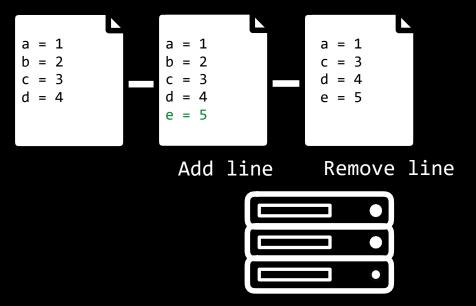
git push

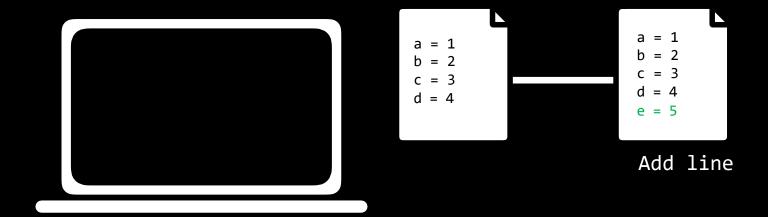




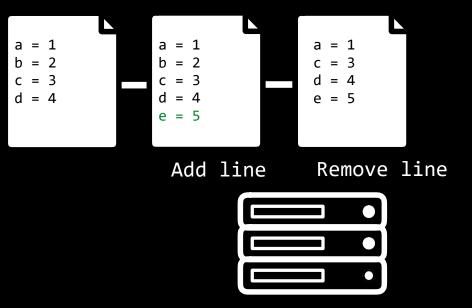


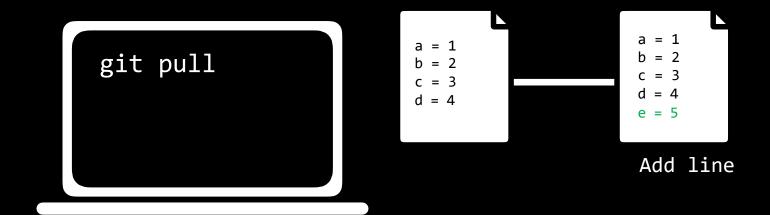




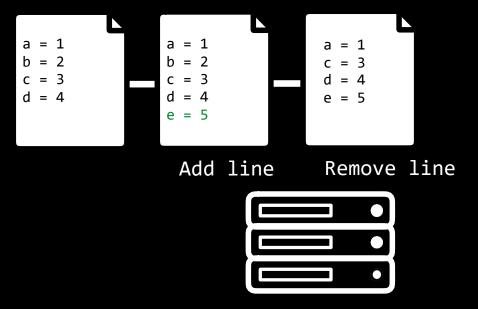




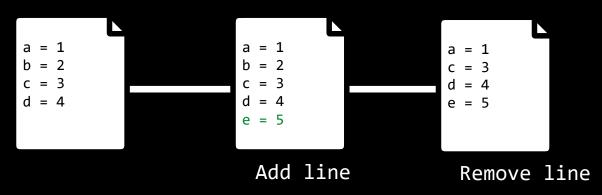














Merge Conflicts















CONFLICT (content): Merge conflict in foo.py Automatic merge failed; fix conflicts and then commit the result.





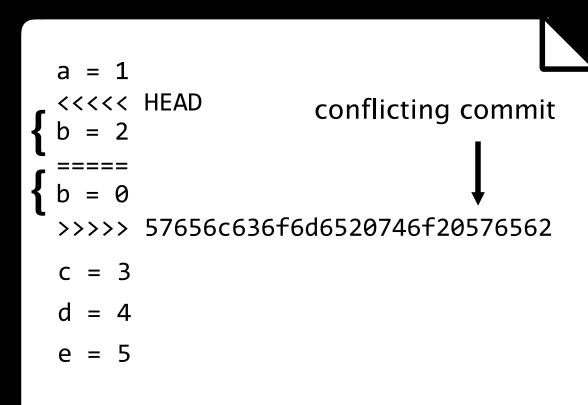
```
git pull
```





your changes

remote changes







```
git pull
```

```
a = 1

<<<<< HEAD

b = 2

=====

b = 0

>>>>> 57656c636f6d6520746f20576562

c = 3

d = 4

e = 5
```

Merge Conflicts



$$a = 1$$

$$b = 2$$

$$c = 3$$

$$d = 4$$

$$e = 5$$

Merge Conflicts











git log



git log

commit 436f6d6d6974204d73672048657265

Author: Josue <author@email.com>

Date: Tue March 05 12:06:28 2024 +0900

Remove a line

commit 57656c636f6d6520746f20576562

Author: Josue <author@email.com>

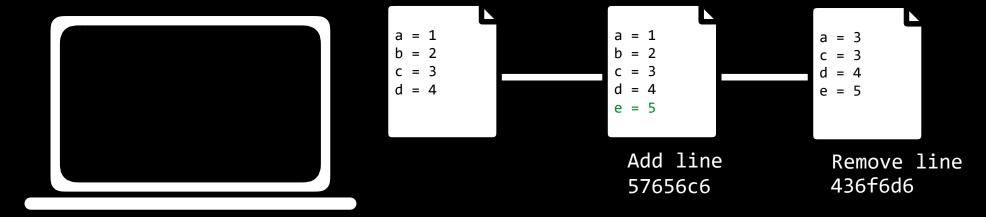
Date: Tue March 05 12:06:28 2024 +0900

Add a line



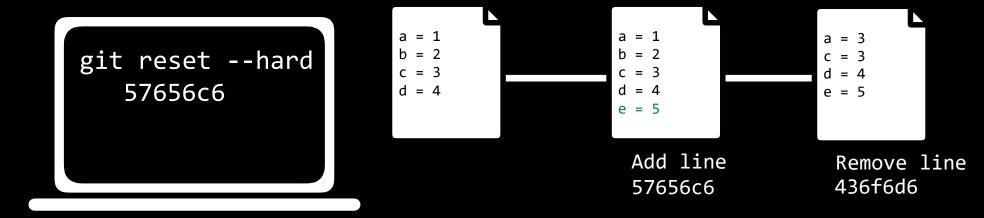


- git reset --hard <commit>
- git reset --hard origin/master



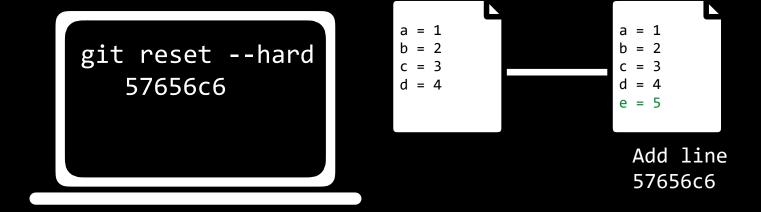


- git reset --hard <commit>
- git reset --hard origin/master





- git reset --hard <commit>
- git reset --hard origin/master



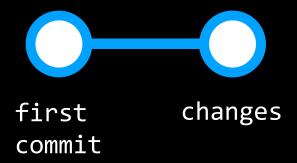


Making Changes

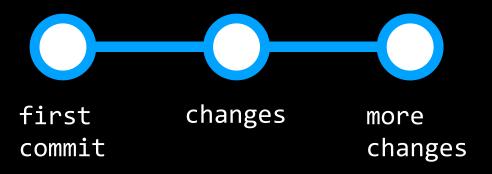




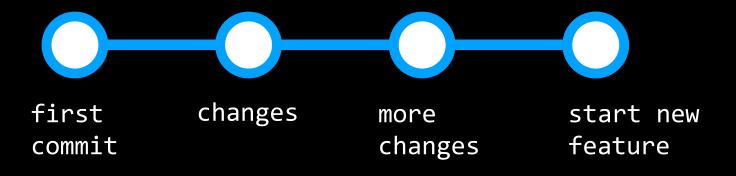




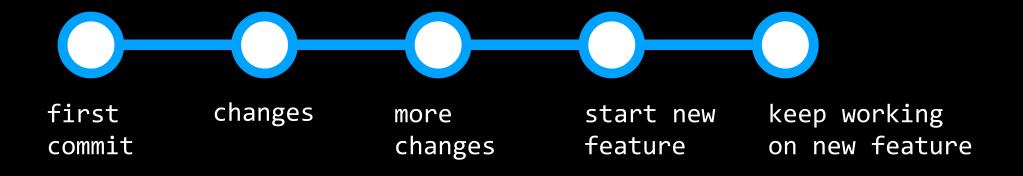












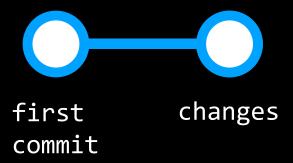


Branching

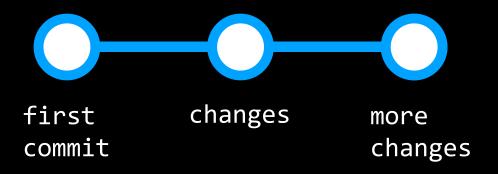




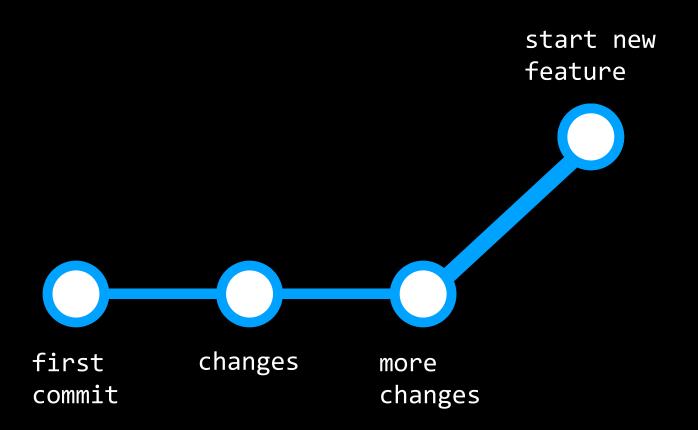




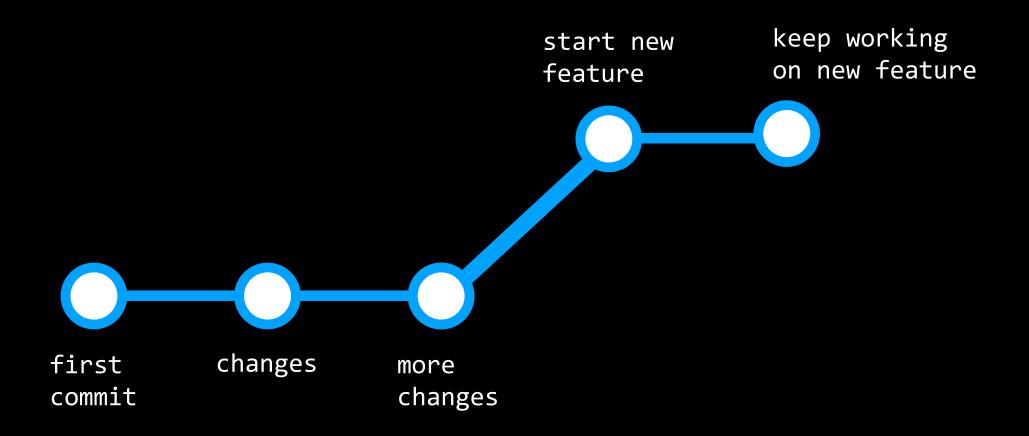




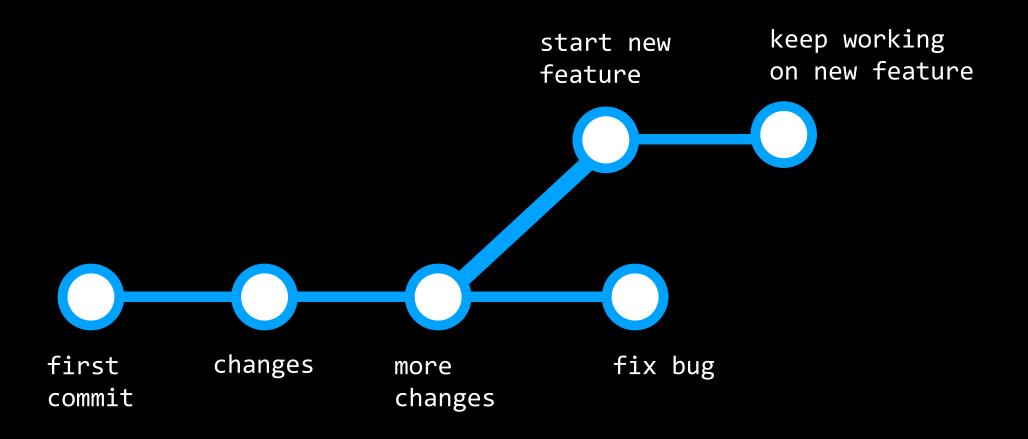




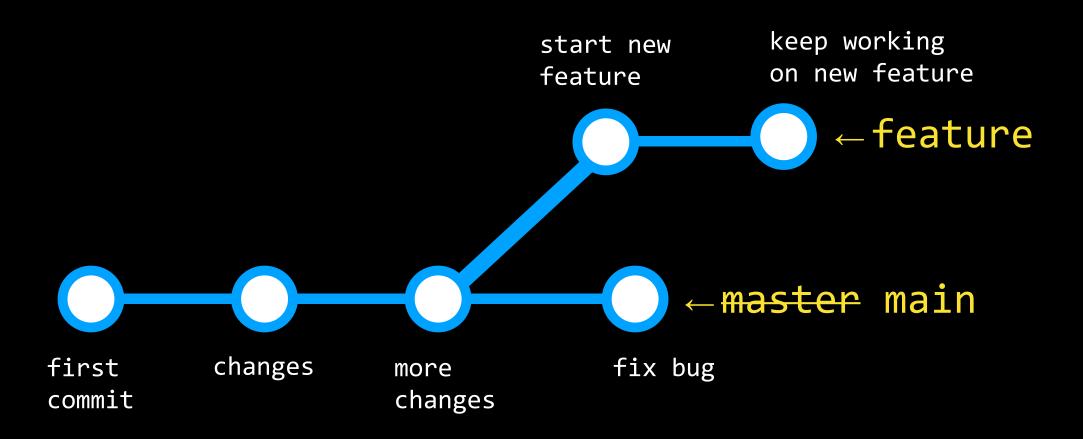




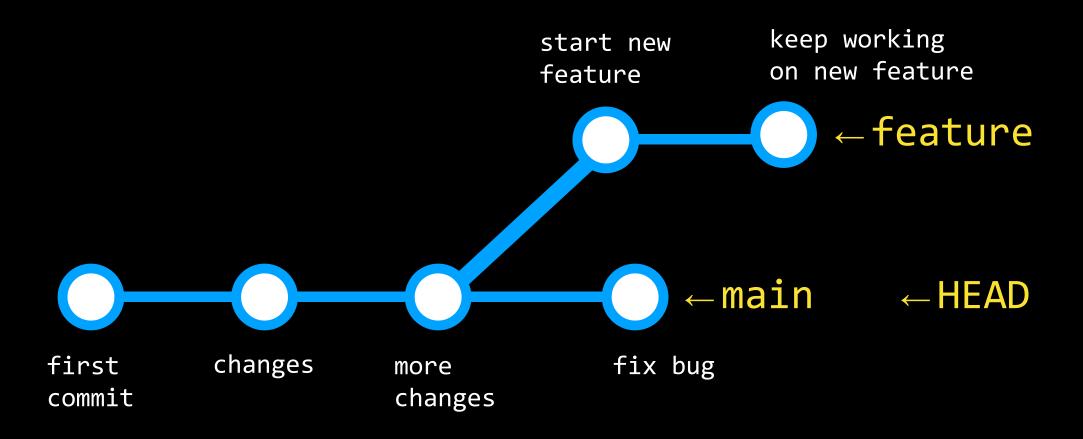




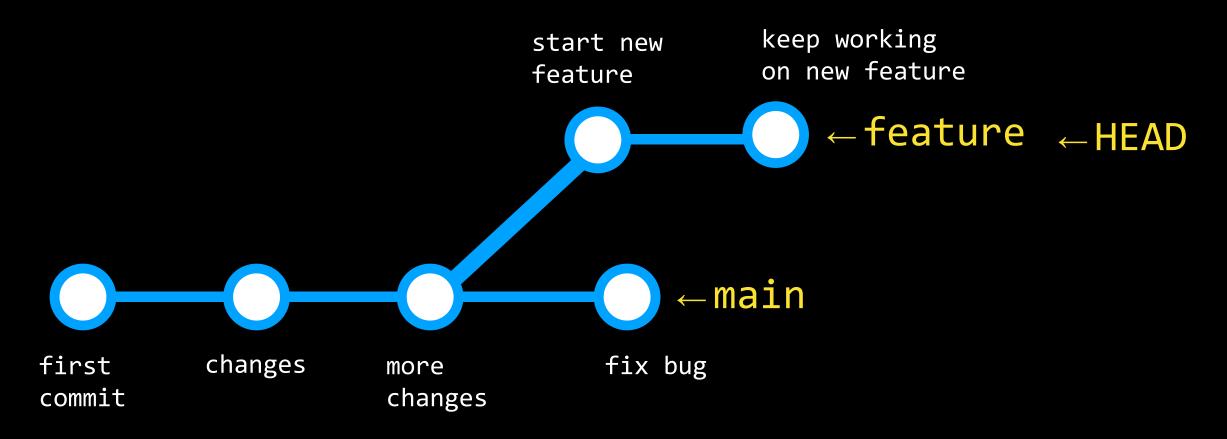




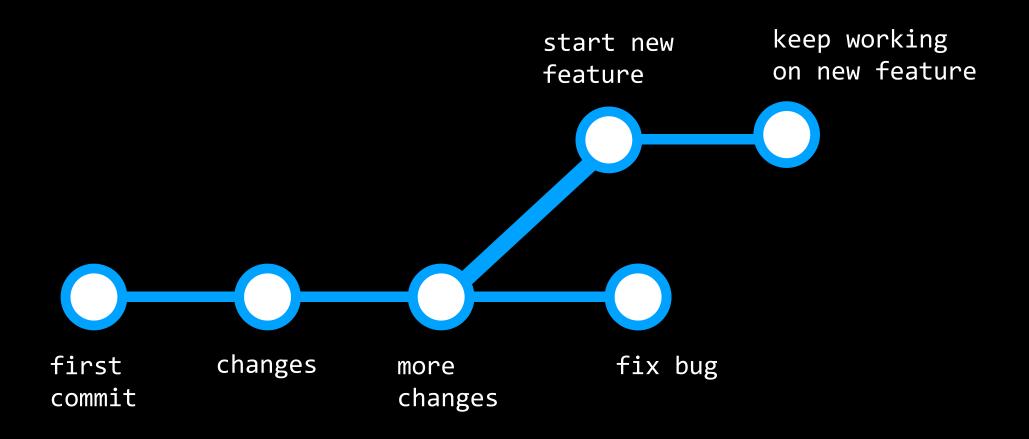




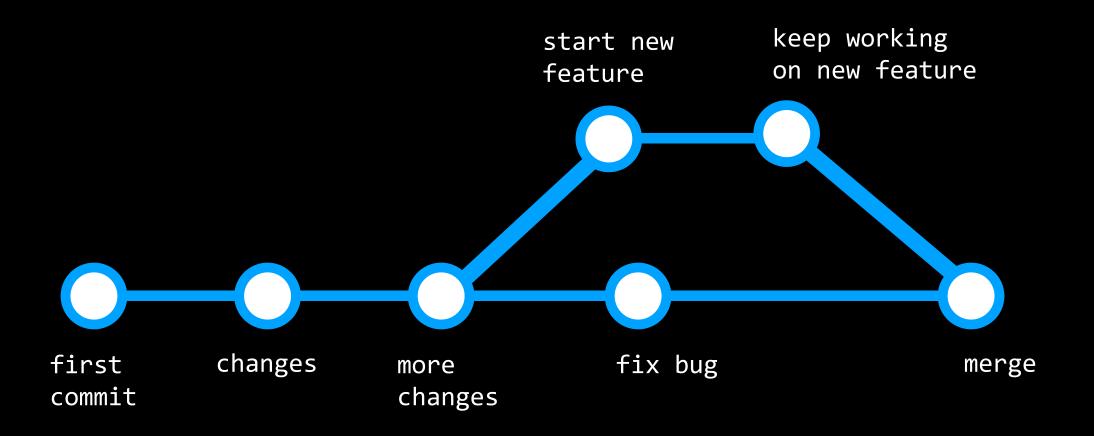












Branching

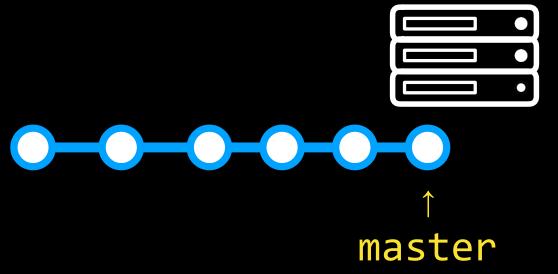


- git branch
- git checkout
- git merge



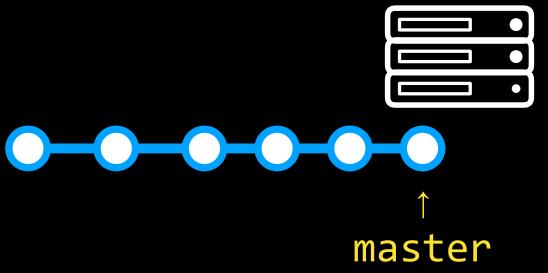


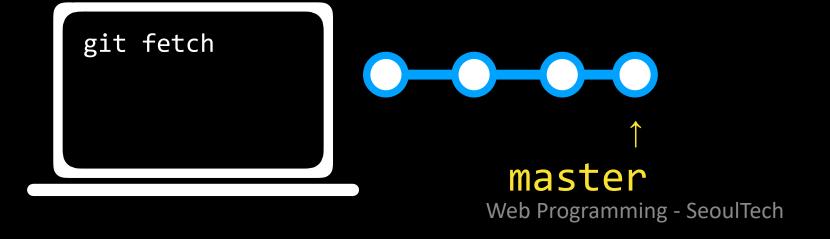




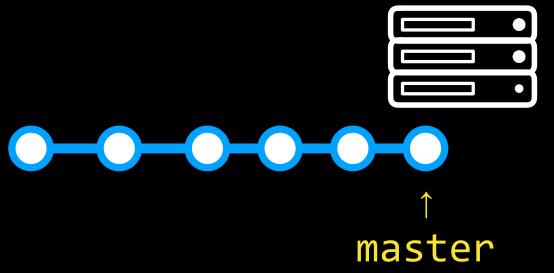


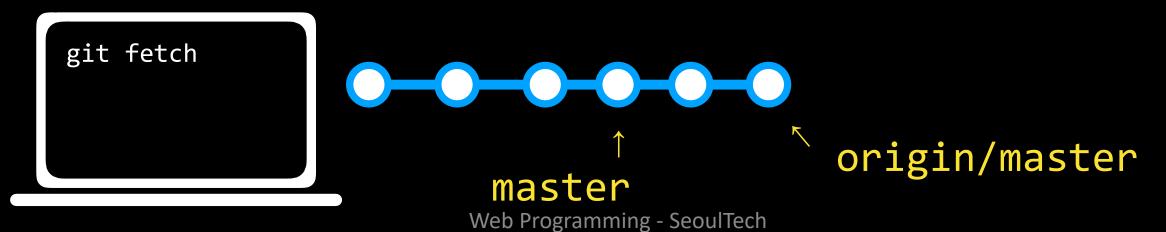




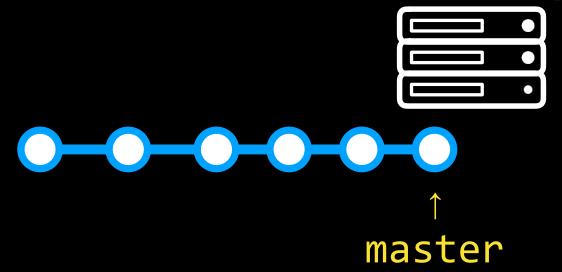




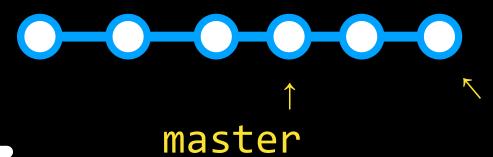






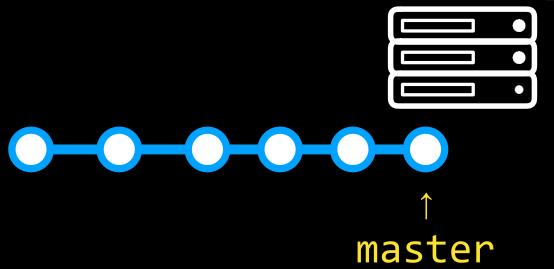


git fetch
git merge
 origin/master

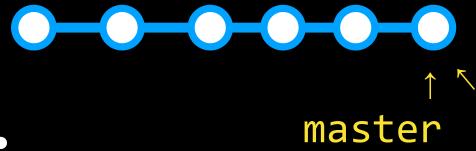


origin/master



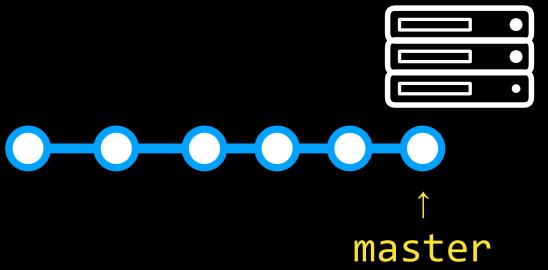


git fetch
git merge
 origin/master



origin/master









Forks



Pull Requests



GitHub Pages

Lab Assignment #1





https://classroom.github.com/a/ooZJb8PN



Web Programming with Python and JavaScript

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