

- Agenda :
- VCS
  - Different Type of VCS
    - Commit
    - Branch
      - merge
      - reb

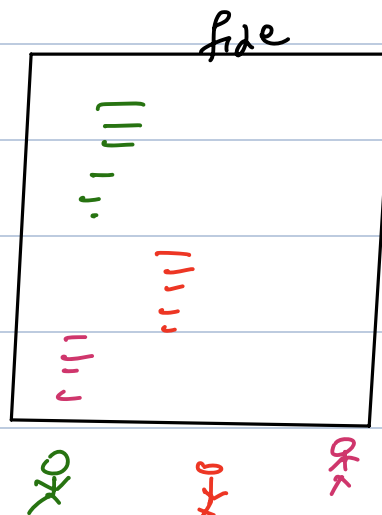
VCS: Version Controlling System.

- GIT

Types of VCS

- Centralized
- de-centralized

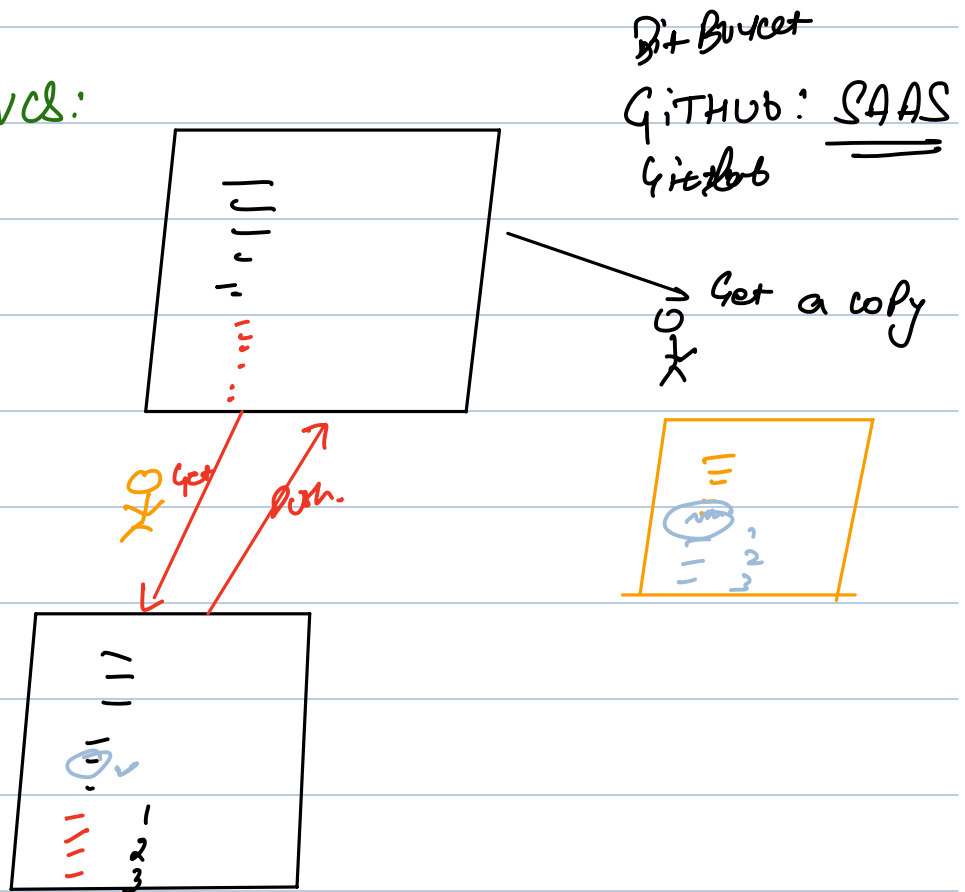
Centralized VCS :



Cons:

- SPOF
- Data overridden

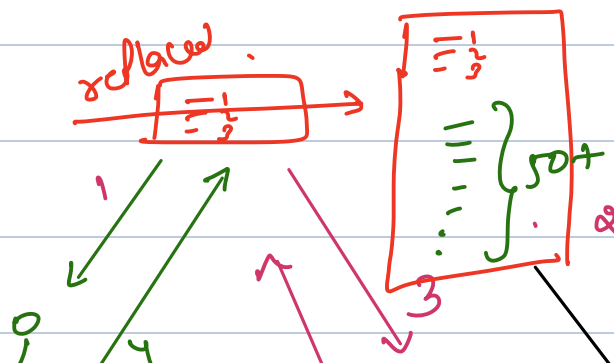
Distributed vcs:

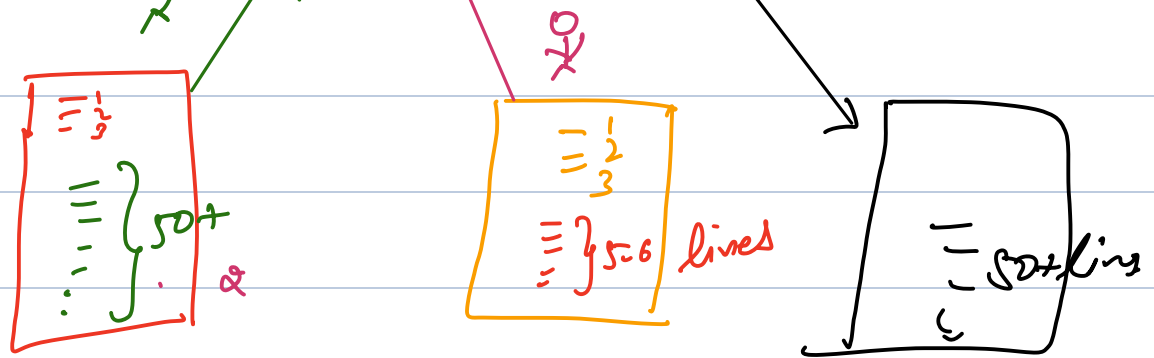


- 1. People can work independently
- 2. No SPOF + No override

CONS:

- Conflicts
- Sync Repo with hosted copy.

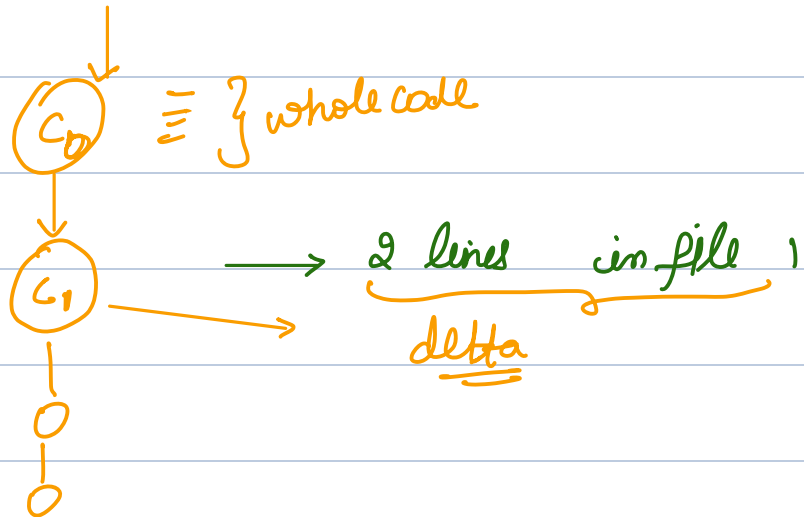




Git :

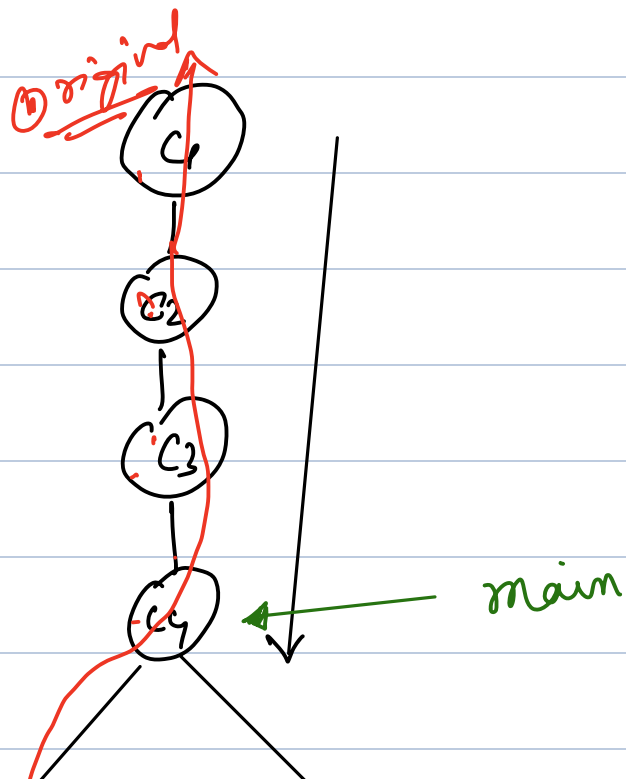
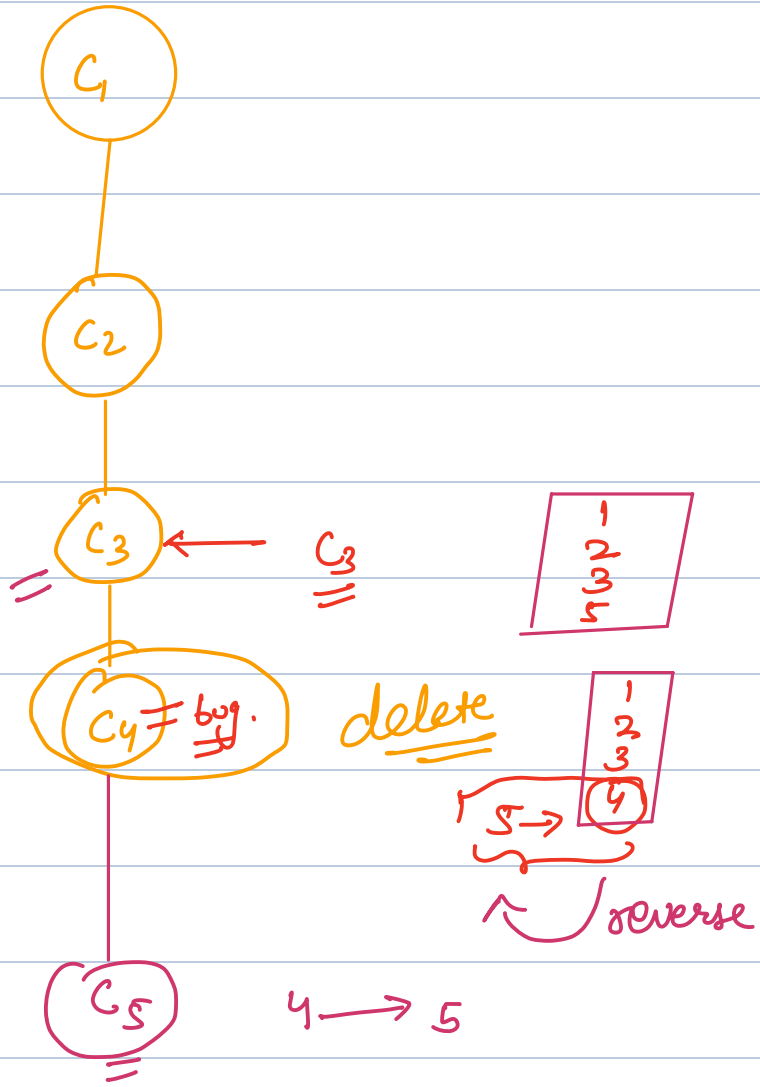
1) commits

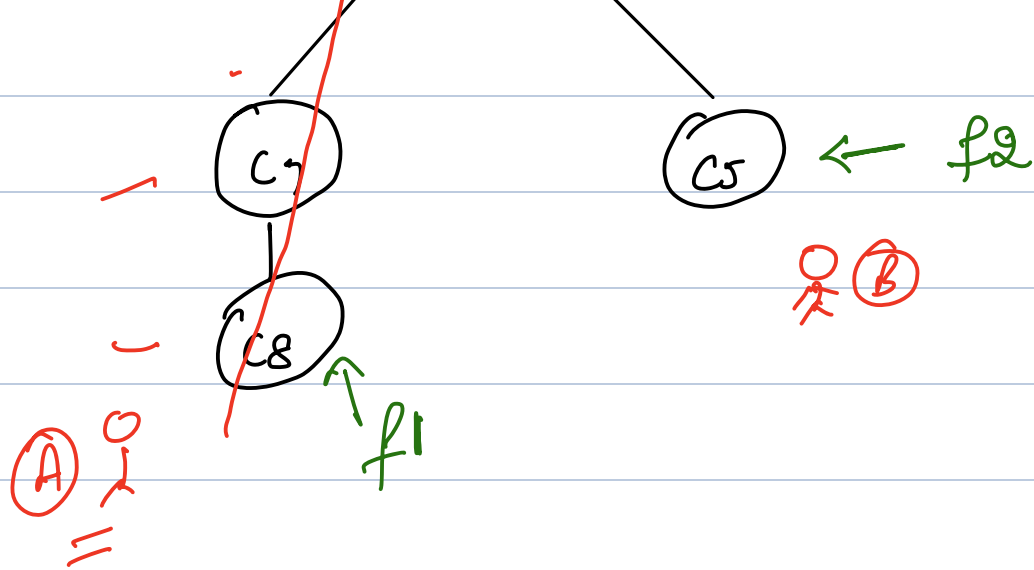
· empty file



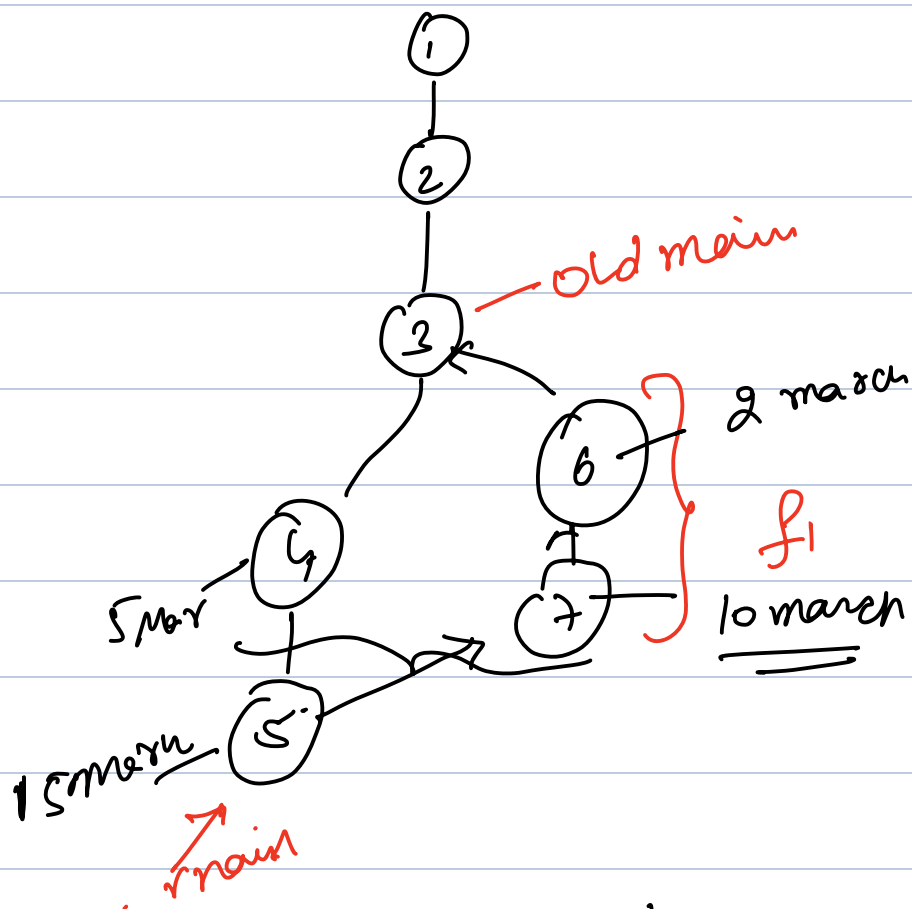
every commit is a delta to  
it's previous version

commits are immutable : once committed  
it can't be changed.





BRANCH : Pointer



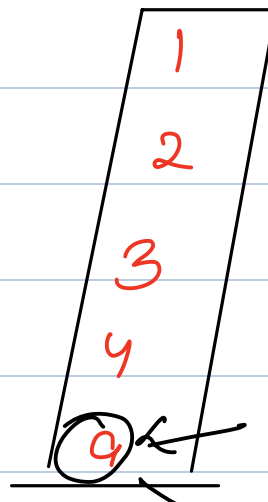
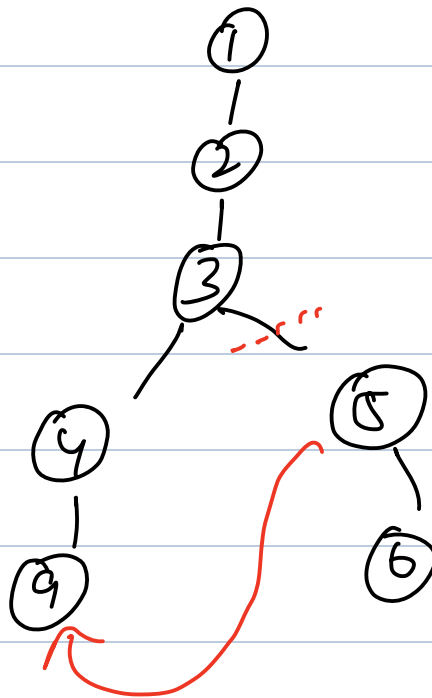
Created Time Stamp

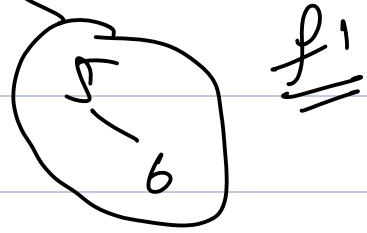


$5 - (7) - (4) - (6) - 3 - 2 - 1$   
 f1                      f1  
 Too much random.

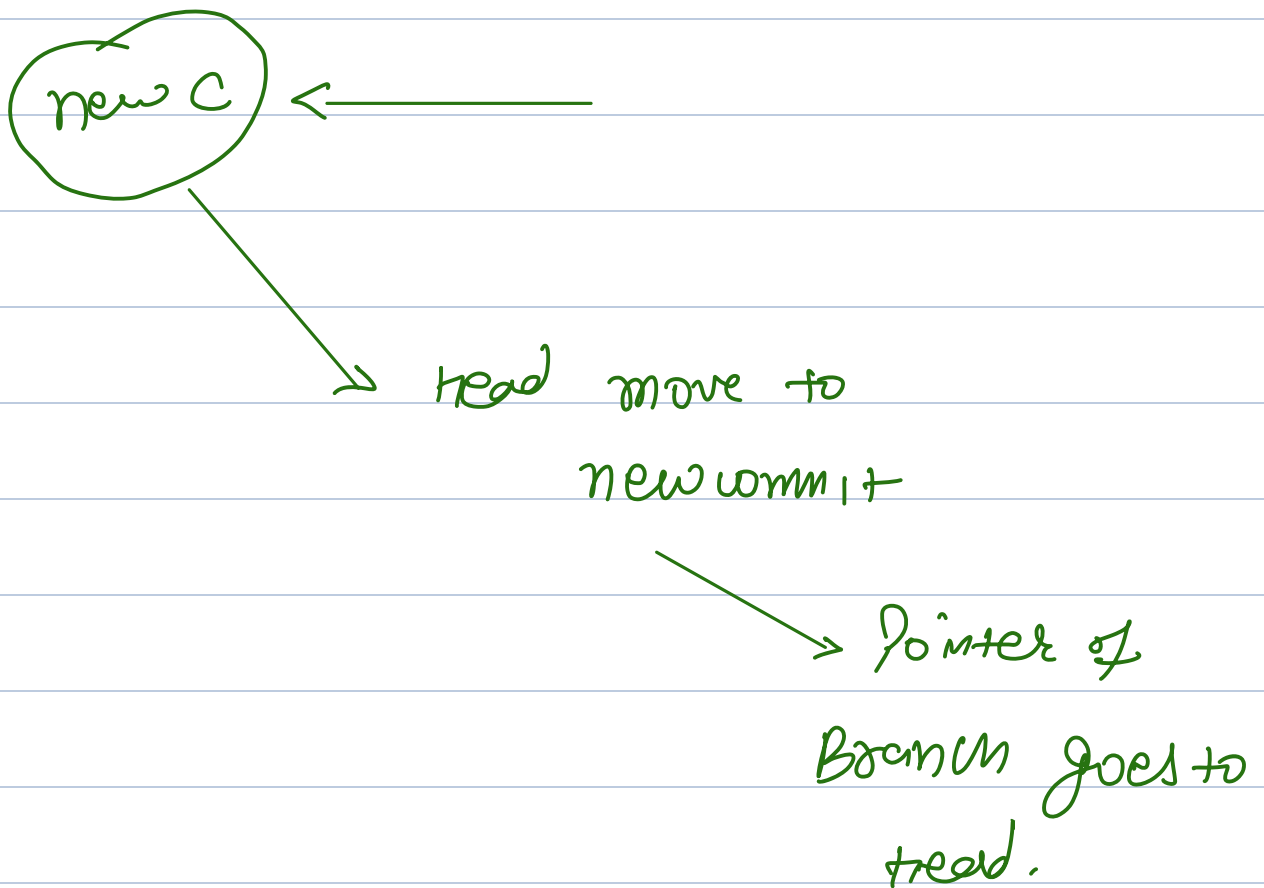
Git log

# Git xbase





Head: A special pointer, pointing always towards latest commit of active branch



If you move head to specific commit it will be in detach state.