Will start at 9:10PM

Finish Git

1. **Git Remotes**   Origin | remote
   - → Fetch
   - → Pull
   - → Push

2. Working on Github
   - → Create your first PR

3. Git Cherry-Pick
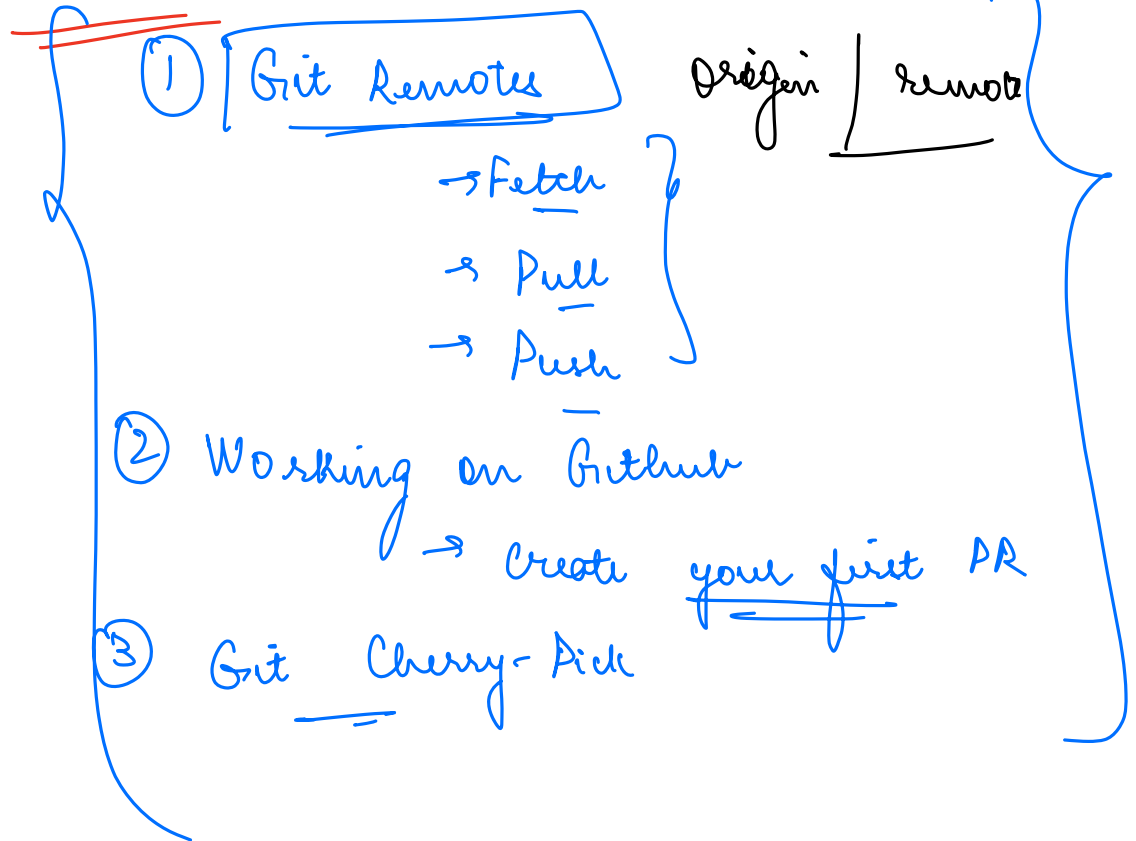
Git Remotes

1. History
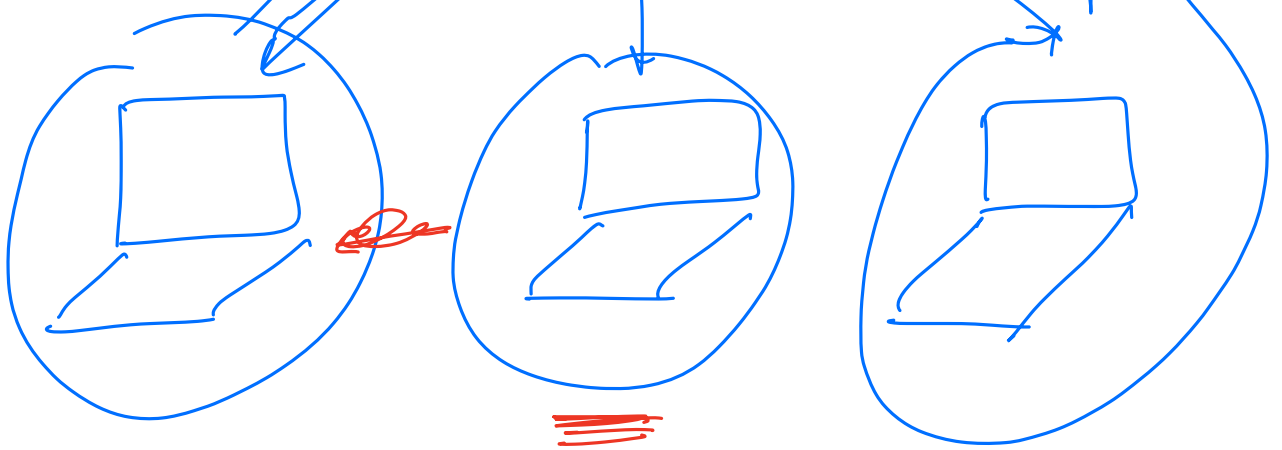2. Team Work → multiple dev may be working on diff things in the same project at one time

→ each of them on their own device
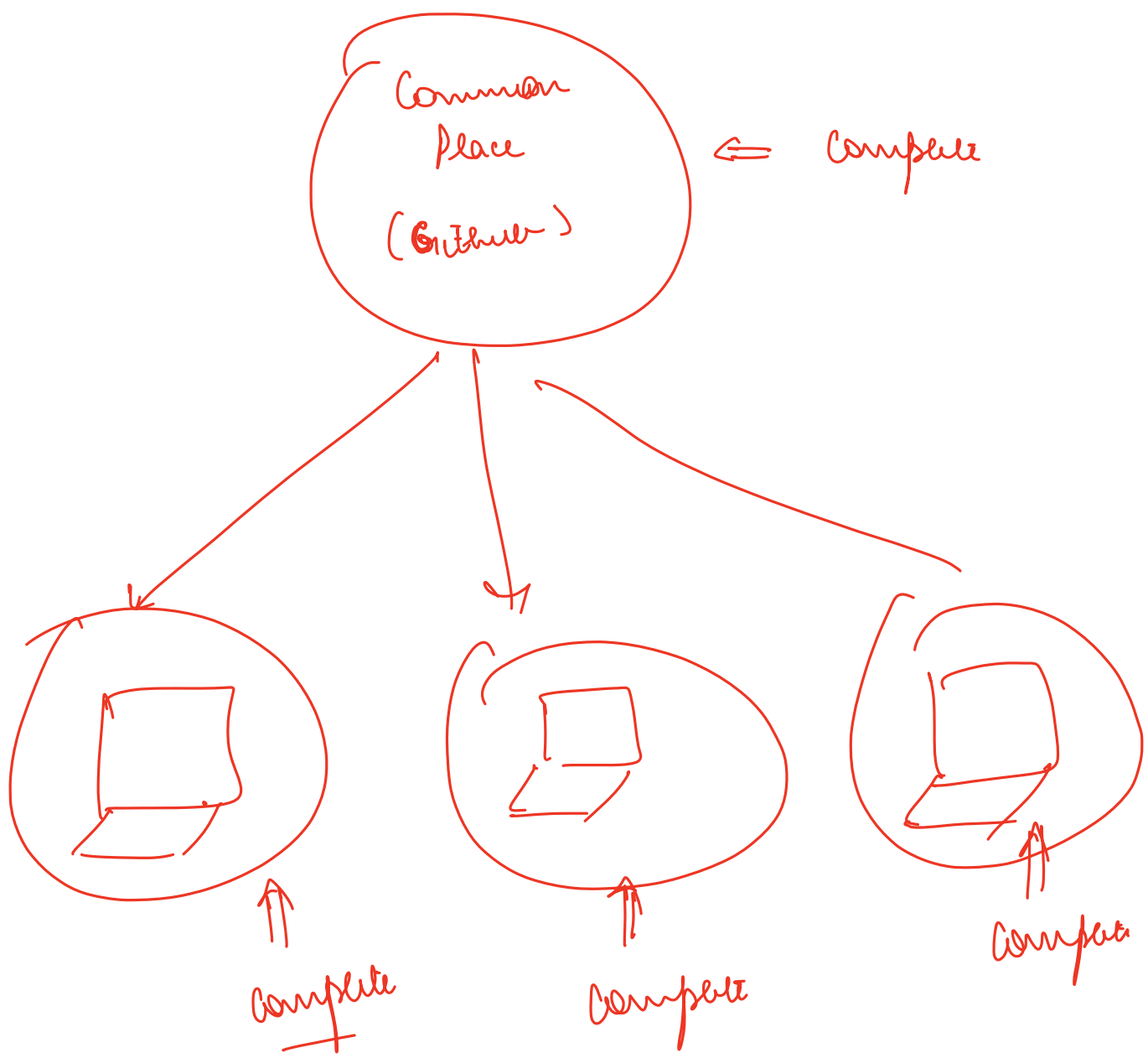
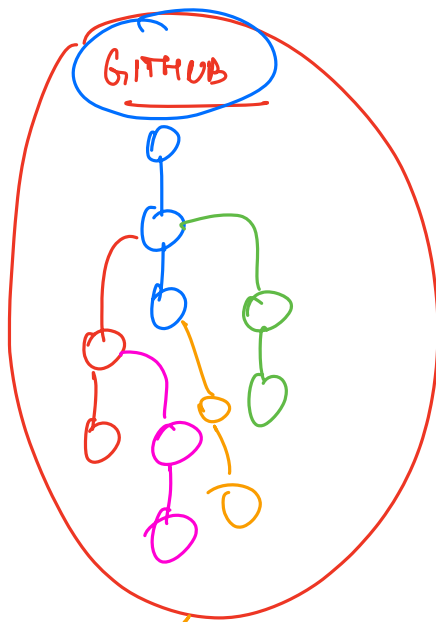Git Repository Hosting
Websites

(Github | Gitlab | BitBucket)

Common Place
⇒ all the code
where other
developers can
download/
upload it
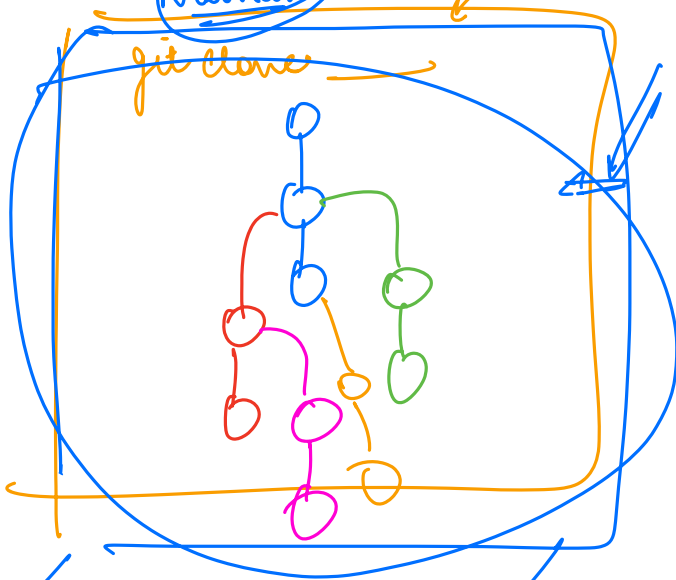
→ common place could be one
of the dev's laptop as well.

→ but not possible to easily
download from other laptop

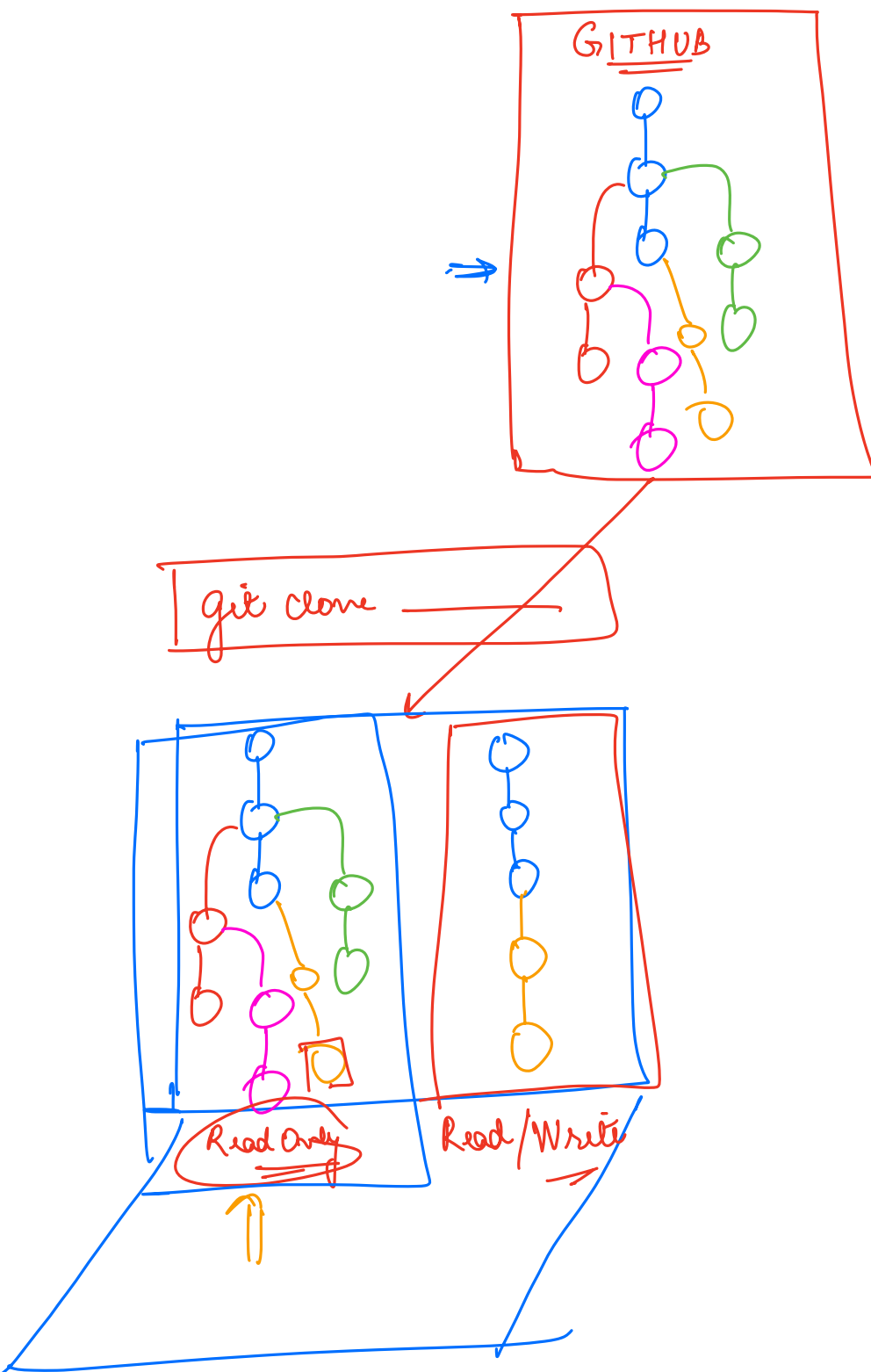→ common place should be something
people can easily download from

Common
Place

(Github)   ⟸   Compile

Compile   Compile   Compile

GITHUB

Naman

git clone
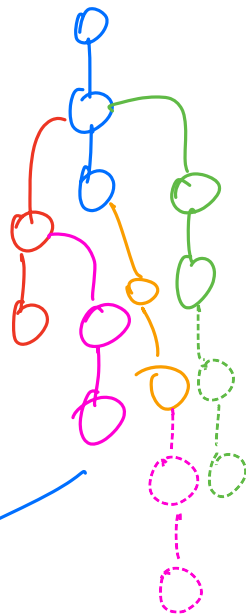
=

Independent

GITHUB

git clone

Read Only

Read/Write

1. Complete read only copy of that code base.

2. Of default branch it will create another copy

Git Remote : Remote URL where you download
code from.
⇒ Read only copy is nothing but
a demonstration of how the
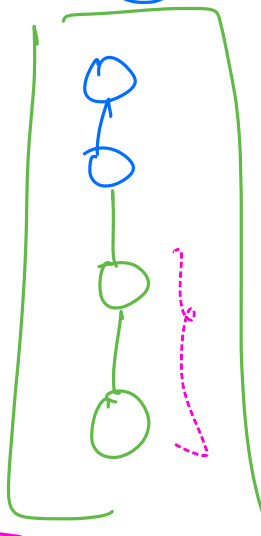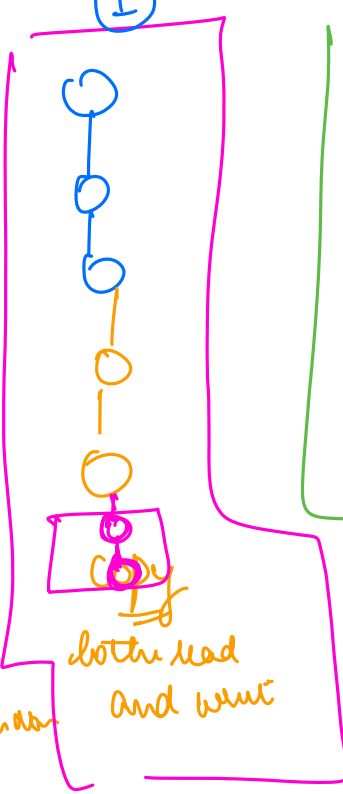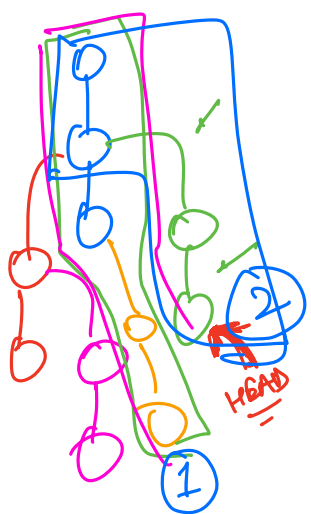code on remote looked like
when you cloned.

GITHUB

CLONED

① ②

HEAD

②

①

Read ONey
State

remotes / ___ / branches

copy

both Read
And write

① git checkout remotes / ___ / ___→

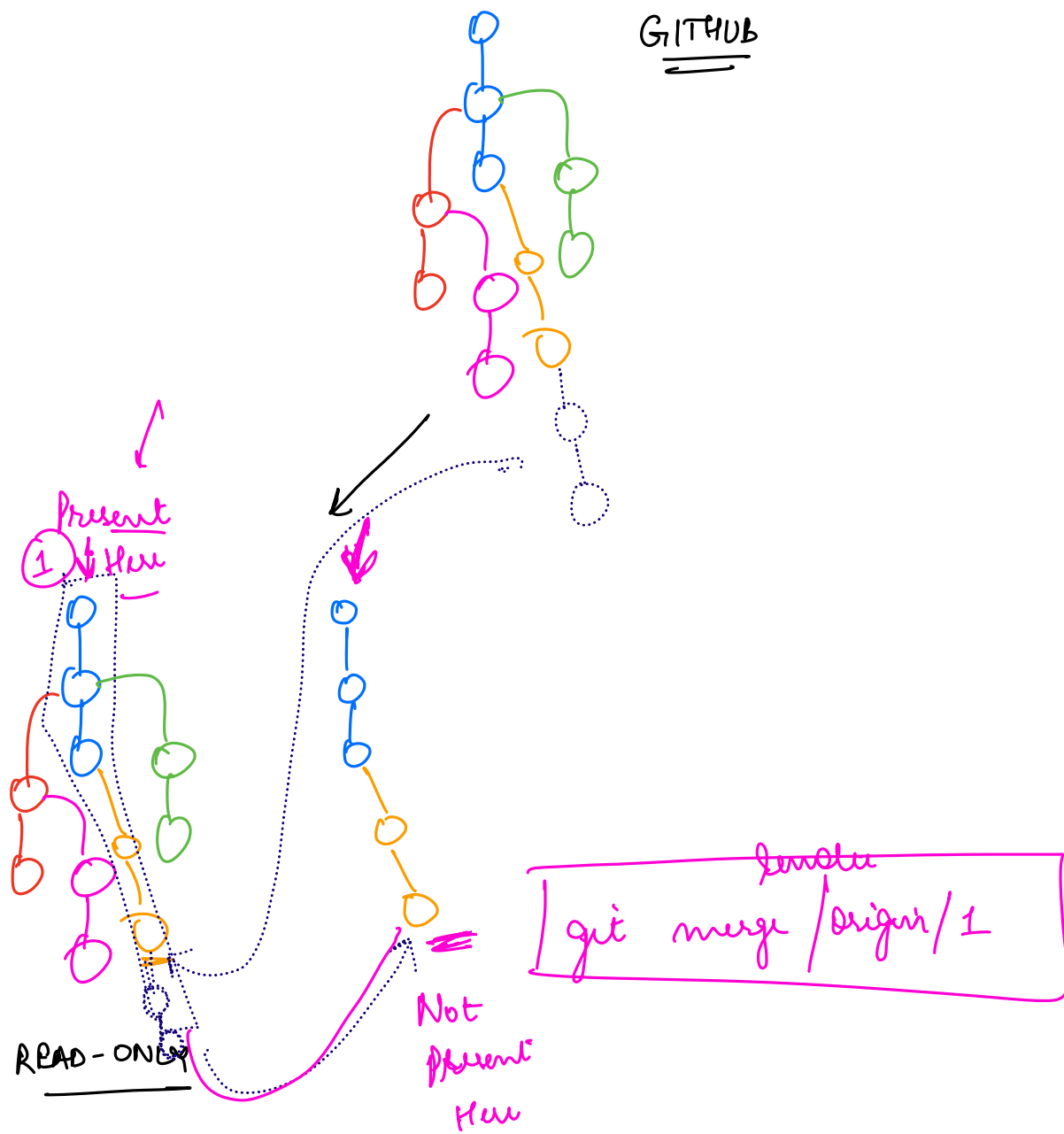② git checkout -b   local-branch ..n

Changes in local $\Rightarrow$ (remote)

git fetch = Hey Git
             Please bring all changes that have
      happened in remote to my read only
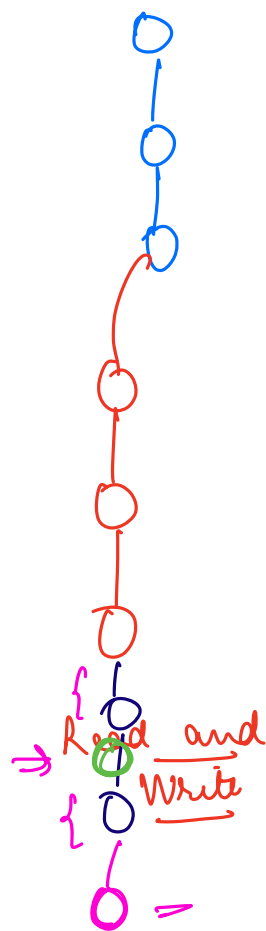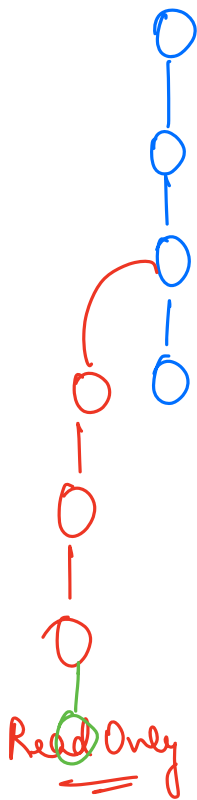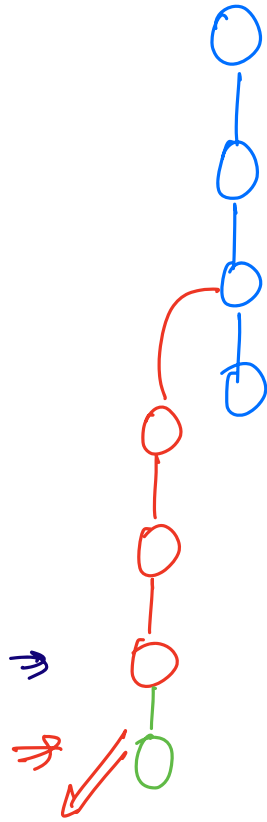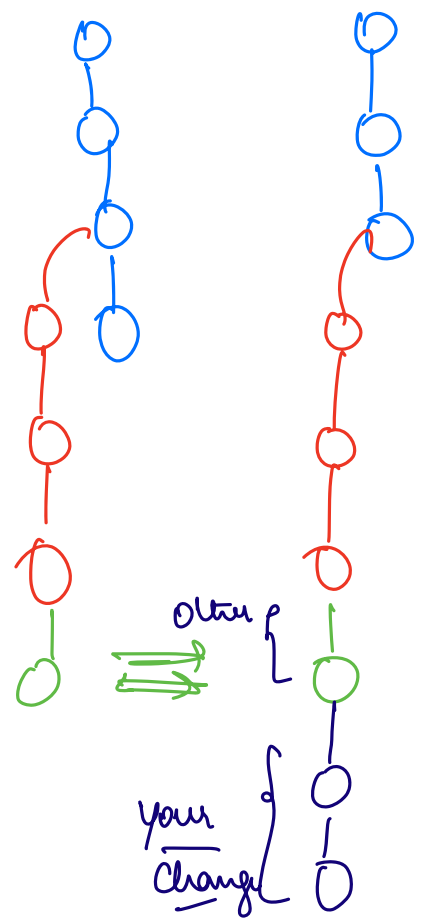   copy of the remote as well.

GITHUB

Present
Here
1

Not
Present
Here

READ-ONLY

git merge /Origin/1

Way1 : git fetch + git merge
                              ||
                  → git pull

Read Only

Read and Write

Commit history will become weird.

V/S

Other {

your Change {

① | ① git fetch origin
②
git rebase origin/master ③

② git merge origin/master

git pull --rebase
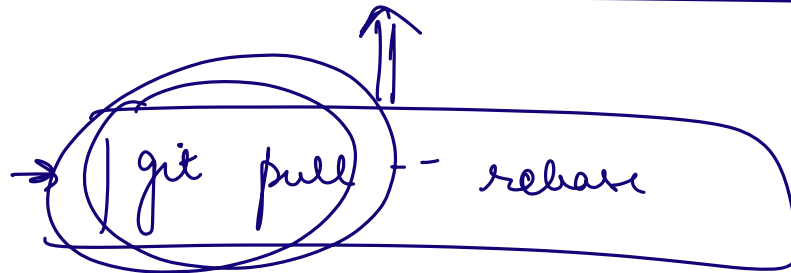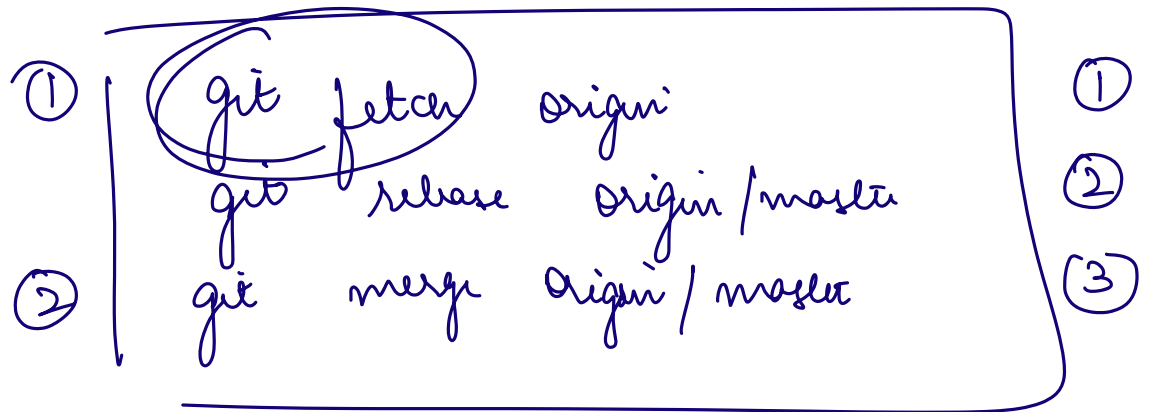
WORKING ON GITHUB (How to contribute to a code on git)

① By default you don't have access to Github repo owned by others.
⇒ only read access.

H/W
① Complete learngitbranching
② Create your PR

No classes from 24th Dec → 1st Jan

Next Class: Spring Boot

① Install IntelliJ Ultimate
② Install Java 17
③ Watch all git classes
(Not a prereg)
Atleast watch 1st class.