

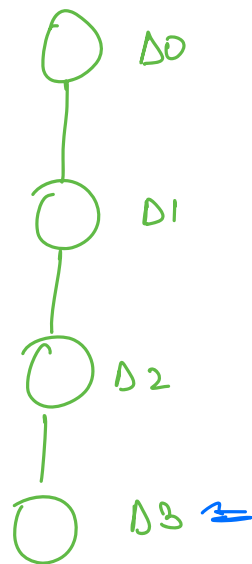
Will start at 9:10 PM

Agenda

- ① Git Branching
- ② Merge
- ③ Release
- ④ Merge v/c Release.
- ⑤ HEAD in Git

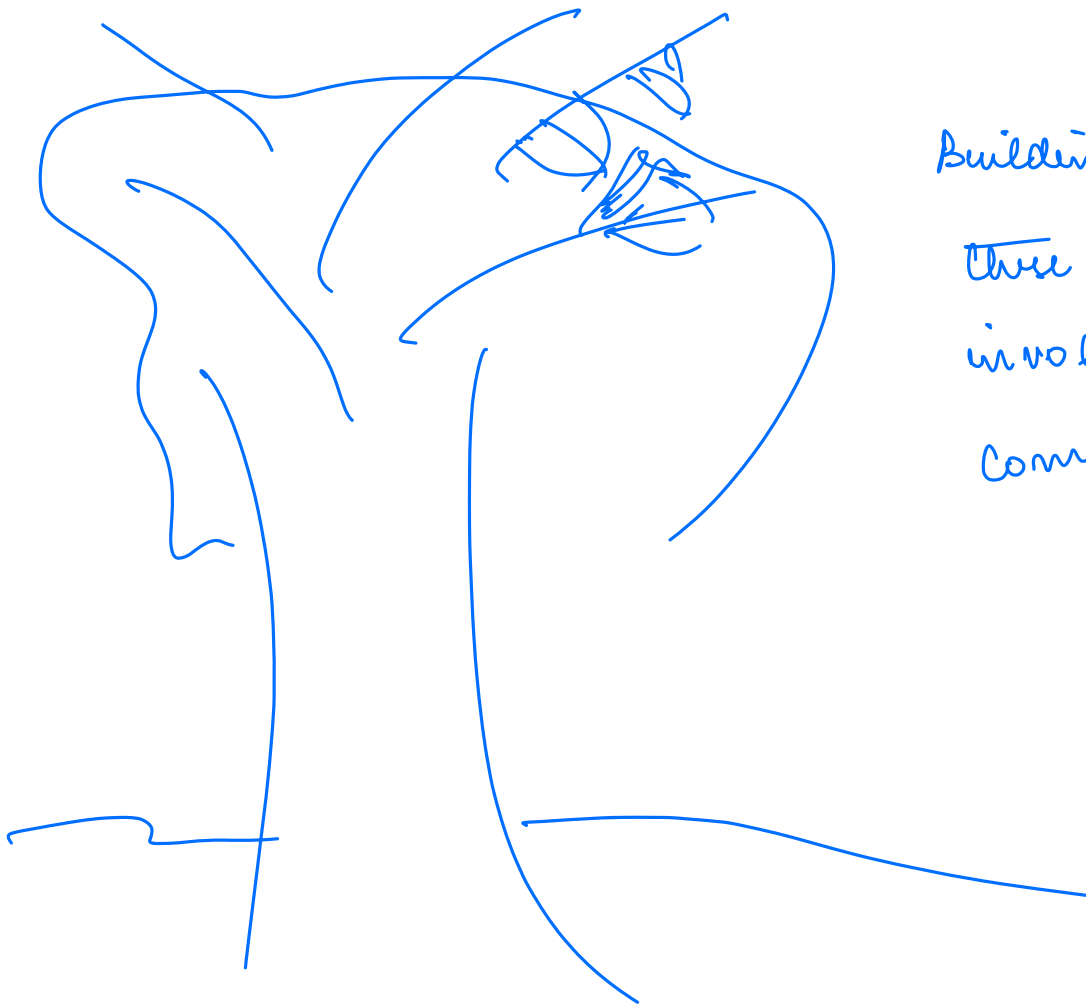
optional → ⑥ Git Remote
else in next
class.

Git Branching

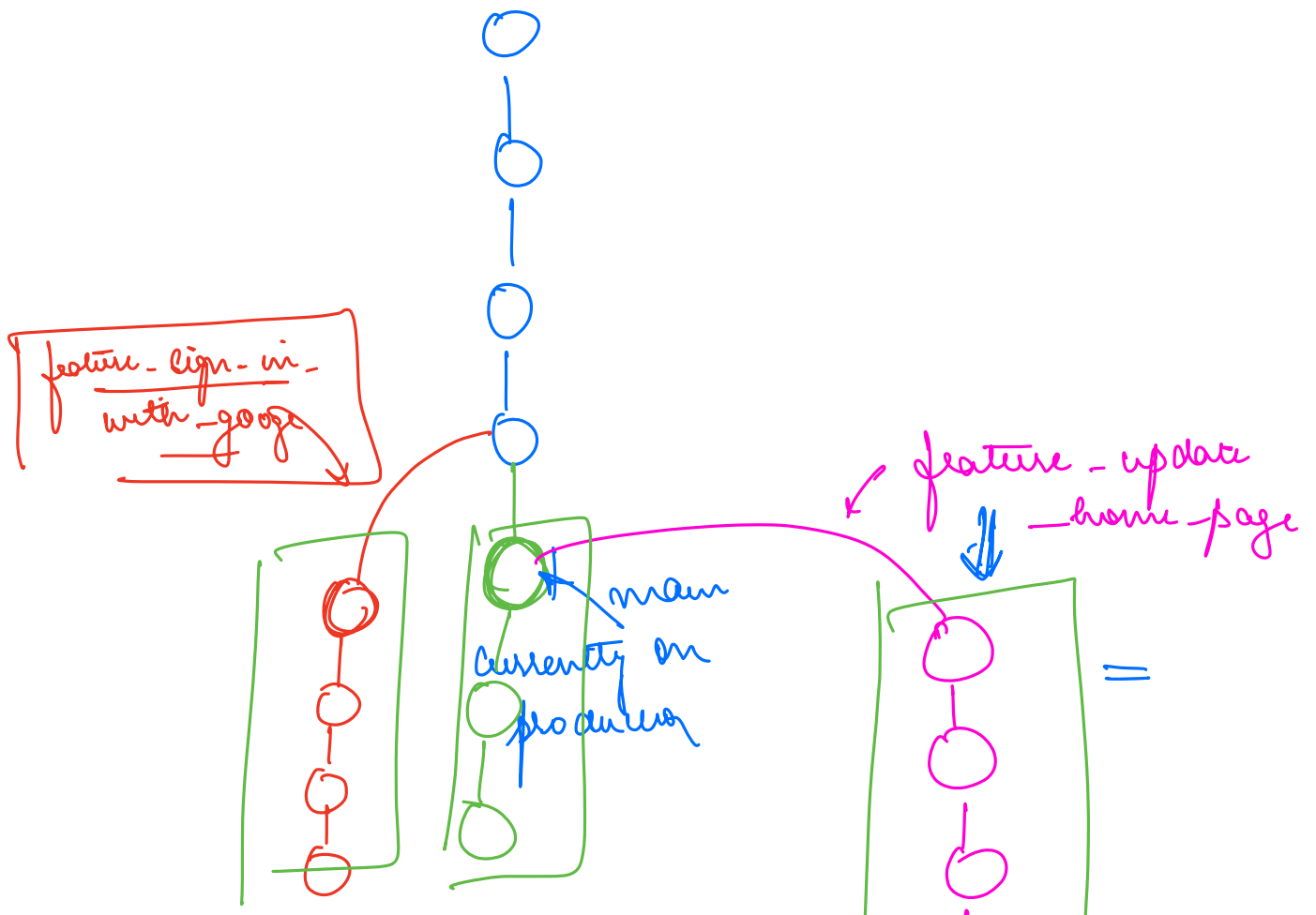


- a.) add google key
- b.) create v1 build

- P1: feature to add
sign in with
Google on Scaler
- P2: Changing the v1
of Scaler.com/academy
- a.) update instructor
image
 - b.) change colour of



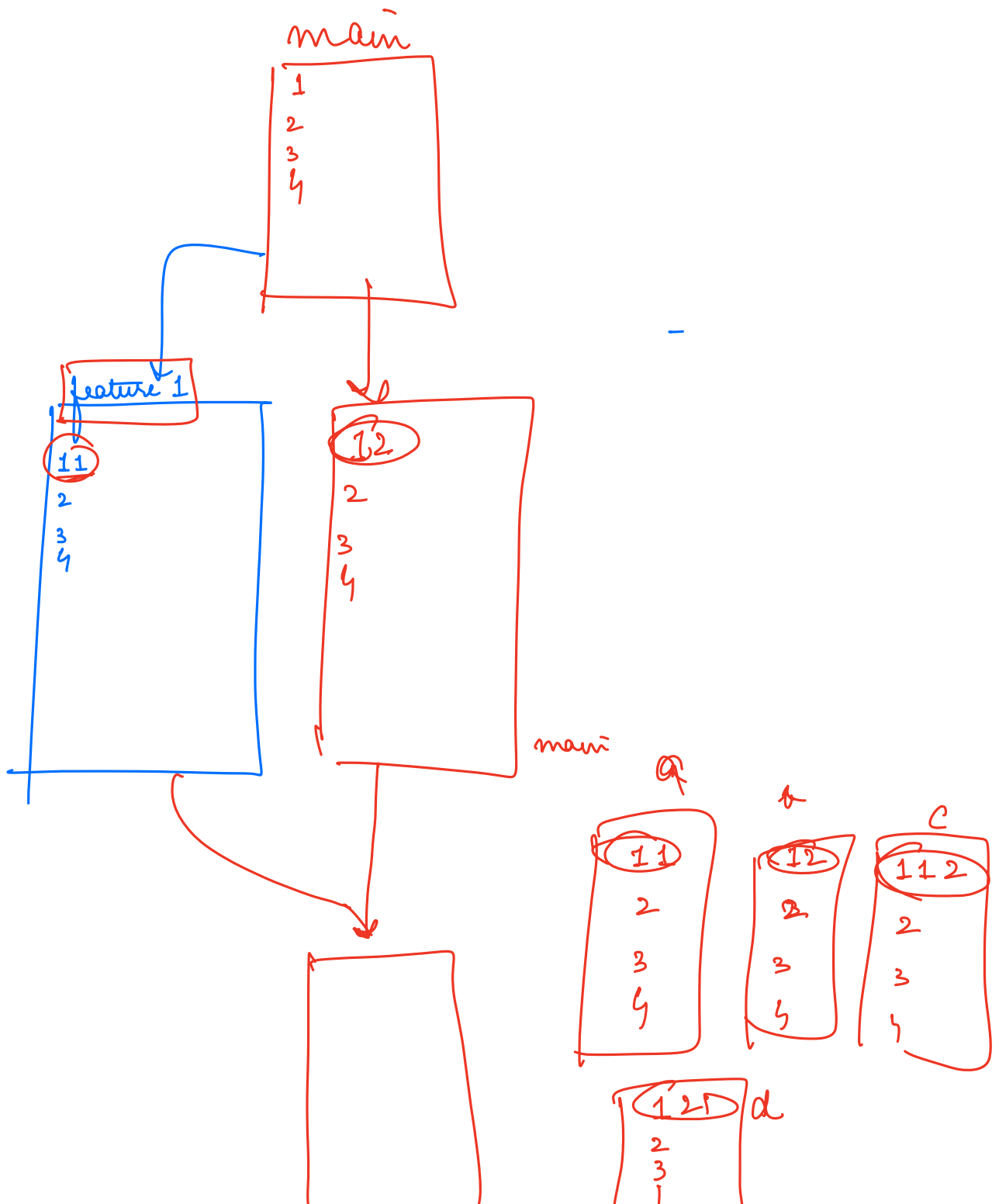
bulk
Building both of
these features will
involve a lot of
commits

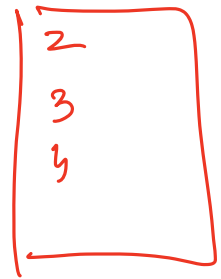


Git Merge

→

command used to bring changes from 1 branch into another branch

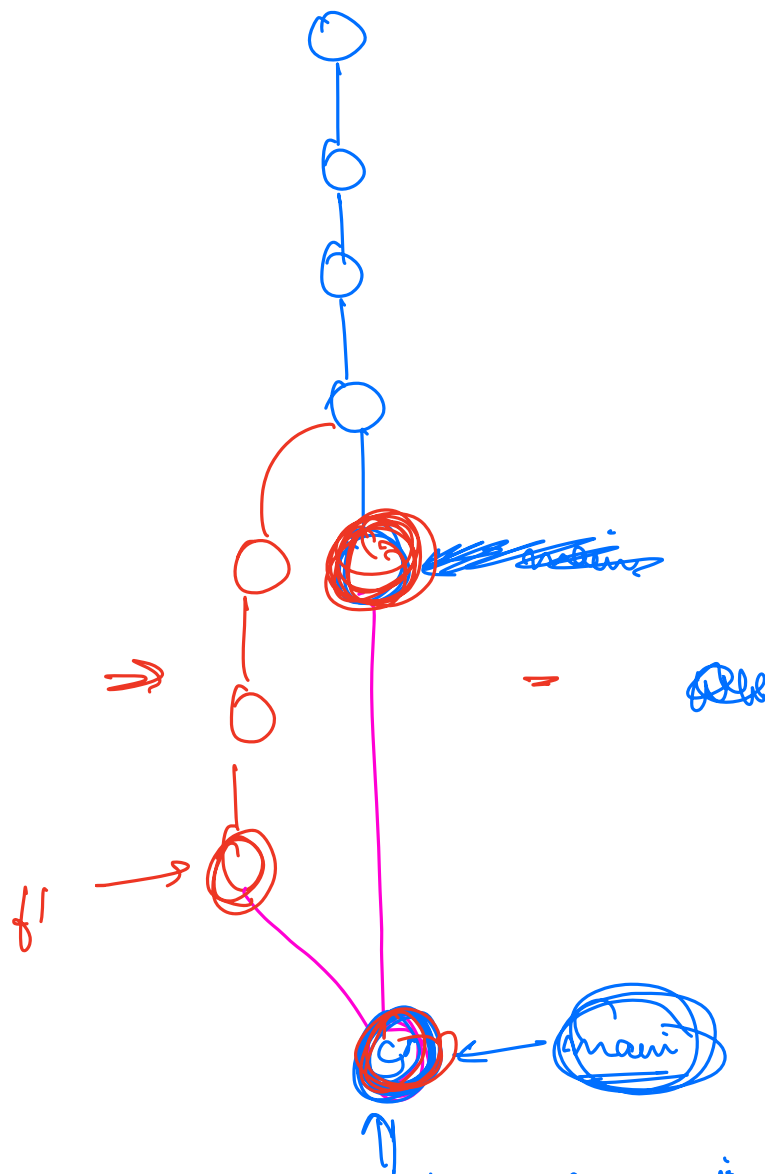




Merge Conflict

When you try to merge all changes of 1 branch into another branch where also some other changes have happened, sometimes there can be a conflict in merging those as git might not be able to judge how final code should look like

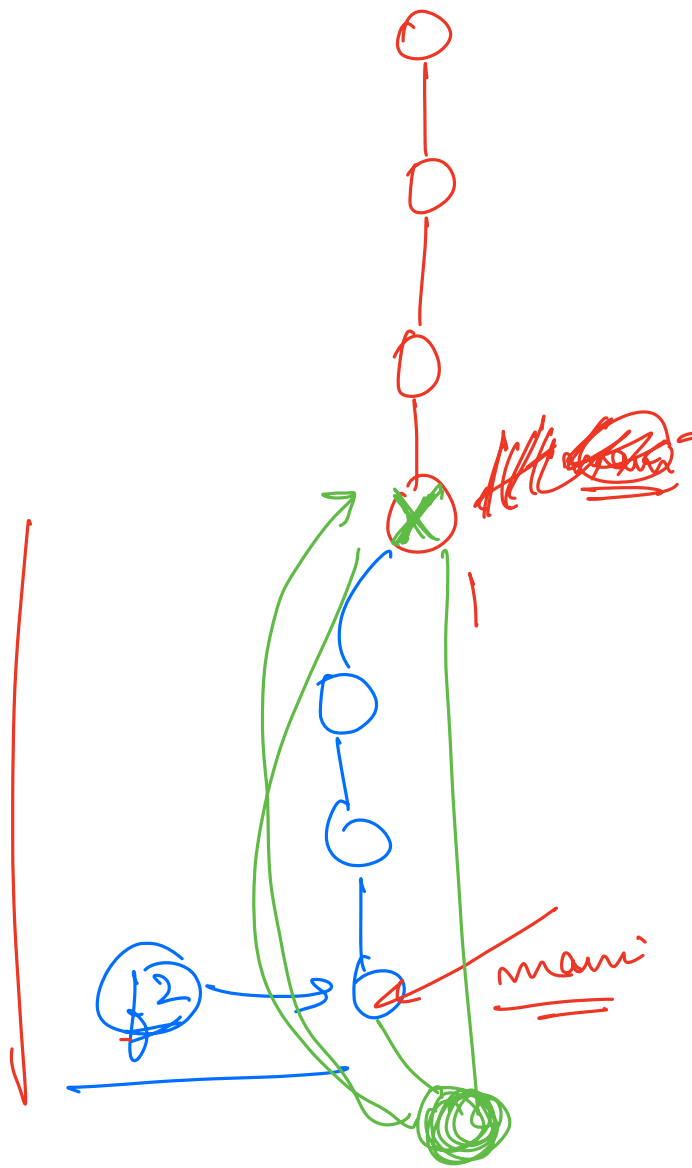
⇒ ambiguity on how final file should look like



Merge Commit

Why: Some changes in f1 not in main and vice versa

⇒ A branch is nothing but variable name pointing to a commit



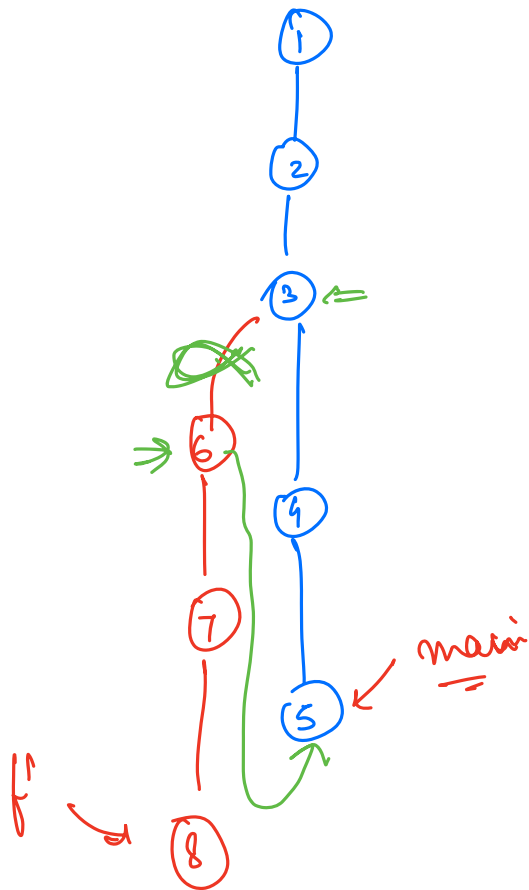
⇒ Merge f2 into
main

⇒ I can just
move main
pointer

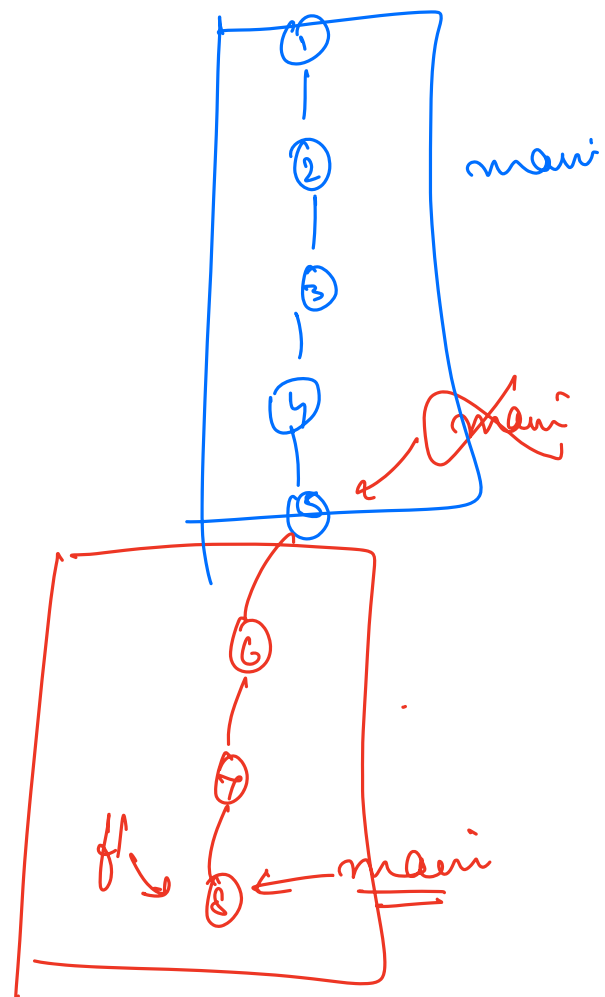
⇒ Fast Forward Merge

○

Git Rebase allows to rebase all the changes you have done in a new branch below the latest change in another branch



in f1
git rebase main



if you keep doing rebase to main branch
often
when you will merge \Rightarrow fast forward merge

Good Practice \Rightarrow Rebase \Rightarrow Merge

Direct Merge
(a)

V/S

Rebase \Rightarrow Merge
(b)

Rebase	f1	ONTO	main	from f1:
Merge	f1	INTO	main \Rightarrow	git rebase main from main ; git merge f1

HEAD

→ special variable in git that points to the latest commit

↓

commit on which

any new commit
will be made.

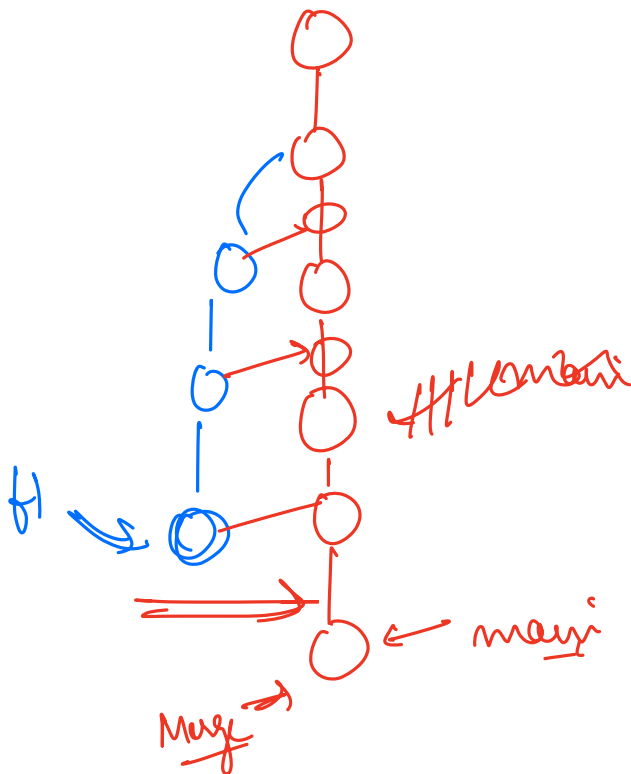
Detached HEAD → When HEAD variable isn't pointing to a branch but to a commit

→ A new commit may be
lost if on a detached
head

H/W

- ① Read Doc till 'HEAD in Git'
- ② Do learningit Branching section 1 completely

Merge: Bring all changes of 1 branch into another branch



- ① Go to main
git checkout main
- ② Bring changes of f1 into
main
git merge f1.

Rebase

