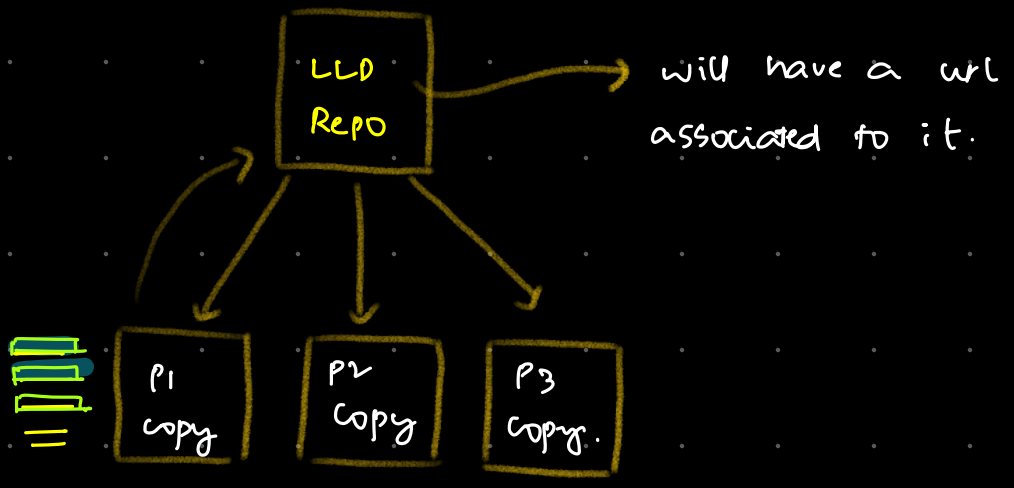
Today's content

1. What is clone
2. commit
3. branching
4. merge

cloning

When a copy of the codebase is taken into someone else's machine, its called (git) cloning.



Steps

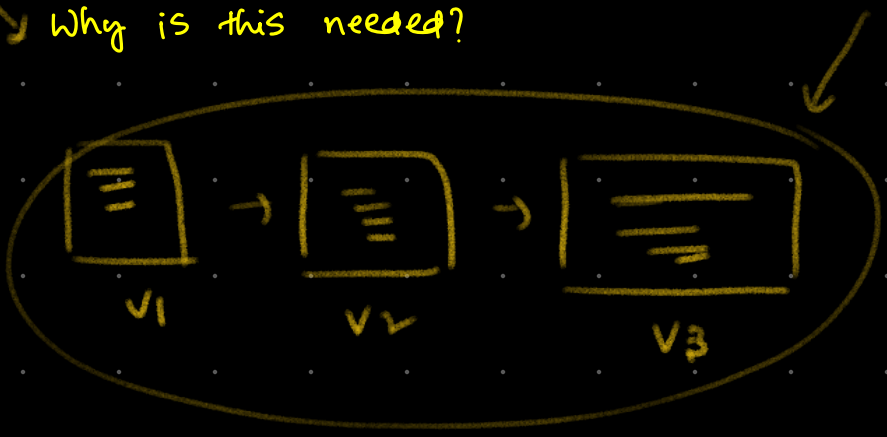
1. You can clone / create a git project. } git clone / git init
2. Youll make some changes in your local copy.
3. Youll specify the files that you want to be saved. } git add ___
4. Youll actually save the above files } git commit -m '___'
5. Youll need to push commits to the repo. } git push

Git vs Github

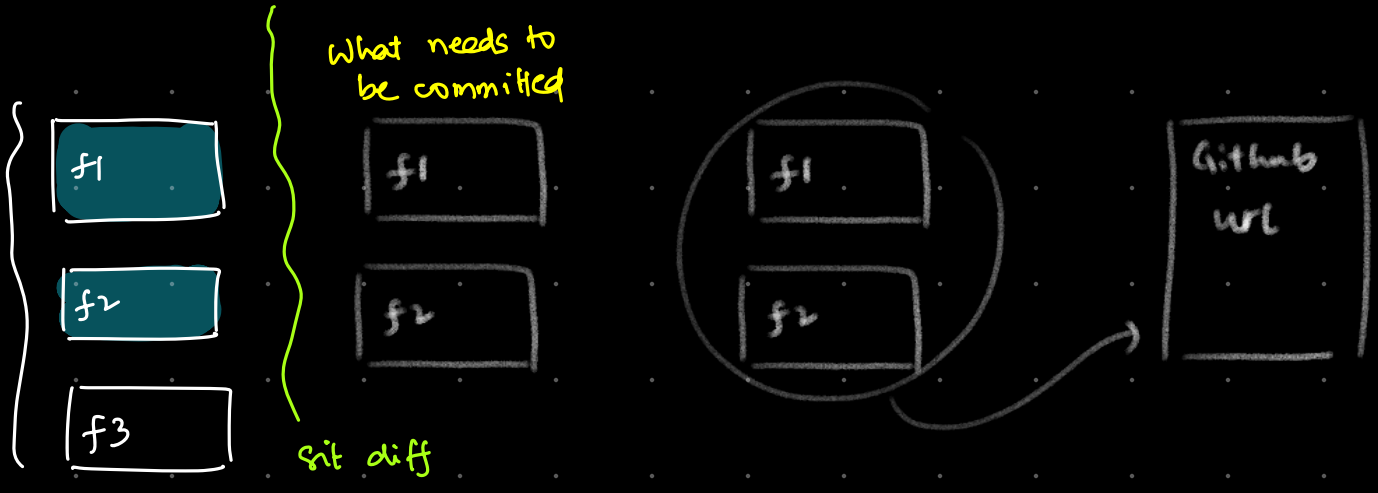
↓ A place where we keep our codebase

A software that we use for VCS.

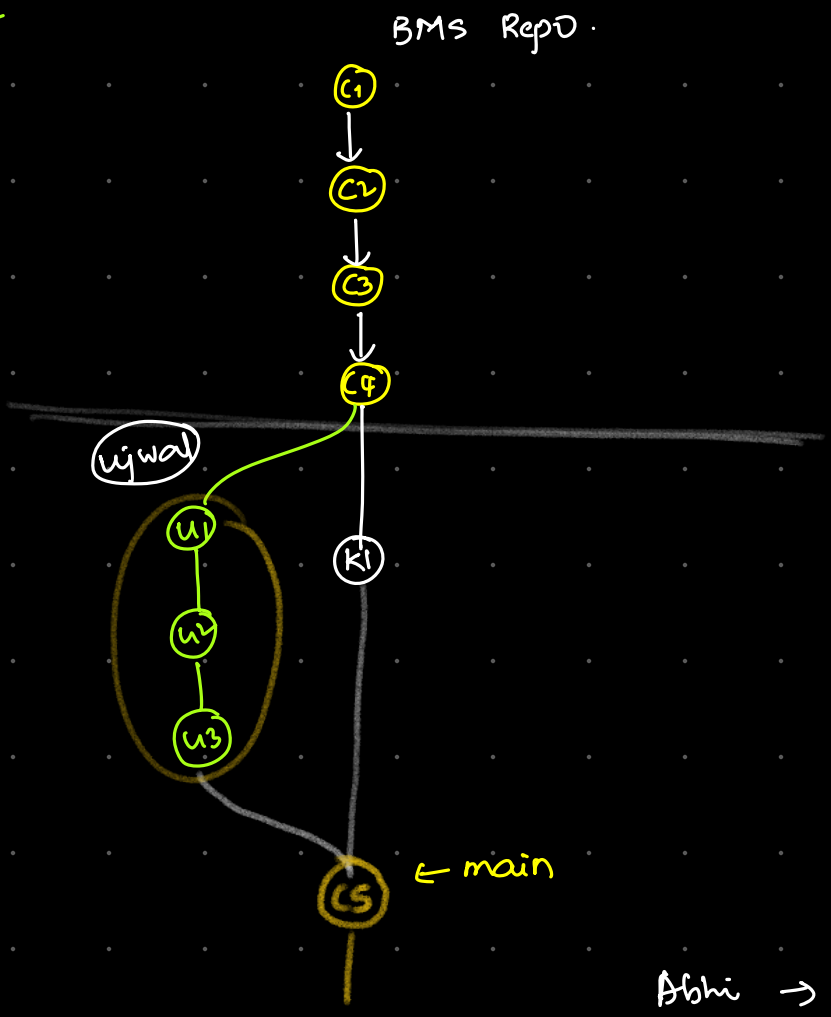
Why is this needed?



1. don't rely on local machine forever
2. you would want to collaborate with others.



git branch



git log:

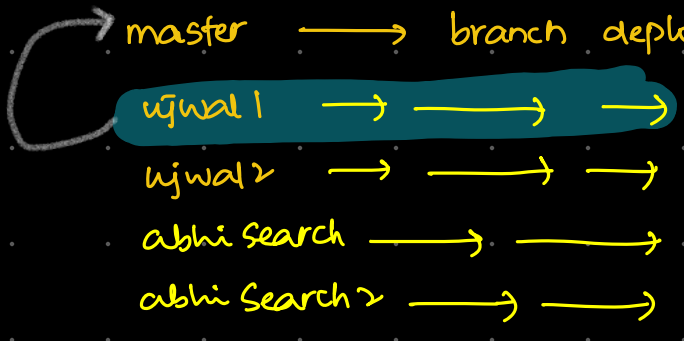
C5 U3 U2 K1 U1 C4 C3 C2 C1

Abhi → search

ujwal → user flow.

Keerthi → new feature

branches

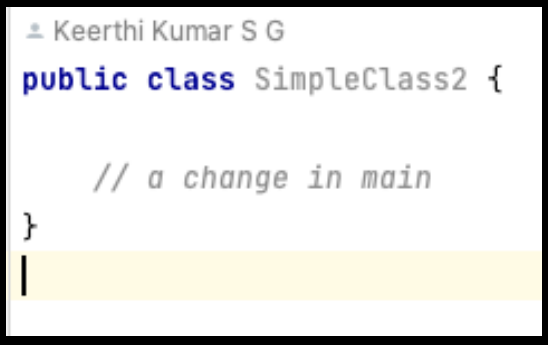


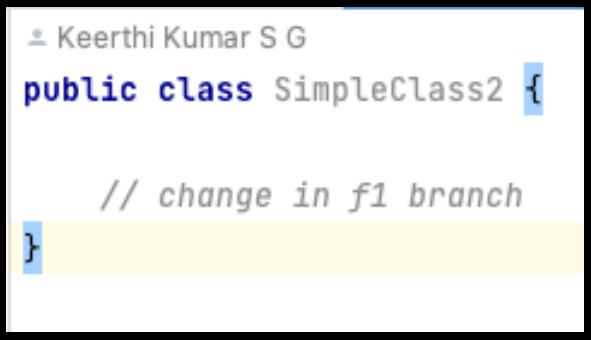
conflicts

public class SimpleClass2 {
}

main *

f1





=> git merge f1.

-> there are conflicts -> filenames

Please resolve them and then continue.

HW

1) Install git
2) Practice on gitbranch & intelliJ [Replicate what we did]
3) More practice - get your hands dirty
4) Create pull requests going ahead when you've doubt.
5) Push changes [try]
6) Create your own repo. [try]