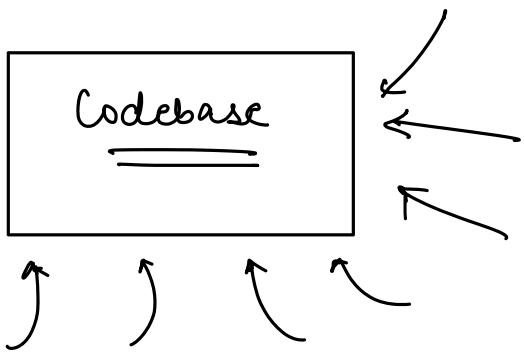
Agenda.

- → Intro to Version Control System (VCS)
- → Types of VCS
- → Intro to Git.
- → local vs Remote
- → Git Commands
  - → Commit
  - → init
  - → status
  - → log
  - → Clone.

Version Control System



→ History of code changes.

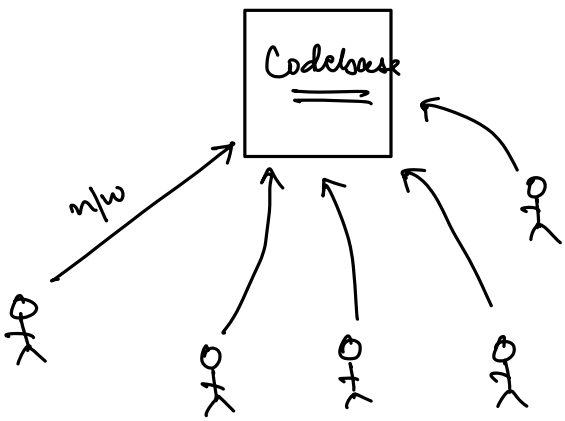
VCS is a software that helps us in storing & maintaining history of every change.

⇒ Maintains different code versions.

⇒ VCS allows the developers to work independently on a common codebase.

Types of VCS.

Centralized

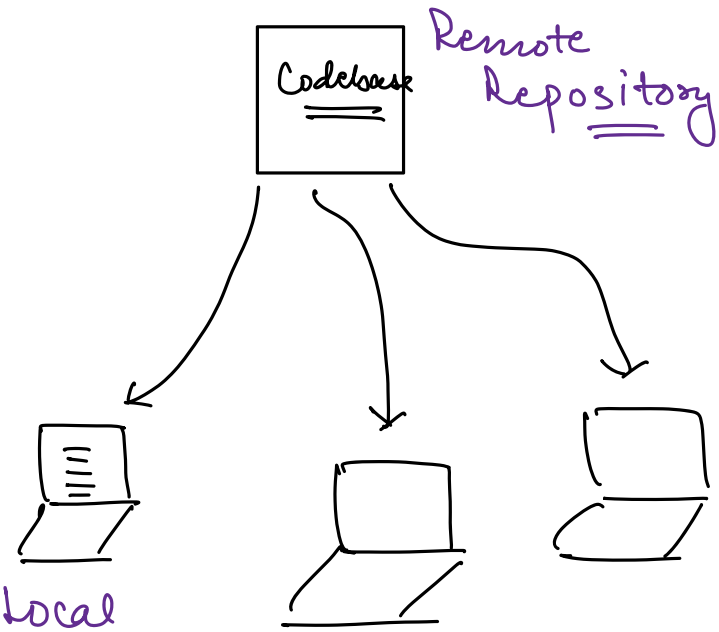


→ All the code changes or versions are present at central server.

→ Every developer needs to be online in order to make changes.

→ SPOF
↳ Single Point of failure

Distributed.



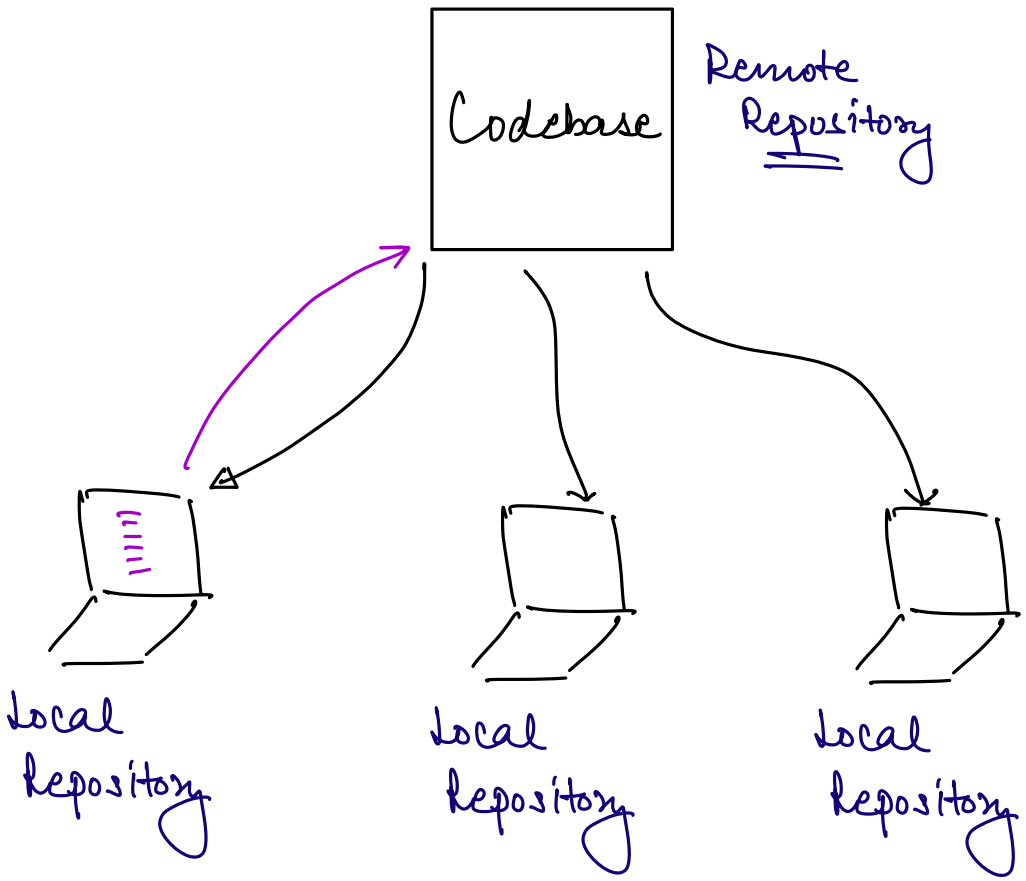
→ GIT

⇒ Linus Torvalds.
↳ Linux OS.

Repository ⇒ Project | Folder

masai nov batch | 27th NOV | =====

| 11th Dec | =====



→ Make the changes in local.

→ Save the changes in local.

→ Push the changes to remote.

#

→ Download git.

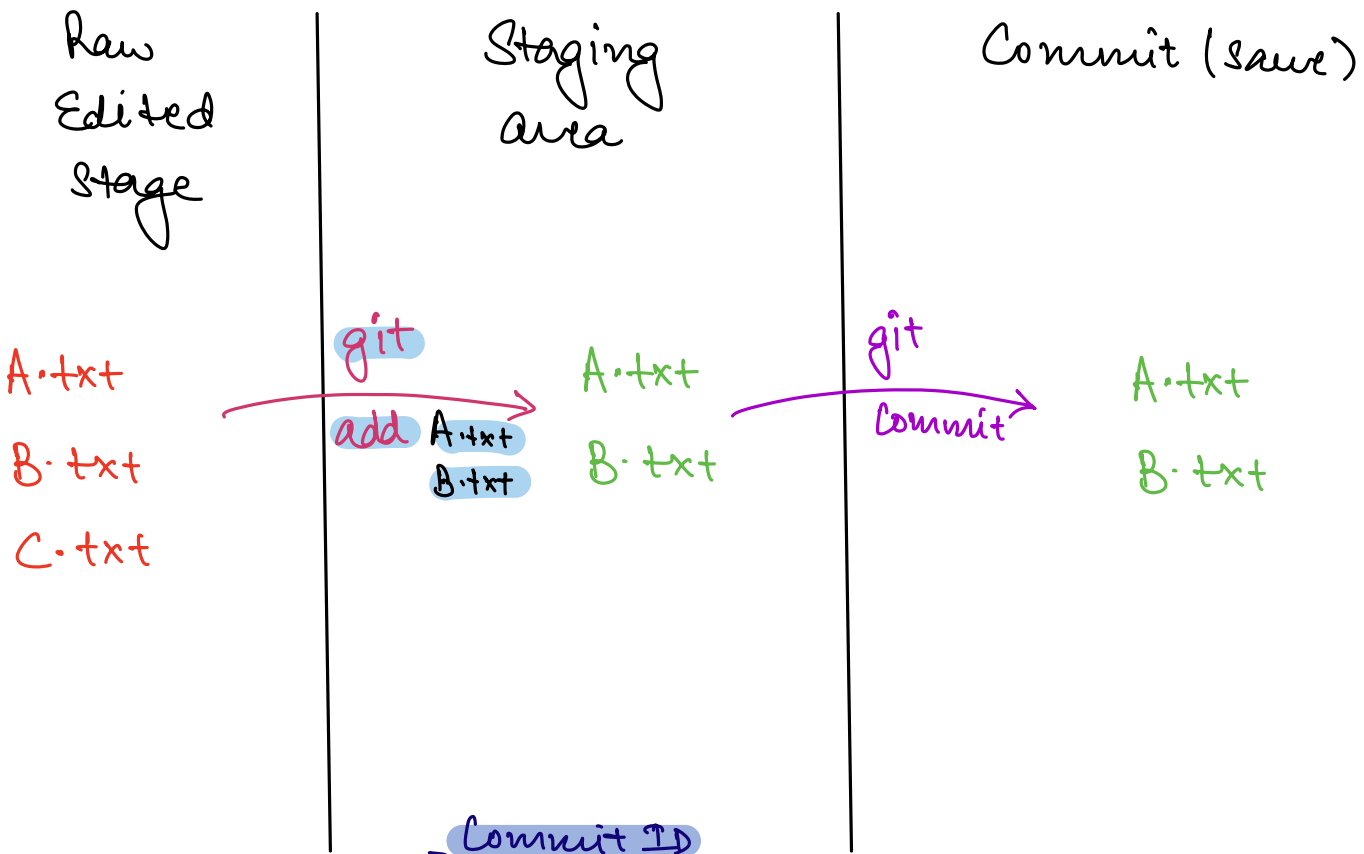
→ Create an Empty folder.

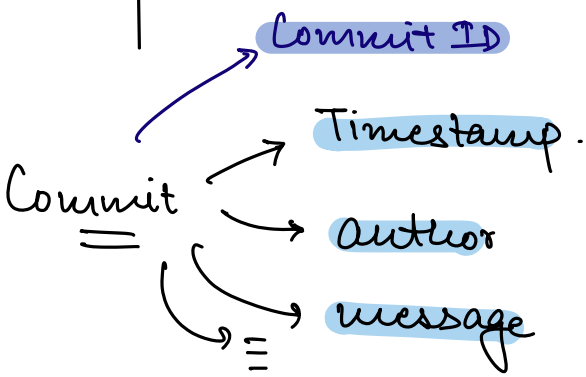
1) git init

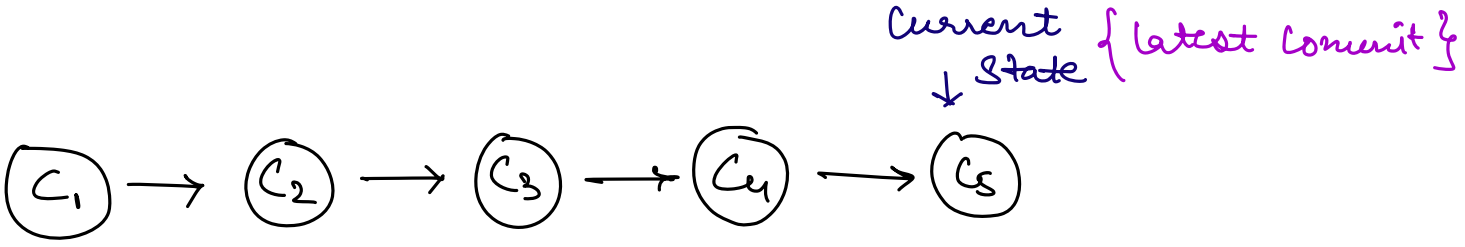
↳ Initialize the current project as git managed repository.

2) Make the changes.

3) git add Command.

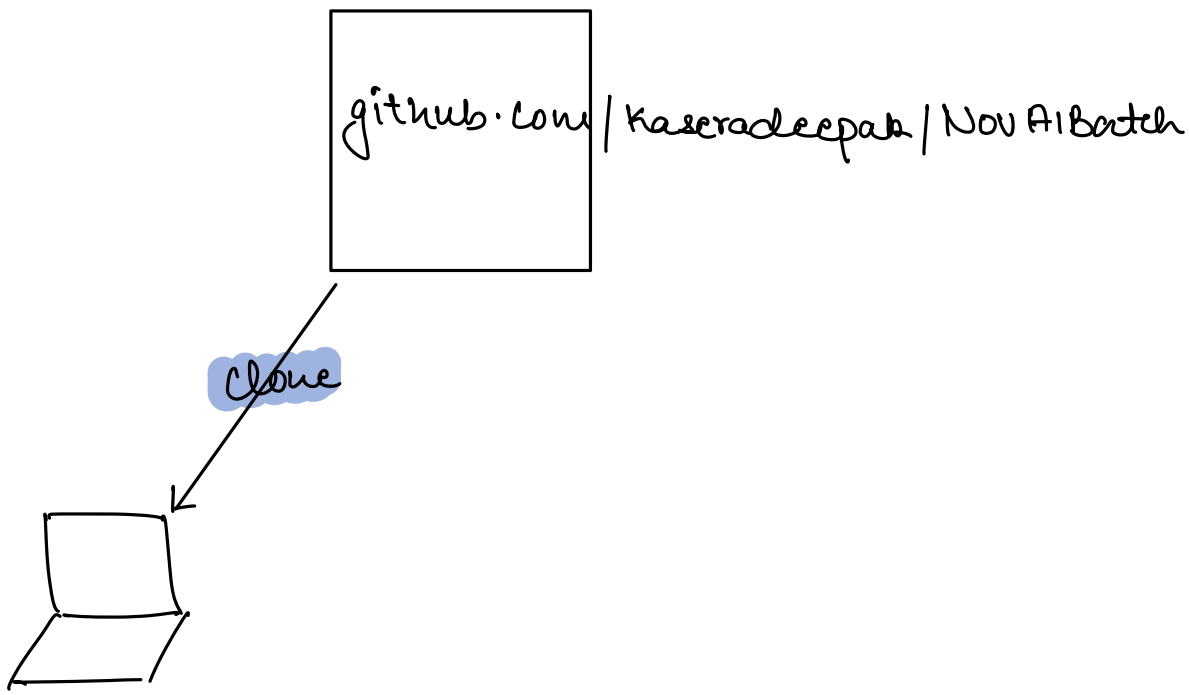




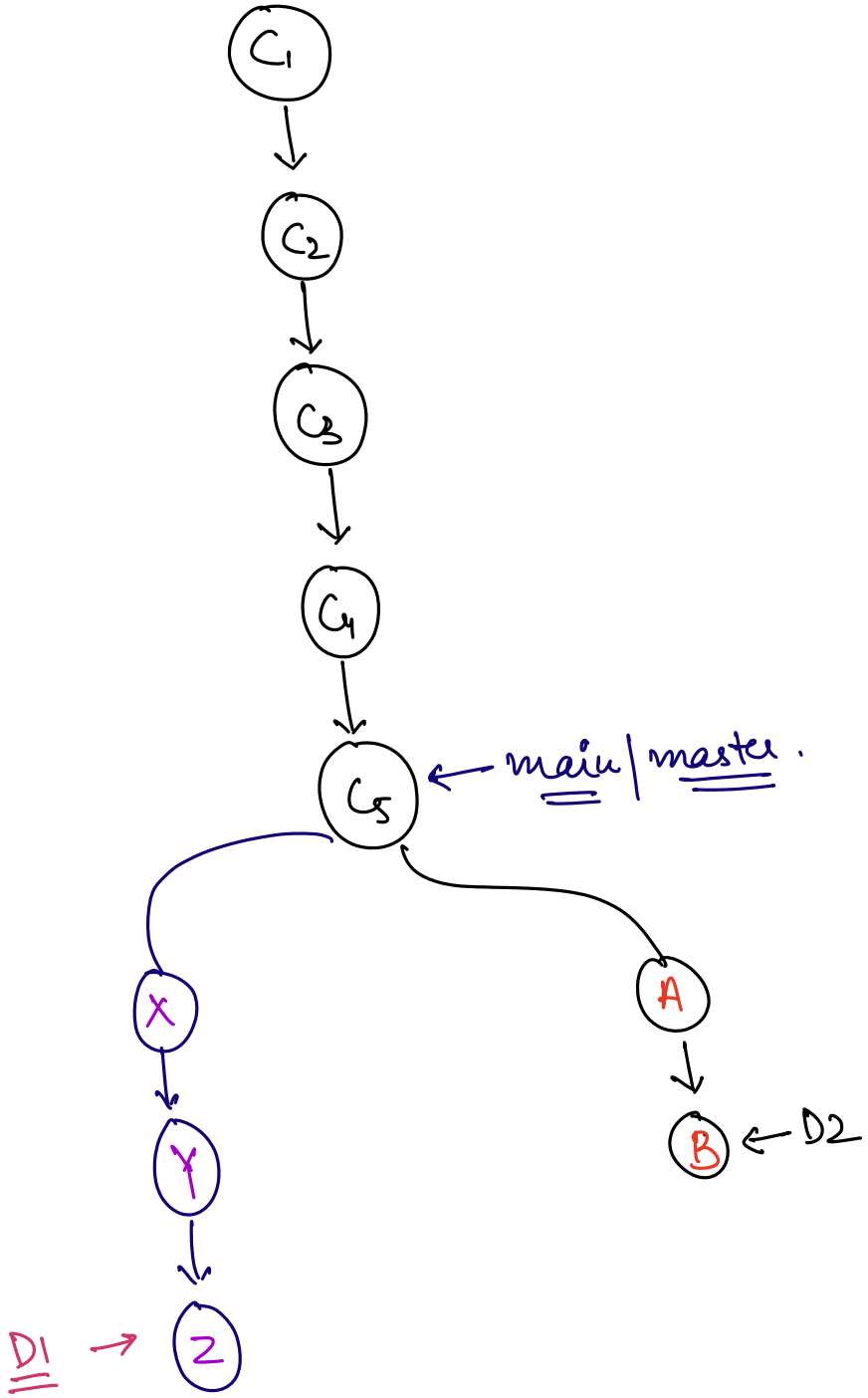


git log

↳ Gives us all the commits from latest to oldest.



Branch : A pointer pointing towards the latest commit.


C1
C2
C3
C4
C5
main | master
X
Y
Z
D1
A
B
D2