

5.Collaboration And Remote Repositories:

- ❖ Fetch the latest changes from a remote repository and rebase your local branch onto the updated remote branch.

Step 1:

- ❖ To fetch and rebase the remote repository to local repository, we will move to the already cloned repo.
- ❖ Initially before fetching the changes from the remote repo the last commit was “created onefile” after logging the commits.

Step 2:

- ❖ `git fetch origin/` `git fetch ->` This will fetch the latest changes from the remote repo that is the file named “special_note” which was created and committed.
- ❖ These changes after fetching will not be available in the working directory.

Step 3:

- ❖ `git rebase origin ->` This command is used to bring the changes which are fetched and present in the local repo to the working directory.
- ❖ After rebasing the remote branch to local branch, the commit which are made in the remote repo that will added to local branch.

```
arpitagalkar@LAPTOP-3584P7B4:~$ cd clone
arpitagalkar@LAPTOP-3584P7B4:~/clone$ git clone https://github.com/Akshatanaykodi12/Akshuu.git
Cloning into 'Akshuu'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.
arpitagalkar@LAPTOP-3584P7B4:~/clone$ git log
commit d895b337275cbdc627e42cc98587d87e42969ecf (HEAD -> master)
Author: Arpita <arpi@123gmail.com>
Date:   Fri Nov 29 19:12:50 2024 +0530

    1st line of Fb(V1)
arpitagalkar@LAPTOP-3584P7B4:~/clone$ cd Akshuu
arpitagalkar@LAPTOP-3584P7B4:~/clone/Akshuu$ ls
README.md
arpitagalkar@LAPTOP-3584P7B4:~/clone/Akshuu$ git fetch origin
arpitagalkar@LAPTOP-3584P7B4:~/clone/Akshuu$ git rebase origin
Current branch main is up to date.
arpitagalkar@LAPTOP-3584P7B4:~/clone/Akshuu$ git log
commit 37f6f04a04f13af58d139d1eddf54a6e7f5a1078 (HEAD -> main, origin/main, origin/HEAD)
Author: Akshatanaykodi12 <akshu.naykodi2005@gmail.com>
Date:   Sat Nov 30 19:16:23 2024 +0530
```

Initial commit