Git Practical Exam

Create one repository for practical and provide the link of it for review.

Work on below points:

1. Pull and Merge difference

- Make example of pull request and two branch merge event.

2. Rebase

- Try to rebase feature branch with master branch

3. Change commit message

- Commit push on commit in feature branch and then change commit message

4. cherry pick

- Pick some commits from feature branch to master branch

5. Drop commit

- Remove some commit from feature branch.

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Git config:

```
Last login: Tue Jan 10 11:40:22 on ttys000
[chetan@SF-CPU-3 Git Practical Exam % git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:    git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:    git branch -m <name>
Initialized empty Git repository in /Users/chetan/Desktop/Git Practical Exam/.git/
chetan@SF-CPU-3 Git Practical Exam % git config --global user.name "chetankochiyaniya"
chetan@SF-CPU-3 Git Practical Exam % git config --global user.email "ckochiyaniya950@rku.ac.in"
[chetan@SF-CPU-3 Git Practical Exam % git config --global color.ui true
[chetan@SF-CPU-3 Git Practical Exam % git config --list
credential.helper=osxkeychain
user.name=chetankochiyaniya
user.email=ckochiyaniya950@rku.ac.in
color.ui=true
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
core.ignorecase=true
core.precomposeunicode=true
chetan@SF-CPU-3 Git Practical Exam %
```

Starting:
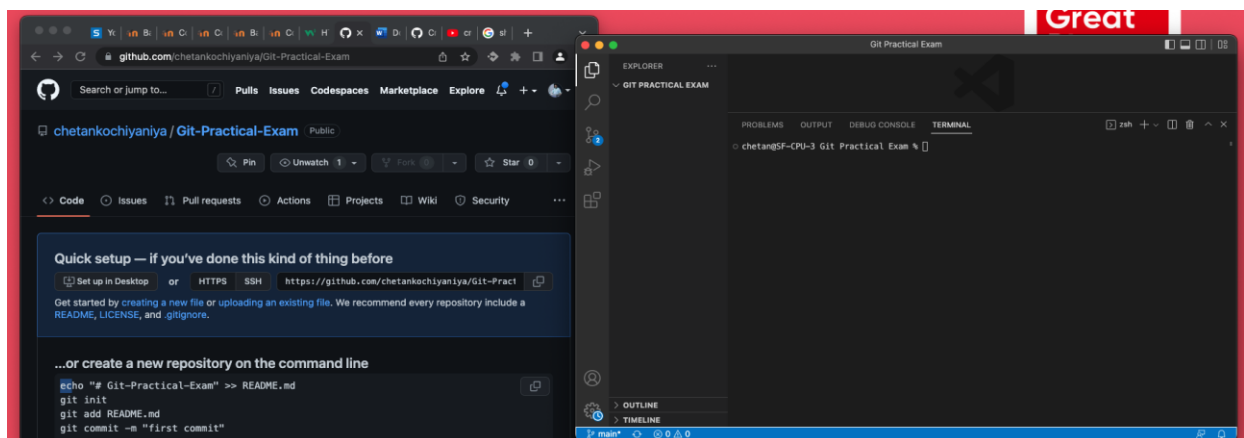
Crete new repo and done 1st commit :

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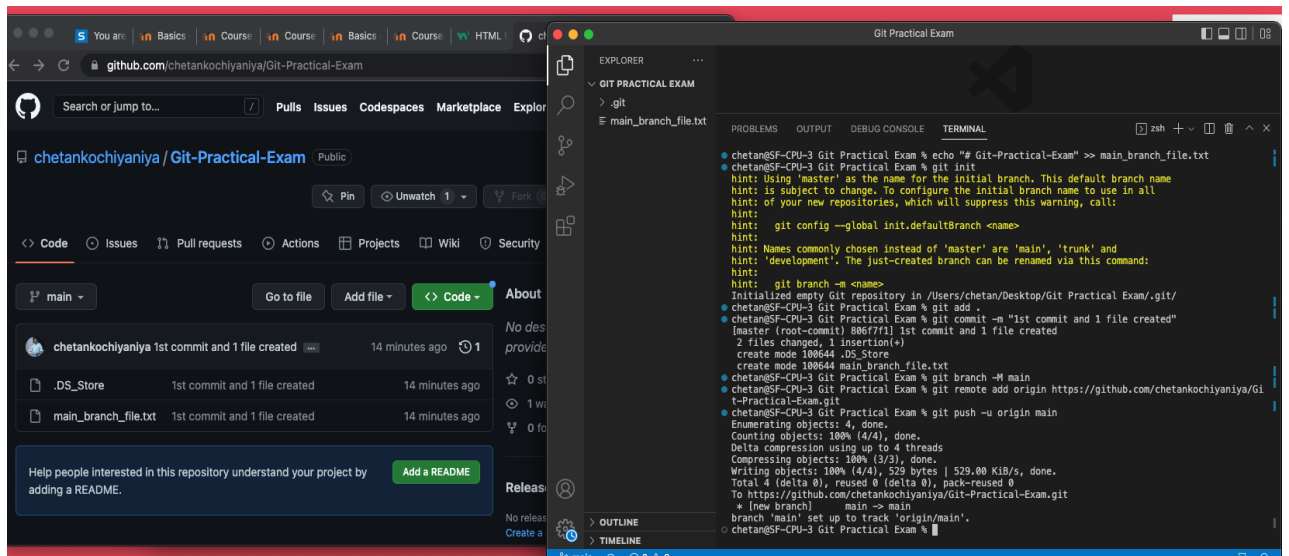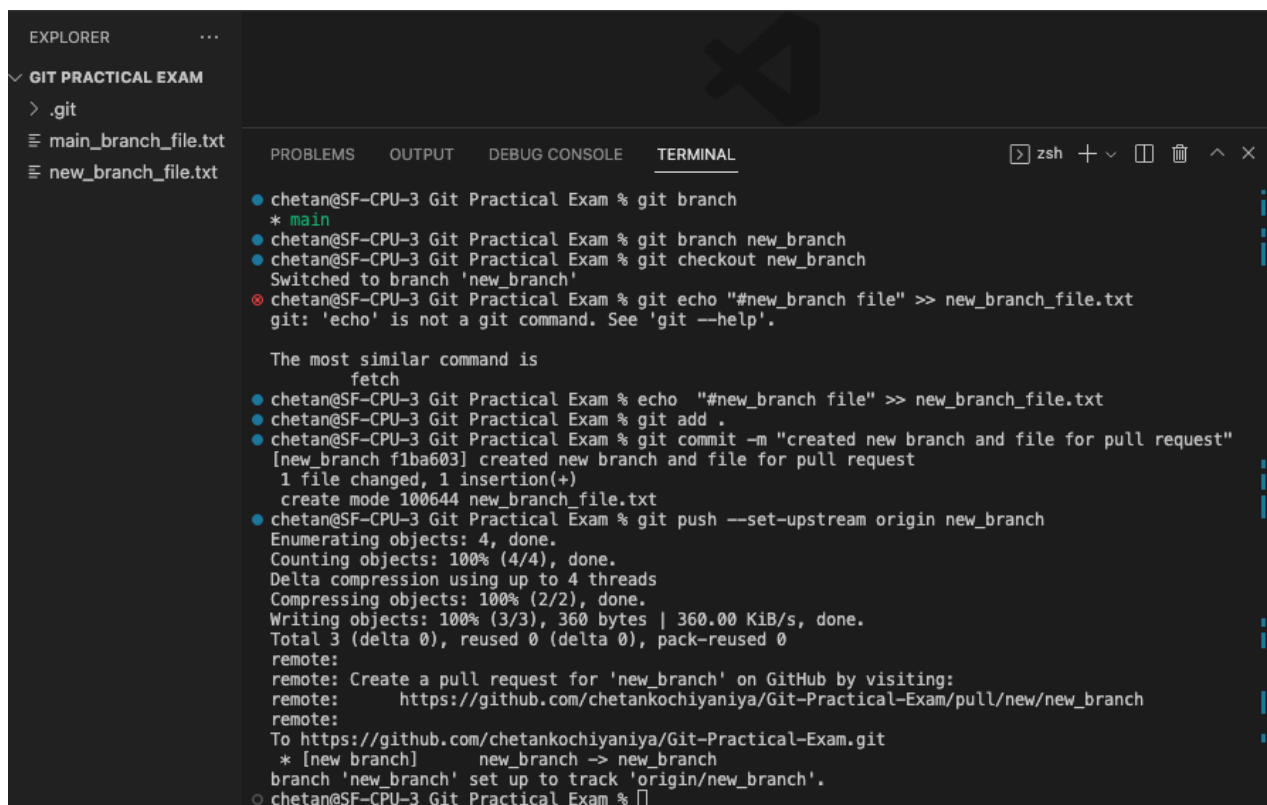
1 Pull and Merge difference

- Make example of pull request and two branch merge event.

Pull request :

- Create new branch and new file and make pull request:

Output:

Marge two branch:
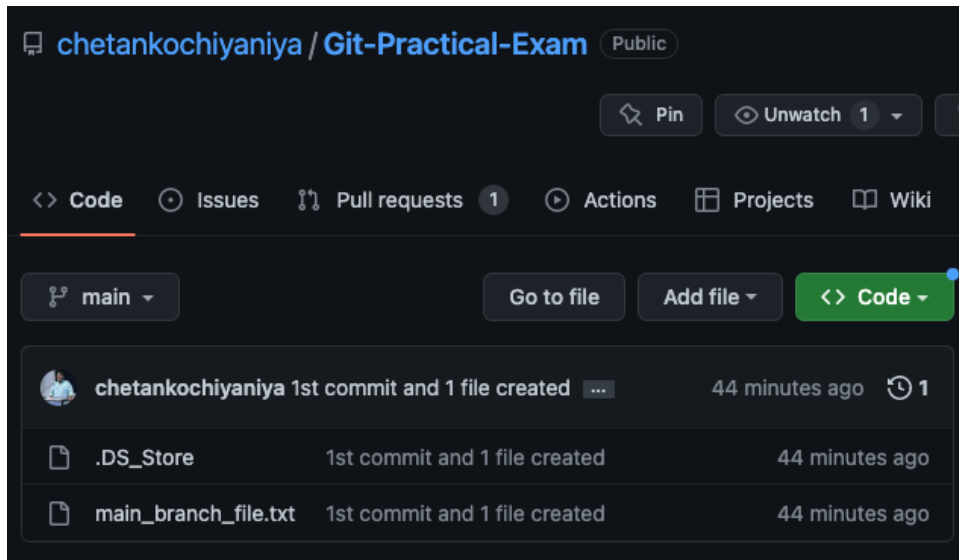
Before merge main branch:

Before merge new_branch
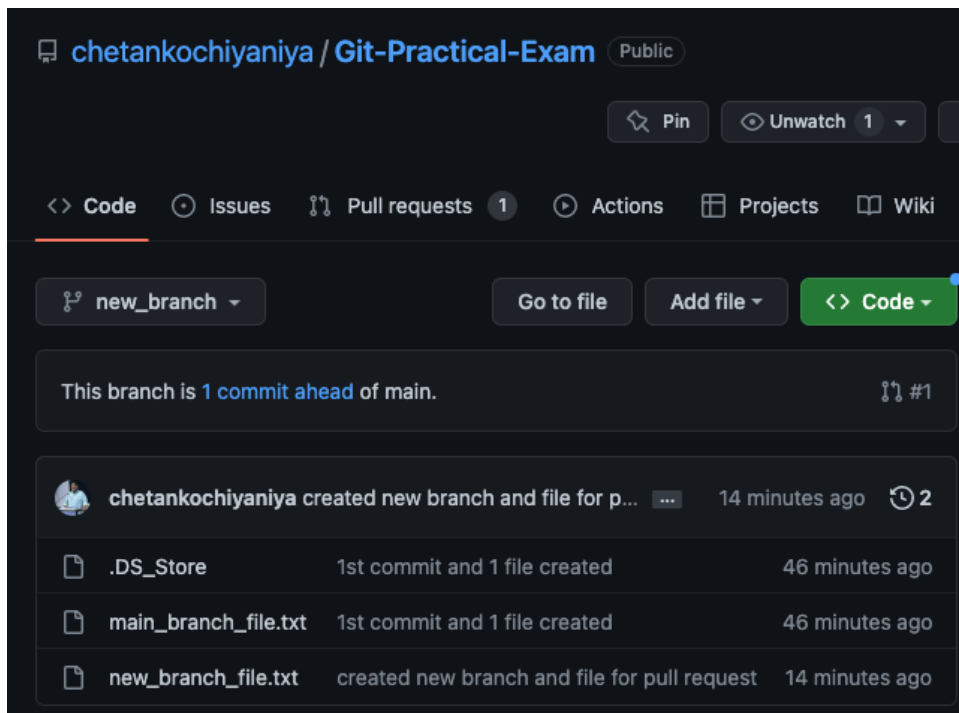
merge new_branch in main branch

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After merge the output of MAIN branch :
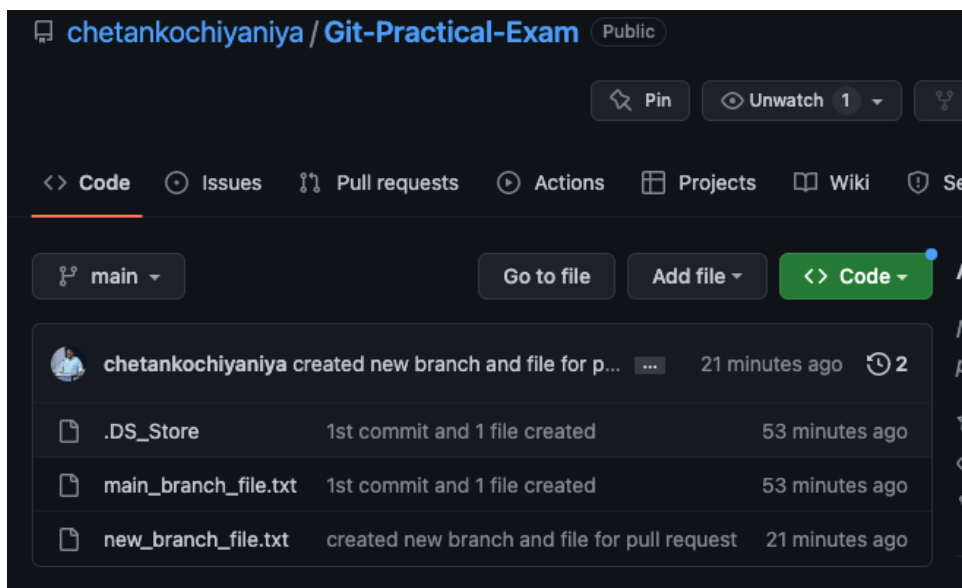
2. Rebase

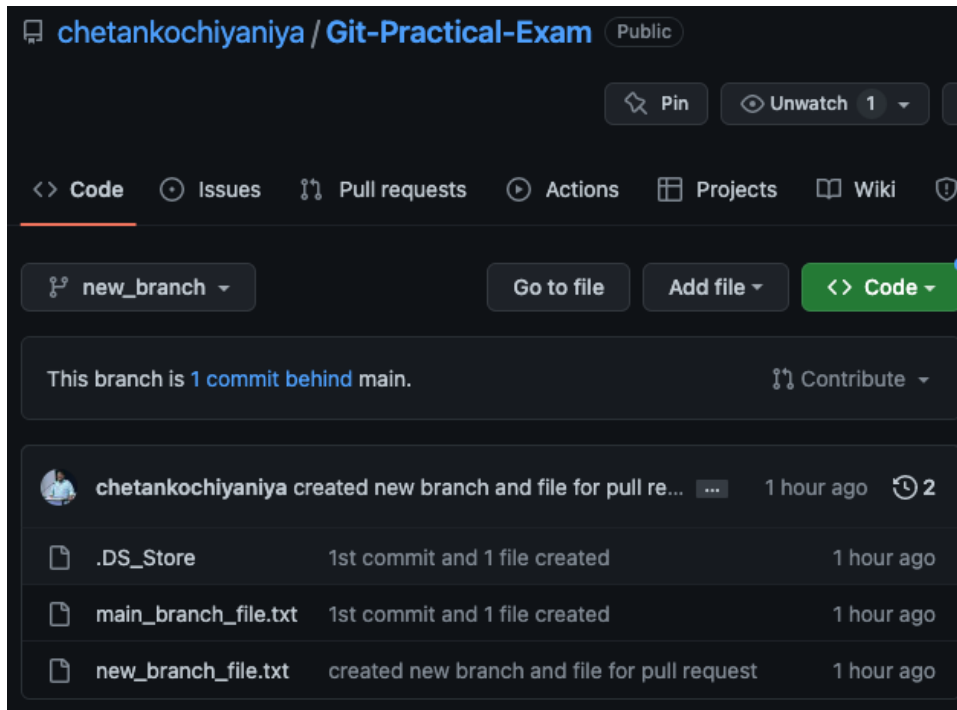Before rebase commode perform:

Create new file in main branch :

New_branch

Rebase command :

Output:

Preform rebase branch -> main branch to new_branch
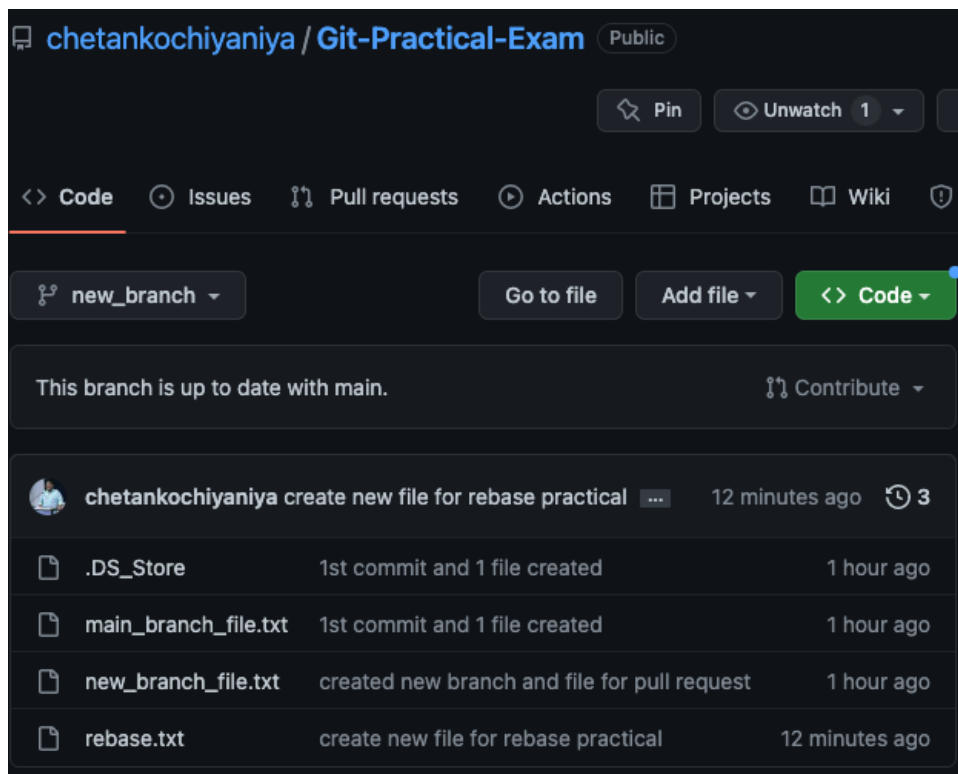
3. Change commit message

- Initial commit :

Wrong commit :

Commit message change:

```
chetan@SF-CPU-3 Git Practical Exam % git commit --amend
[new_branch 1469d34] Right commit
 Date: Tue Jan 10 16:46:00 2023 +0530
 1 file changed, 1 insertion(+)
 create mode 100644 commit_chnage.txt
chetan@SF-CPU-3 Git Practical Exam % git push -f
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 319 bytes | 319.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/chetankochiyaniya/Git-Practical-Exam.git
 + 68fae5b...1469d34 new_branch -> new_branch (forced update)
chetan@SF-CPU-3 Git Practical Exam %
```
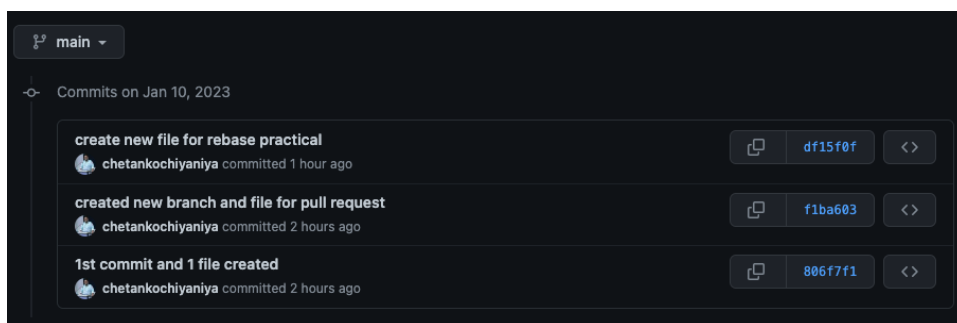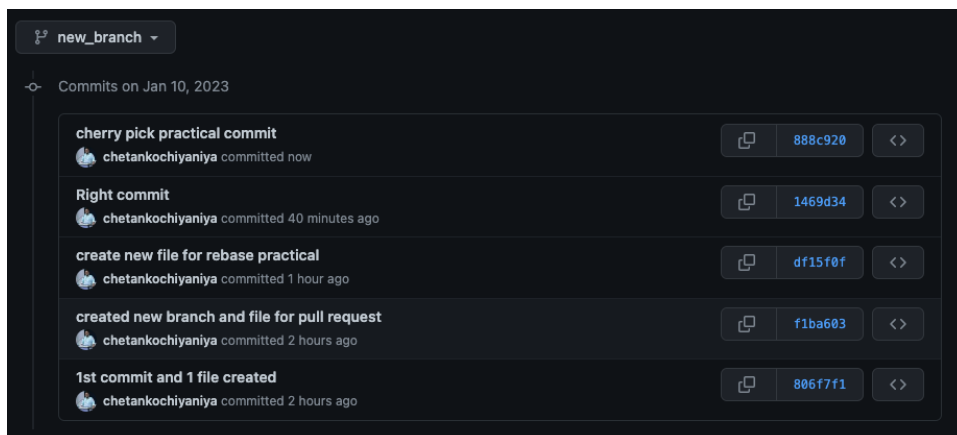
Output:
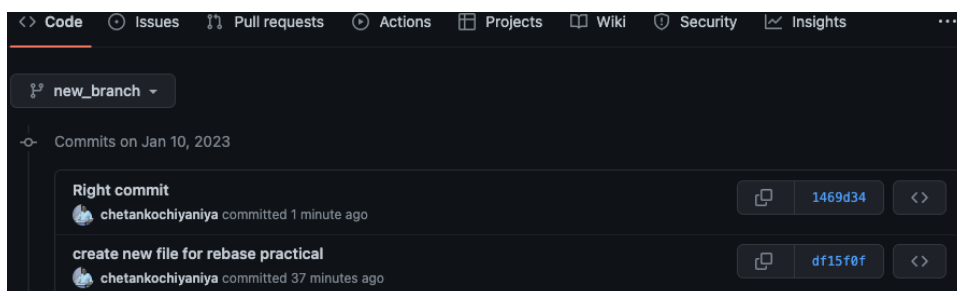
4. cherry pick

Before cherry pick in new_branch to main branch
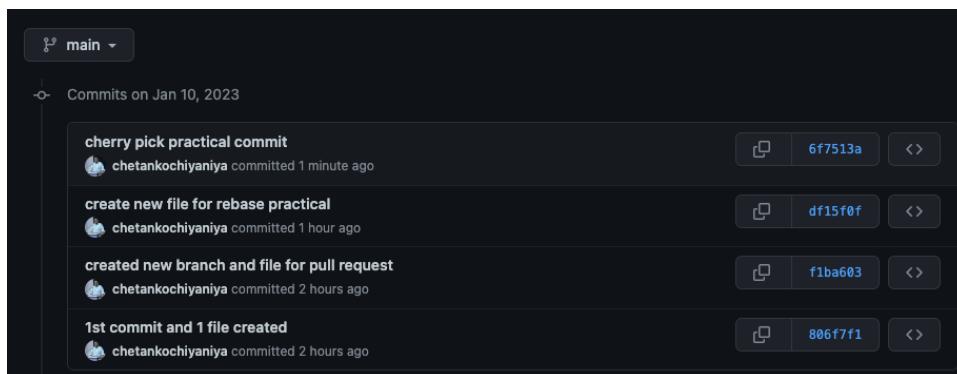
Before cherry pick :

Main branch commit :

New_branch commits:

Cherry-pick:

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output:

5 Drop commit

- Before Drop the commit :

Drop commit :

Output:

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new_branch ▾

Commits on Jan 10, 2023

cherry pick practical commit
chetankochiyaniya committed 33 minutes ago
888c920 ⟨⟩

Right commit
chetankochiyaniya committed 1 hour ago
1469d34 ⟨⟩

create new file for rebase practical
chetankochiyaniya committed 1 hour ago
df15f0f ⟨⟩

created new branch and file for pull request
chetankochiyaniya committed 2 hours ago
f1ba603 ⟨⟩

1st commit and 1 file created
chetankochiyaniya committed 3 hours ago
806f7f1 ⟨⟩