

Git Practical

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.


Initial setup


- I have initialized one repository in git_LMS_practical folder and made one file hello.txt and made some changes and then committed. Meanwhile I have created one repository named git_prac_repo in github. Then added its remote to the local repository and pushed all changes in github repo.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ 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 /home/smit/Desktop/git_LMS_practical/.git/
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "hello, how are you?" > hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git add .
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -m "created hello.txt"
[master (root-commit) 3736f7b] created hello.txt
 1 file changed, 1 insertion(+)
 create mode 100644 hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "hii" >> hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -am "inserted hii in hello.txt"
[master 671ad9d] inserted hii in hello.txt
 1 file changed, 1 insertion(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git remote add origin https://github.com/Smit202/git_prac_repo.git
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 493 bytes | 493.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Smit202/git_prac_repo.git
 * [new branch]      master -> master
```

uests Actions Projects Wiki Security Insights Settings

master 1 branch 0 tags Go to file Add file <> Code

 Smit202 inserted hii in hello.txt 671ad9d 48 minutes ago 2 commits

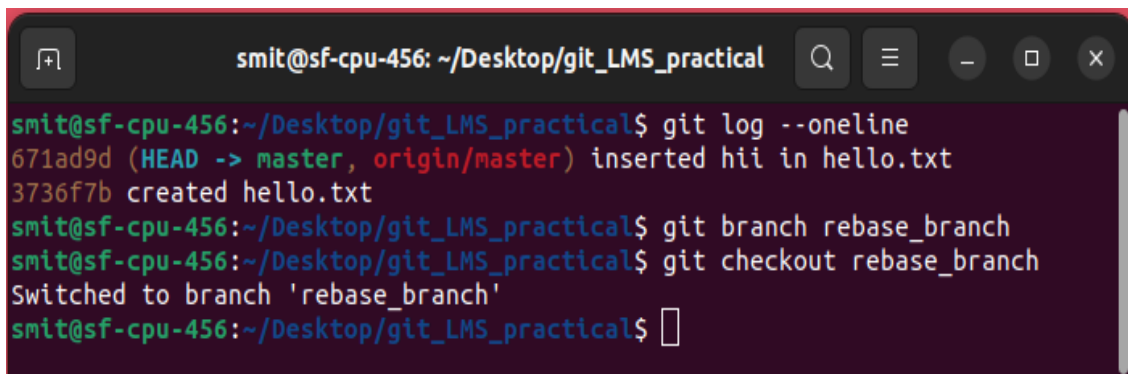
 hello.txt inserted hii in hello.txt 48 minutes ago

Help people interested in this repository understand your project by adding a README. Add a README

2. Rebase

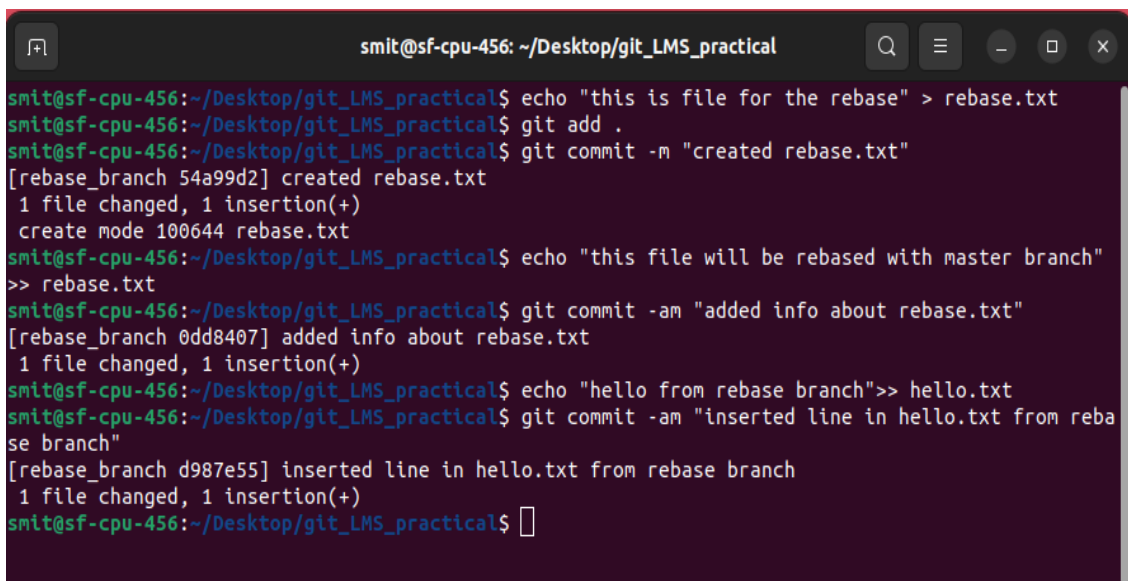
- Try to rebase feature branch with master branch

1. Create one branch named rebase_branch in local repo using git branch command. Switch to this branch using git checkout command.



```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
671ad9d (HEAD -> master, origin/master) inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git branch rebase_branch
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git checkout rebase_branch
Switched to branch 'rebase_branch'
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

2. Add file named rebase.txt make some changes and commit. Then insert one line in hello.txt and commit.



```
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "this is file for the rebase" > rebase.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git add .
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -m "created rebase.txt"
[rebase_branch 54a99d2] created rebase.txt
1 file changed, 1 insertion(+)
create mode 100644 rebase.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "this file will be rebased with master branch"
>> rebase.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -am "added info about rebase.txt"
[rebase_branch 0dd8407] added info about rebase.txt
1 file changed, 1 insertion(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "hello from rebase branch">> hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -am "inserted line in hello.txt from rebase branch"
[rebase_branch d987e55] inserted line in hello.txt from rebase branch
1 file changed, 1 insertion(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

- Now push this changes into remote repo and see commit history till now by git log command.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push origin rebase_branch
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 945 bytes | 945.00 KiB/s, done.
Total 9 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'rebase_branch' on GitHub by visiting:
remote:   https://github.com/Smit202/git_prac_repo/pull/new/rebase_branch
remote:
To https://github.com/Smit202/git_prac_repo.git
 * [new branch]      rebase_branch -> rebase_branch
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
d987e55 (HEAD -> rebase_branch, origin/rebase_branch) inserted line in hello.txt from
rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d (origin/master, master) inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

rebase_branch	2 branches	0 tags	Go to file	Add file	Code
This branch is up to date with master. Contribute					
Smit202 inserted line in hello.txt from rebase branch d987e55 42 minutes ago 5 commits					
hello.txt	inserted line in hello.txt from rebase branch		42 minutes ago		
rebase.txt	added info about rebase.txt		44 minutes ago		

- To rebase rebase_branch onto master first checkout to master branch and then run git rebase command.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git checkout master
Switched to branch 'master'
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git rebase rebase_branch
Successfully rebased and updated refs/heads/master.
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
d987e55 (HEAD -> master, origin/rebase_branch, rebase_branch) inserted line in
hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d (origin/master) inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

5. Now push this changes into remote repo.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Smit202/git_prac_repo.git
671ad9d..d987e55 master -> master
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
d987e55 (HEAD -> master, origin/rebase_branch, origin/master, rebase_branch)
inserted line in hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

master 2 branches 0 tags Go to file Add file Code

Smit202 inserted line in hello.txt from rebase branch d987e55 49 minutes ago 5 commits

hello.txt	inserted line in hello.txt from rebase branch	49 minutes ago
rebase.txt	added info about rebase.txt	51 minutes ago

master git_prac_repo / hello.txt Go to file ...

Smit202 inserted line in hello.txt from rebase branch Latest commit d987e55 49 minutes ago History

1 contributor

3 lines (3 sloc) | 49 Bytes

Raw Blame

1 hello, how are you?

2 hii

3 hello from rebase branch

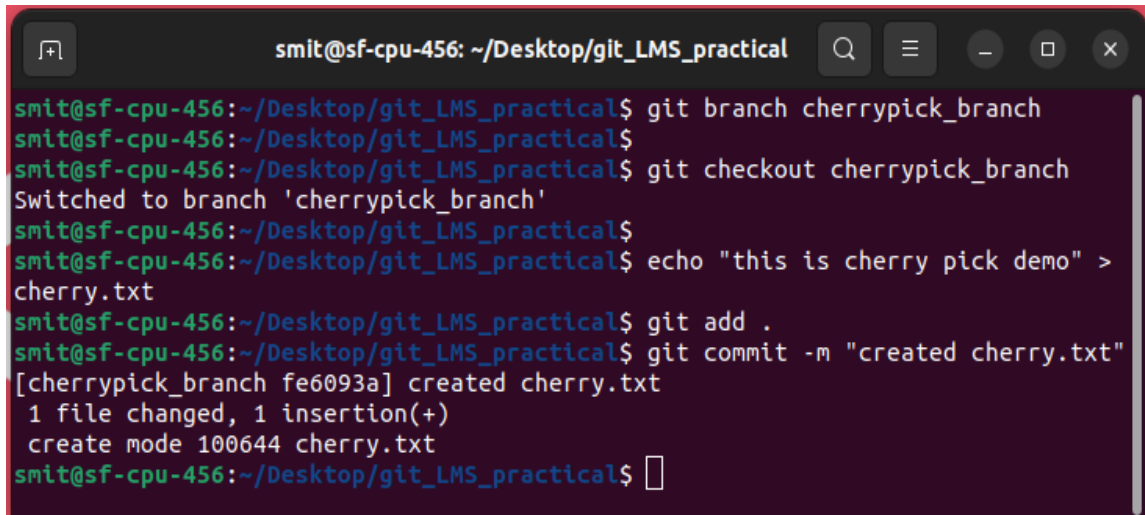
[Give feedback](#)

6. Here we can see that by rebasing feature branch onto master all the commits of feature branch are put on the tip of master branch commits.

3. Change commit message

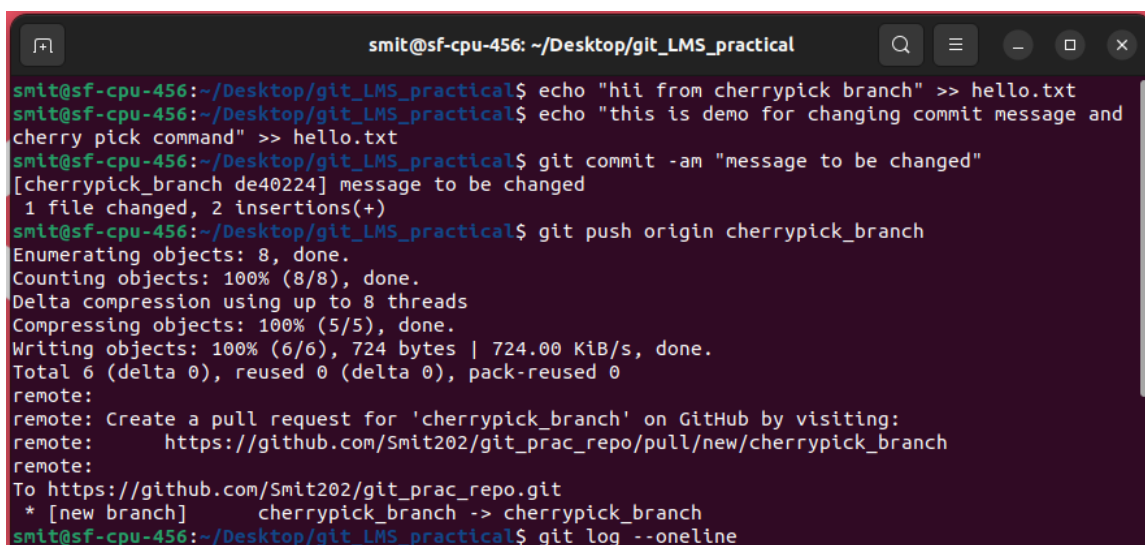
- Commit push on commit in feature branch and then change commit message

1. First create branch named `cherrypick_branch` and then checkout to that branch. Here create one file named `cherry.txt` and commit.



```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git branch cherrypick_branch
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git checkout cherrypick_branch
Switched to branch 'cherrypick_branch'
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "this is cherry pick demo" >
cherry.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git add .
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -m "created cherry.txt"
[cherrypick_branch fe6093a] created cherry.txt
1 file changed, 1 insertion(+)
create mode 100644 cherry.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

2. Now insert one line in `hello.txt` file inside `cherrypick_branch`, commit and push into remote repository.



```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "hii from cherrypick branch" >> hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "this is demo for changing commit message and
cherry pick command" >> hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -am "message to be changed"
[cherrypick_branch de40224] message to be changed
1 file changed, 2 insertions(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push origin cherrypick_branch
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 724 bytes | 724.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'cherrypick_branch' on GitHub by visiting:
remote:   https://github.com/Smit202/git_prac_repo/pull/new/cherrypick_branch
remote:
To https://github.com/Smit202/git_prac_repo.git
 * [new branch]      cherrypick_branch -> cherrypick_branch
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
```

cherrypick_bra... 3 branches 0 tags Go to file Add file <> Code

This branch is 2 commits ahead of master. Contribute

Smit202 message to be changed de40224 3 minutes ago 7 commits

cherry.txt	created cherry.txt	15 minutes ago
hello.txt	message to be changed	3 minutes ago
rebase.txt	added info about rebase.txt	1 hour ago

- Now change last commit message using git commit --amend command. We can see in log that commit message is changed.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
de40224 (HEAD -> cherrypick_branch, origin/cherrypick_branch) message to be changed
fe6093a created cherry.txt
d987e55 (origin/rebase_branch, origin/master, rebase_branch, master) inserted line in hello.txt
from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit --amend -m "updated message: inserted 2
lines in hello.txt"
[cherrypick_branch e9080a3] updated message: inserted 2 lines in hello.txt
Date: Wed Feb 22 17:02:46 2023 +0530
1 file changed, 2 insertions(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
e9080a3 (HEAD -> cherrypick_branch) updated message: inserted 2 lines in hello.txt
fe6093a created cherry.txt
d987e55 (origin/rebase_branch, origin/master, rebase_branch, master) inserted line in hello.txt
from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

cherrypick_bra... 3 branches 0 tags Go to file Add file <> Code

This branch is 3 commits ahead of master. Contribute

Smit202 updated cherry.txt 5d21e89 2 minutes ago 8 commits

cherry.txt	updated cherry.txt	2 minutes ago
hello.txt	updated message: inserted 2 lines in hello.txt	9 minutes ago
rebase.txt	added info about rebase.txt	1 hour ago

4. cherry pick


- Pick some commits from feature branch to master branch


1. Insert one line into hello.txt and commit and view logs.


```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "will cherry pick commit into master" >> hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -am "inserted 1 line in hello.txt"
[cherrypick_branch dada2e6] inserted 1 line in hello.txt
1 file changed, 1 insertion(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
dada2e6 (HEAD -> cherrypick_branch) inserted 1 line in hello.txt
5d21e89 (origin/cherrypick_branch) updated cherry.txt
e9080a3 updated message: inserted 2 lines in hello.txt
fe6093a created cherry.txt
d987e55 (origin/rebase_branch, origin/master, rebase_branch, master) inserted line in hello.txt
from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push -u -f origin cherrypick_branch
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 386 bytes | 386.00 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/Smit202/git_prac_repo.git
5d21e89..dada2e6 cherrypick_branch -> cherrypick_branch
Branch 'cherrypick_branch' set up to track remote branch 'cherrypick_branch' from 'origin'.
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```


2. Now we will cherry pick first and third commit into master. For that first checkout to master and then run cherry pick command with commit id as argument.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git checkout master
Switched to branch 'master'
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git cherry-pick e9080a3
[master 9d4f010] updated message: inserted 2 lines in hello.txt
Date: Wed Feb 22 17:02:46 2023 +0530
1 file changed, 2 insertions(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git cherry-pick dada2e6
[master c04a848] inserted 1 line in hello.txt
Date: Wed Feb 22 17:36:10 2023 +0530
1 file changed, 1 insertion(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
c04a848 (HEAD -> master) inserted 1 line in hello.txt
9d4f010 updated message: inserted 2 lines in hello.txt
d987e55 (origin/rebase_branch, origin/master, rebase_branch) inserted line in
hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```


 master


 3 branches

 0 tags


Go to file


Add file

 Code

 Smit202 inserted 1 line in hello.txt


c04a848 3 minutes ago

 7 commits

 hello.txt

inserted 1 line in hello.txt

3 minutes ago

 rebase.txt

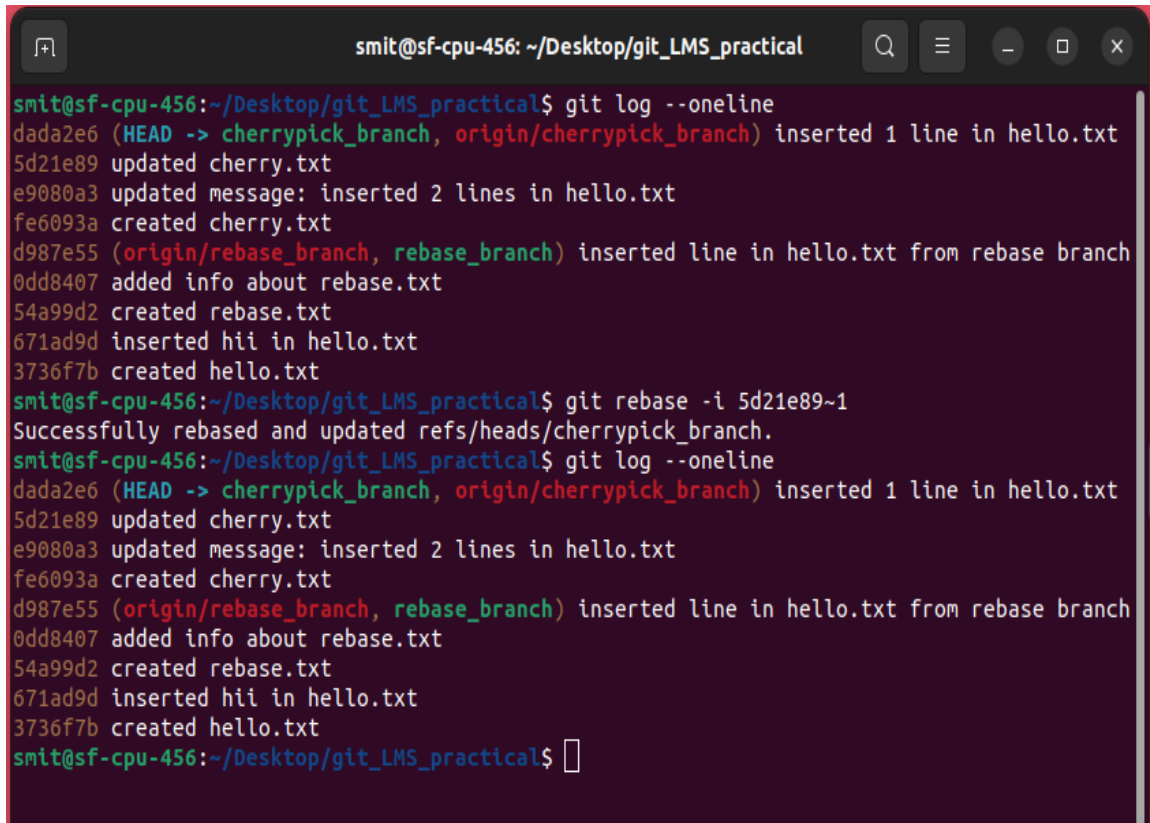
added info about rebase.txt

2 hours ago

5. Drop commit

- Remove some commit from feature branch.

1. To remove specific commit we need to use git interactive rebase as below:

A terminal window titled 'smit@sf-cpu-456: ~/Desktop/git_LMS_practical' showing the execution of git commands. The first command is 'git log --oneline', which displays a list of commits from newest to oldest. The second command is 'git rebase -i 5d21e89~1', which successfully rebases the 'cherrypick_branch' onto the commit before 5d21e89. The third command is another 'git log --oneline', which shows the same list of commits, but the commit 5d21e89 has been removed from the history.

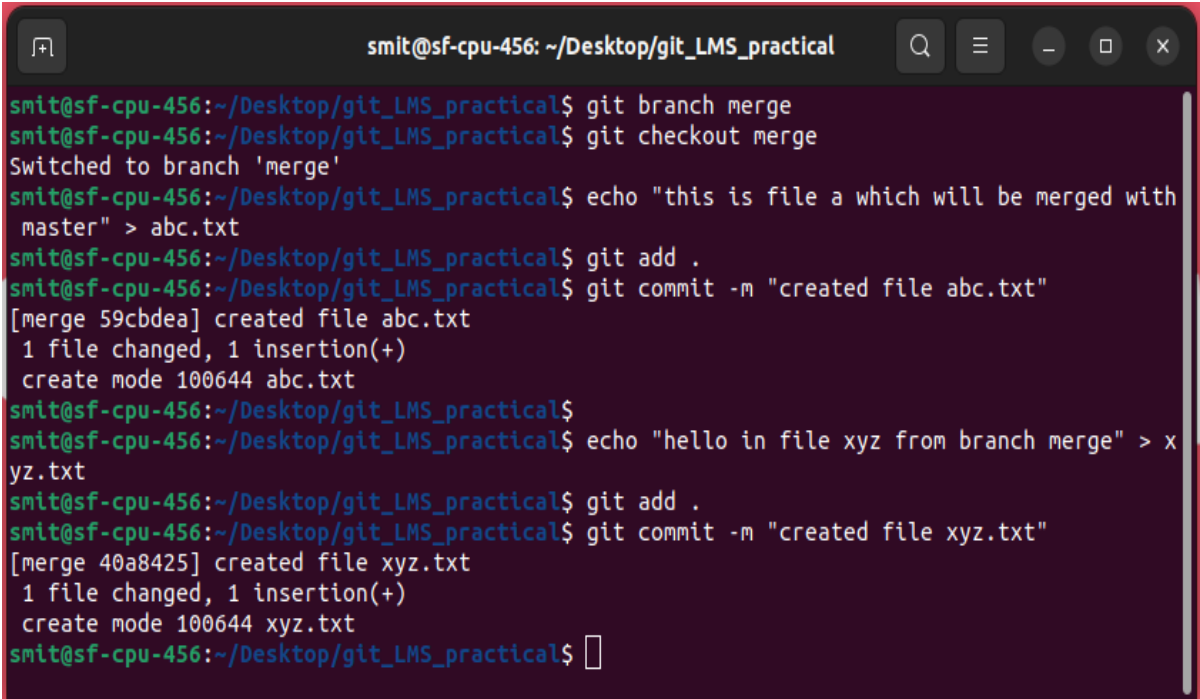
```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
dada2e6 (HEAD -> cherrypick_branch, origin/cherrypick_branch) inserted 1 line in hello.txt
5d21e89 updated cherry.txt
e9080a3 updated message: inserted 2 lines in hello.txt
fe6093a created cherry.txt
d987e55 (origin/rebase_branch, rebase_branch) inserted line in hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git rebase -i 5d21e89~1
Successfully rebased and updated refs/heads/cherrypick_branch.
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
dada2e6 (HEAD -> cherrypick_branch, origin/cherrypick_branch) inserted 1 line in hello.txt
5d21e89 updated cherry.txt
e9080a3 updated message: inserted 2 lines in hello.txt
fe6093a created cherry.txt
d987e55 (origin/rebase_branch, rebase_branch) inserted line in hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

2. When we run git rebase -i it will prompt us to interactive environment in code editor there type drop 5d21e89, save it and close. Now this commit is dropped.

1. Pull and merge difference

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

1. Create one branch named merge and add some files and do commit and pushes as below:

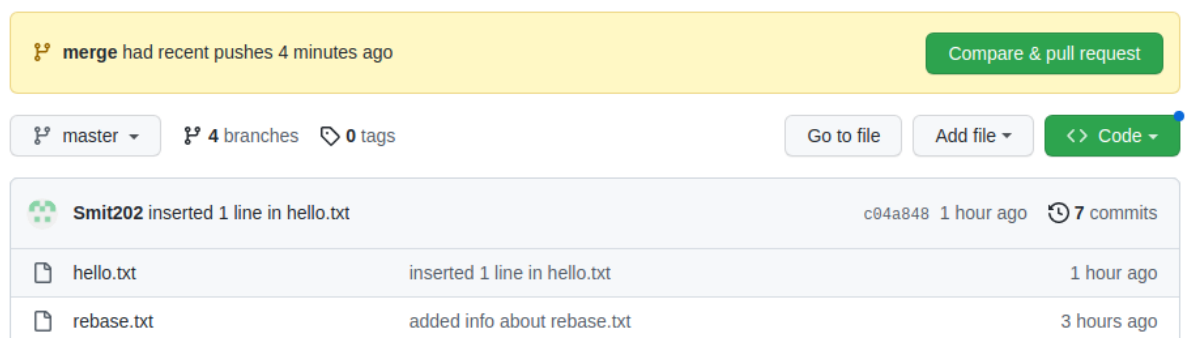


```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git branch merge
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git checkout merge
Switched to branch 'merge'
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "this is file a which will be merged with master" > abc.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git add .
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -m "created file abc.txt"
[merge 59cbdea] created file abc.txt
1 file changed, 1 insertion(+)
create mode 100644 abc.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "hello in file xyz from branch merge" > xyz.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git add .
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -m "created file xyz.txt"
[merge 40a8425] created file xyz.txt
1 file changed, 1 insertion(+)
create mode 100644 xyz.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

2. Now add some text in hello.txt and push this branch in remote repo.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ echo "this line is created in merge branch and it is merged" >> hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git commit -am "inserted 1 line in hello.txt"
[merge cf325f6] inserted 1 line in hello.txt
1 file changed, 1 insertion(+)
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push origin merge
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
Writing objects: 100% (9/9), 912 bytes | 912.00 KiB/s, done.
Total 9 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), completed with 1 local object.
remote:
remote: Create a pull request for 'merge' on GitHub by visiting:
remote:   https://github.com/Smit202/git_prac_repo/pull/new/merge
remote:
To https://github.com/Smit202/git_prac_repo.git
 * [new branch]      merge -> merge
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
cf325f6 (HEAD -> merge, origin/merge) inserted 1 line in hello.txt
40a8425 created file xyz.txt
59cbdea created file abc.txt
c04a848 (origin/master, master) inserted 1 line in hello.txt
9d4f010 updated message: inserted 2 lines in hello.txt
d987e55 (origin/rebase_branch, rebase_branch) inserted line in hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

3. After push we will see compare and pull request option at top in github repository. Click on that button, it will prompt to the new page. Type pull request message and click on create pull request as shown as below:



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).

base: master ← compare: merge ✓ **Able to merge.** These branches can be automatically merged.

Merge branch name merge with master

Write

Preview

H B I ≡ <> 🔗 ≡ ≡ ≡ @ 📎 ↶

Leave a comment

Attach files by dragging & dropping, selecting or pasting them. 📎

Create pull request ▼

Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

- After creating pull request we can view the changes and commits in this branch and can approve request by clicking on button merge pull request, but will do this locally by git commands.

Conversation 0

Commits 3

Checks 0

Files changed 3

Smit202 commented now

Owner 😊 ...

No description provided.

Smit202 added 3 commits 13 minutes ago

created file abc.txt 59cbdea

created file xyz.txt 40a8425

inserted 1 line in hello.txt cf325f6

Add more commits by pushing to the **merge** branch on **Smit202/git_prac_repo**.

Continuous integration has not been set up

[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

✓ This branch has no conflicts with the base branch

Merging can be performed automatically.


Merge pull request ▼


or view [command line instructions](#).


5. Now checkout to master branch and then run git merge merge. It will merge the merge branch into master. After the pushing changes we can see in github that branch is merged.

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git checkout master
Switched to branch 'master'
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git merge merge
Updating c04a848..cf325f6
Fast-forward
 abc.txt | 1 +
hello.txt | 1 +
 xyz.txt | 1 +
3 files changed, 3 insertions(+)
create mode 100644 abc.txt
create mode 100644 xyz.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Smit202/git_prac_repo.git
 c04a848..cf325f6 master -> master
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```

```
smit@sf-cpu-456: ~/Desktop/git_LMS_practical
smit@sf-cpu-456:~/Desktop/git_LMS_practical$ git log --oneline
cf325f6 (HEAD -> master, origin/merge, origin/master, merge) inserted 1 line in hello.txt
40a8425 created file xyz.txt
59cbdea created file abc.txt
c04a848 inserted 1 line in hello.txt
9d4f010 updated message: inserted 2 lines in hello.txt
d987e55 (origin/rebase_branch, rebase_branch) inserted line in hello.txt from rebase branch
0dd8407 added info about rebase.txt
54a99d2 created rebase.txt
671ad9d inserted hii in hello.txt
3736f7b created hello.txt
smit@sf-cpu-456:~/Desktop/git_LMS_practical$
```


 master ▾



 4 branches





 0 tags


Go to file

Add file ▾


 Code ▾


 **Smit202** inserted 1 line in hello.txt cf325f6 19 minutes ago  10 commits

 abc.txt	created file abc.txt	23 minutes ago
 hello.txt	inserted 1 line in hello.txt	19 minutes ago
 rebase.txt	added info about rebase.txt	3 hours ago
 xyz.txt	created file xyz.txt	22 minutes ago

 master ▾

git_prac_repo / **hello.txt**

 **Smit202** inserted 1 line in hello.txt

 1 contributor

7 lines (7 sloc) | 231 Bytes

```
1 hello, how are you?
2 hii
3 hello from rebase branch
4 hii from cherrypick branch
5 this is demo for changing commit message and cherry pick command
6 will cherry pick commit into master
7 this line is created in merge branch and it is merged
```

[Give feedback](#)

Link of github repo: https://github.com/Smit202/git_prac_repo