1) $ git init

$ git add pro.txt

$ git commit -m "file added"

2)

3) $ git branch staging

4)vim test1

Git add test1.txt

Git commit –m “file added”

5)$ git remote add origin https://github.com/ayush9810/test\_project.git

$ git push -u origin staging

6) $ cd ..

$ cd project2

7) $ git clone <https://github.com/ayush9810/test_project.git>

8) $ cd test\_project

$ git branch

\* staging

9) $ vim test1.txt

$ add test1.txt

$ git add test1.txt

10) $ git commit -m "created second commit"

[staging 9d032b7] created second commit

1 file changed, 1 insertion(+), 1 deletion(-)

$ git push origin staging

Username for 'https://github.com': ayush9810

Password for 'https://ayush9810@github.com':

Counting objects: 3, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 294 bytes | 0 bytes/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/ayush9810/test\_project.git

66e3400..9d032b7 staging -> staging

11)cd project1

12)git checkout staging

13)vim test1.txt

14)error happened because we didn’t fetch the changes made in project2

$ git pull origin staging

remote: Counting objects: 3, done.

remote: Compressing objects: 100% (2/2), done.

remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0

Unpacking objects: 100% (3/3), done.

From https://github.com/ayush9810/test\_project

\* branch staging -> FETCH\_HEAD

66e3400..9d032b7 staging -> origin/staging

Auto-merging test1.txt

CONFLICT (content): Merge conflict in test1.txt

Automatic merge failed; fix conflicts and then commit the result.

$ vim test1.txt

$ git add test1.txt

$ git commit -m "conflict resolved"

15) $ git checkout master

Switched to branch 'master'

16) $ git merge staging

17) $ git branch testing

$ git checkout testing

18) $ vim test1.txt

$ git add test1.txt

$ git commit -m "changed to A"

19) $ vim test1.txt

$ git add test1.txt

$ git commit -m "changed to B"

20) $ git push -u origin testing

$ git push -u origin testing

Username for 'https://github.com': ayush9810

Password for 'https://ayush9810@github.com':

Counting objects: 30, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (20/20), done.

Writing objects: 100% (30/30), 2.60 KiB | 0 bytes/s, done.

Total 30 (delta 0), reused 0 (delta 0)

To https://github.com/ayush9810/test\_project.git

\* [new branch] testing -> testing

Branch testing set up to track remote branch testing from origin.

21)

24) $ git push -u origin master

Username for 'https://github.com': ayush9810

Password for 'https://ayush9810@github.com':

Counting objects: 24, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (16/16), done.

Writing objects: 100% (24/24), 2.03 KiB | 0 bytes/s, done.

Total 24 (delta 0), reused 0 (delta 0)

To https://github.com/ayush9810/test\_project.git

\* [new branch] master -> master

Branch master set up to track remote branch master from origin.

25) $ git rebase master

$ vim test1.txt

$ git rebase --continue

Applying: changed to B

Applying: changed to C

Using index info to reconstruct a base tree...

M test1.txt

Falling back to patching base and 3-way merge...

Auto-merging test1.txt

CONFLICT (content): Merge conflict in test1.txt

Failed to merge in the changes.

Patch failed at 0003 changed to C

The copy of the patch that failed is found in:

C:/Users/hpnew/desktop/project1/.git/rebase-apply/patch

26) $ git rebase --continue

Applying: changed to H

$ git checkout master

Switched to branch 'master'

Your branch is up-to-date with 'origin/master'.

$ git merge testing

Updating 1fa4516..1cb8dbf

Fast-forward

test1.txt | 34 ++++++++++++++++++++++++++++++++++

1 file changed, 34 insertions(+)

27) $ git checkout testing

Branch testing set up to track remote branch testing from origin.

Switched to a new branch 'testing'

28)testing is a dummy branch and changes are made on it