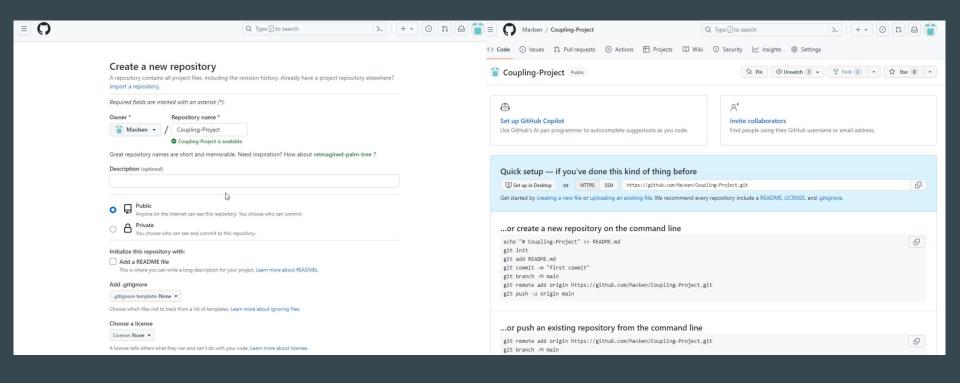
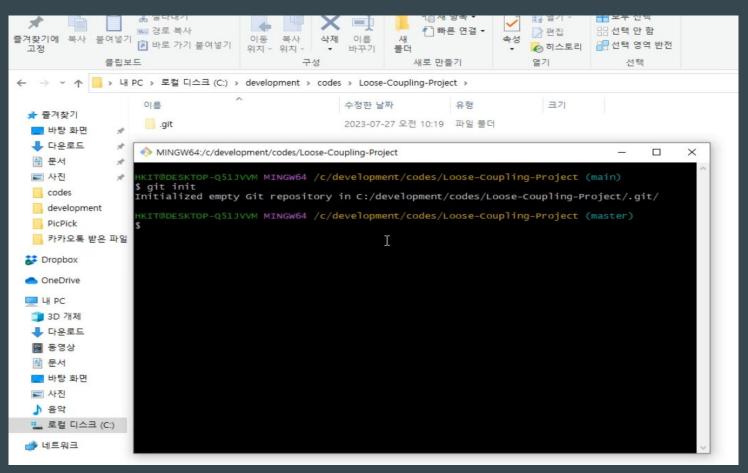
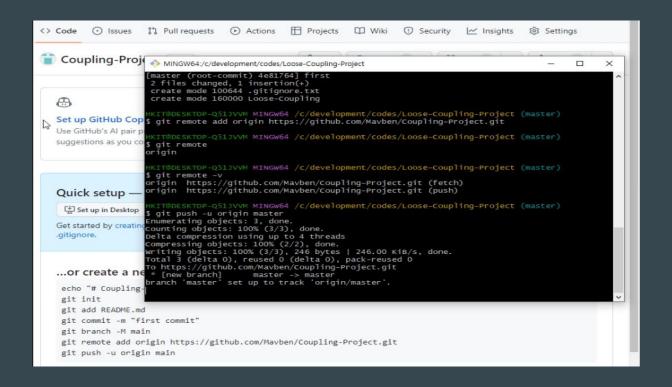
1. GitHub에 Coupling Project 리모트 Empty 레파지토리 생성



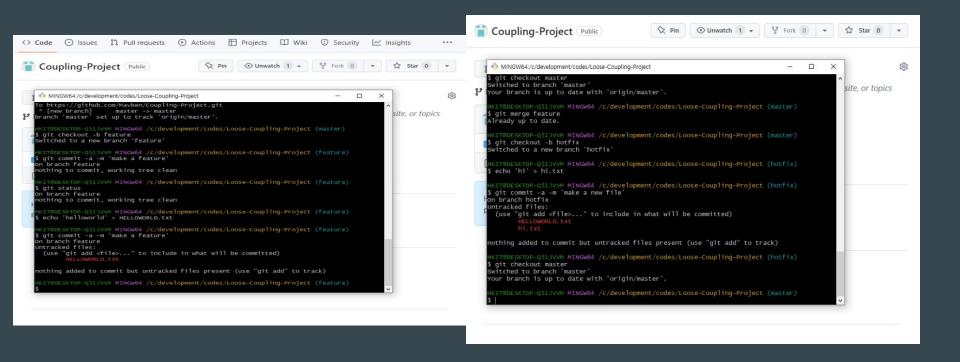
2. Loose Coupling Project에 Git 로컬 레파지토리 생성(.gitignore 적용)



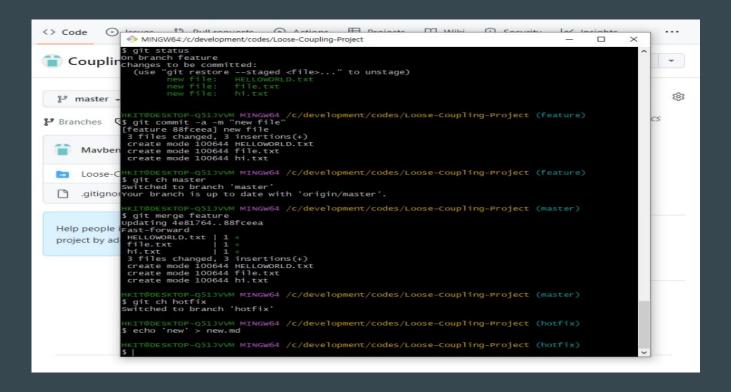
3. 리모트 레파지토리에 Push(source 파일만 push)



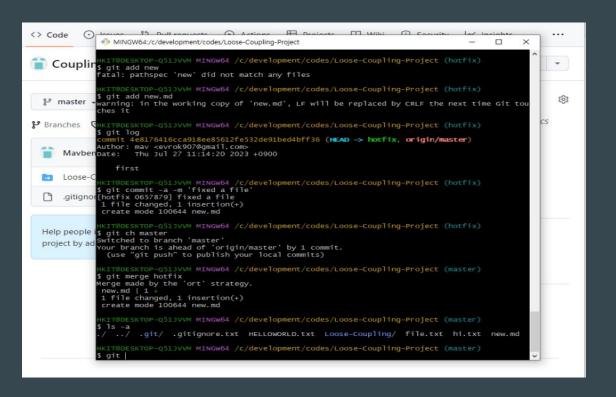
4. Loose Coupling Project에 토픽 브랜치 생성



5. fast-forward merge 수행



6. 3-way merge 수행



7.Conflict 발생 후, Merge

```
MINGW64:/c/development/codes/Loose-Coupling-Project
                                                                                            KIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project (hotfix)
  git merge master
  error: The following untracked working tree files would be overwritten by merge:
 Please move or remove them before you merge.
  Aborting
  Updating 0657879..edf9d64
   KIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project (hotfix)
  git add hi.txt
  warning: in the working copy of 'hi.txt', LF will be replaced by CRLF the next time Git tou
   KIT@DESKTOP-Q51JVVM MINGW64 /c/development/codes/Loose-Coupling-Project (hotfix)
  $ git merge master
 error: Your local changes to the following files would be overwritten by merge:
  Please commit your changes or stash them before you merge.
  Aborting
 Updating 0657879..edf9d64
   KIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project (hotfix)
  S git commit -m "hi commit"
  [hotfix 100495e] hi commit
  1 file changed, 3 insertions(+)
  create mode 100644 hi.txt
   KIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project (hotfix)
   git ch master
  Switched to branch 'master'
 Your branch is ahead of 'origin/master' by 1 commit.
   (use "git push" to publish your local commits)
   KIT@DESKTOP-Q51JVVM MINGW64 /c/development/codes/Loose-Coupling-Project (master)
  $ git merge hotfix
  Auto-meraina hi.txt
  CONFLICT (add/add): Merge conflict in hi.txt
Pf Automatic merge failed; fix conflicts and then commit the result.
```

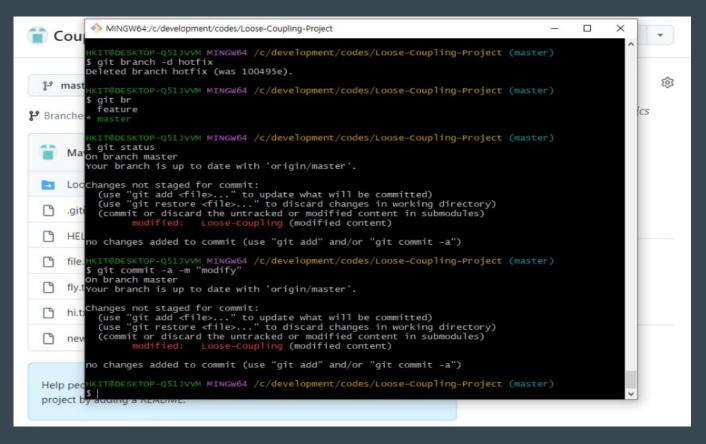
8. 리모트 레파지토리에서 로컬 레파지토리와 동일한 코드라인에서 다른 코드 적용(Conflict 발생) 후 Merge

```
HKIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project/Loose-Coupling (main)
$ git commit -am "2nd"
[main 289a04f] 2nd
1 file changed, 1 insertion(+), 1 deletion(-)
HKIT@DESKTOP-Q51JVVM MINGW64 /c/development/codes/Loose-Coupling-Project/Loose-Coupling (main)
$ git pull origin main
remote: Enumerating objects: 13, done.
remote: Counting objects: 100% (13/13), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 7 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (7/7), 869 bytes | 37.00 KiB/s, done.
From https://github.com/Mayben/Loose-Coupling
* branch
                     main
                               -> FETCH_HEAD
   a554c89..51a7eae main
                               -> origin/main
Auto-merging src/com/test/lc/file
CONFLICT (content): Merge conflict in src/com/test/lc/file
Automatic merge failed; fix conflicts and then commit the result.
HKIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project/Loose-Coupling (main|MERGIN
$ git status
On branch main
Your branch and 'origin/main' have diverged,
and have 1 and 1 different commits each, respectively.
 (use "git pull" to merge the remote branch into yours)
You have unmerged paths.
 (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)
Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified: src/com/test/lc/file
no changes added to commit (use "git add" and/or "git commit -a")
HKIT@DESKTOP-051JVVM MINGW64 /c/development/codes/Loose-Coupling-Project/Loose-Coupling (main|MERGIN
$ git commit -am "merge"
[main 54ddd02] merge
```

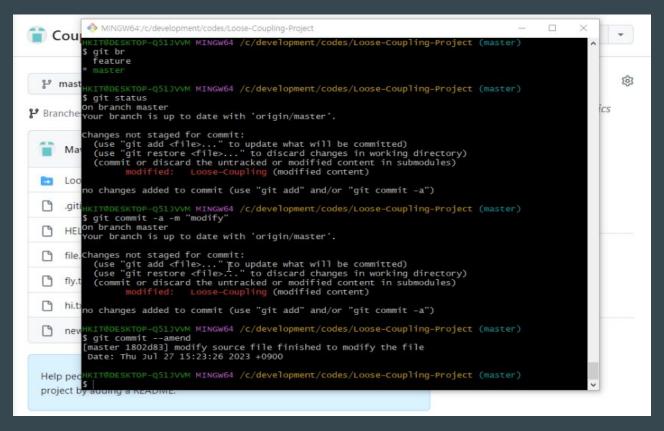
9. 리모트 레파지토리와 로컬 레파지토리에 생성된 토픽 브랜치 확인 후 토픽 브랜치 제거

```
MINGW64:/c/development/codes/Loose-Coupling-Project
From https://github.com/Mavben/Coupling-Project
 * branch
                                -> FETCH_HEAD
                     master
Already up to date.
 KKIT@DESKTOP-Q513VVM MINGW64 /c/development/codes/Loose-Coupling-Project (master)
$ git add MetadataCollector.java
fatal: pathspec 'MetadataCollector.java' did not match any files
 ikIT@DESKTOP-Q513VVM MINGW64 /c/development/codes/Loose-Coupling-Project (master)
$ git add .
 KIT@DESKTOP-Q513VVM MINGW64 /c/development/codes/Loose-Coupling-Project (master)
$ cd Coupling-Project
bash: cd: Coupling-Project: No such file or directory
 IKIT@DESKTOP-Q513VVM MINGW64 /c/development/codes/Loose-Coupling-Project (master)
 git push origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 4 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 644 bytes | 644.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Mavben/Coupling-Project.git
  edf9d64..150801a master -> master
 KIT@DESKTOP-Q513VVM MINGW64 /c/development/codes/Loose-Coupling-Project (master)
 git branch -d hotfix
Deleted branch hotfix (was 100495e).
```

10. 로컬 레파지토리에서 프로젝트 업데이트 후 commit



11. 10번 상황에서 commit 한 메시지 수정



12. 팀 프로젝트 수행(Collaborate 또는 fork)

