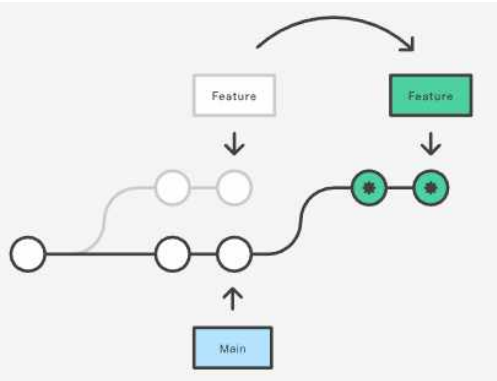


# 11주차 실습 시트

강 환수 교수

| 프로젝트                 | <b>rebase 병합 [교재 10장]</b><br>참조: Visual studio 사용자를 위한 git <a href="https://wikidocs.net/153871">https://wikidocs.net/153871</a>   |  |
|----------------------|--|--|
| 모듈1                  | <input type="checkbox"/> rebase 병합을 위한 준비와 소스 트리로 파일 확인<br>  |  |
| 모듈2                  | <input type="checkbox"/> 브랜치 devp/lst에서 rebase 실행<br>○ rebase 이후에는 반드시 main에서 다시 브랜치 devp/lst를 ff 병합해야 main도 가장 최근으로 이동  |  |
| 모듈3                  | <input type="checkbox"/> 브랜치 release로 이동 rebase 명령 시 충돌 발생과 취소   |  |
| 모듈4                  | <input type="checkbox"/> rebase 충돌 직접 해결 방법, add => rebase --continue<br>○ 브랜치 main으로 이동, 브랜치 release 병합 후 삭제  |  |
| 모듈5                  | <input type="checkbox"/> rebase 옵션 -i로 로그 메시지 수정   |  |
| 준비                   | <input type="checkbox"/> 다음 폴더를 생성 후 git/11w에서 git bash 실행 후 시작  |  |
| 모듈1<br>실습<br>(20min) | <input type="checkbox"/> 브랜치 main에서 커밋 1개<br><pre>PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w \$ git init base Initialized empty Git repository in C:/OSS/git/11w/base/.git/  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w \$ cd base  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ code main.py  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ python main.py [(1, 1), (1, 2), (1, 3), (1, 4), (2, 2), (2, 3), (2, 4), (3, 3), (3, 4), (4, 4)]  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git add main.py  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git commit -m'A' [main (root-commit) af2443d] A 1 file changed, 2 insertions(+) create mode 100644 main.py</pre> | <pre>a = [(x, y) for x in range(1, 5) for y in range(x, 5)] print(a)</pre> |

| □ 브랜치 main에서 브랜치 devp/lst 생성 후 커밋 2개   |   |
|--|---|
| <pre> PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git checkout -b devp/lst Switched to a new branch 'devp/lst'  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ code main.py  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ python main.py [(1, 1), (1, 2), (1, 3), (1, 4), (2, 2), (2, 3), (2, 4), (3, 3), (3, 4), (4, 4)] mthmtcs  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ git commit -am'dA' [devp/lst f882969] dA 1 file changed, 6 insertions(+), 1 deletion(-)  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ # 파일 수정  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ python main.py [(1, 1), (1, 2), (1, 3), (1, 4), (2, 2), (2, 3), (2, 4), (3, 3), (3, 4), (4, 4)] mthmtcs [(1, 1), (1, 2), (1, 3), (2, 1), (2, 2), (2, 3), (3, 1), (3, 2), (3, 3)]  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ git commit -am'dB' [devp/lst c3b4a78] dB 1 file changed, 4 insertions(+), 1 deletion(-)  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ git lgg1 --all * c3b4a78 (HEAD -&gt; devp/lst) dB * f882969 dA * af2443d (main) A </pre> | <pre> a = [(x, y) for x in range(1, 5) for y in range(x, 5)] print(a)  v = ['a', 'e', 'i', 'o', 'u'] w = 'mathematics' wv = ''.join([c for c in w if c not in v]) print(wv)  c = [(x, y) for x in range(1, 4) for y in range(1, 4)] print(c) </pre> |
| □ 브랜치 main으로 돌아와 커밋 2개 추가  |   |
| <pre> PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst) \$ git switch main Switched to branch 'main'  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ touch a b  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git add .  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git commit -m'B' [main 8e1e813] B 2 files changed, 0 insertions(+), 0 deletions(-) create mode 100644 a </pre>  |   |

create mode 100644 b

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ echo hello >> a

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git commit -am'C'

[main e599646] C

1 file changed, 1 insertion(+)

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git lggl --all

\* e599646 (HEAD -> main) C

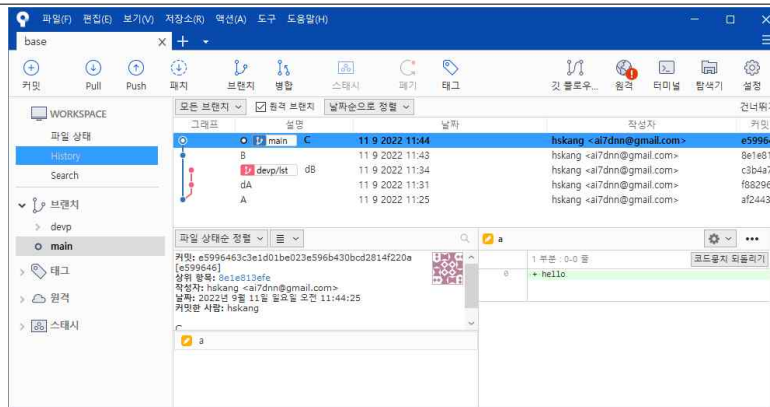
\* 8e1e813 B

| \* c3b4a78 (devp/1st) dB

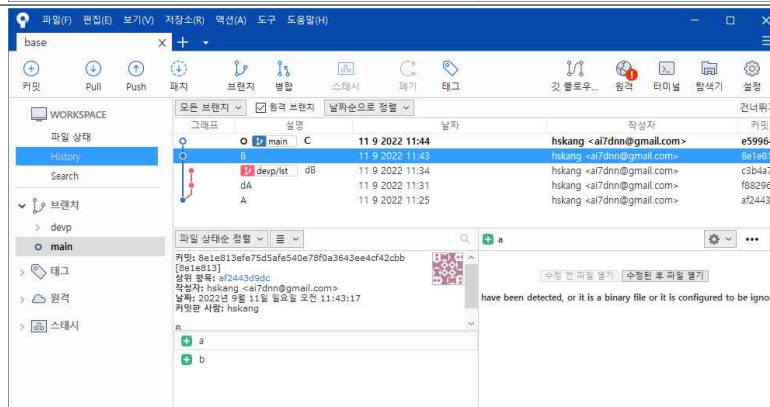
| \* f882969 dA

|/

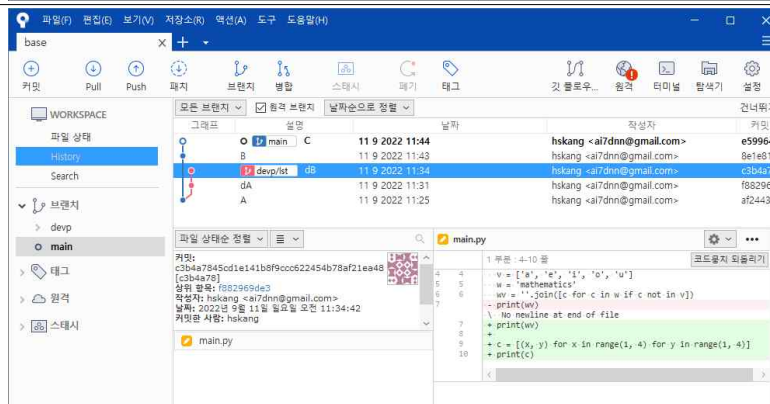
\* af2443d A



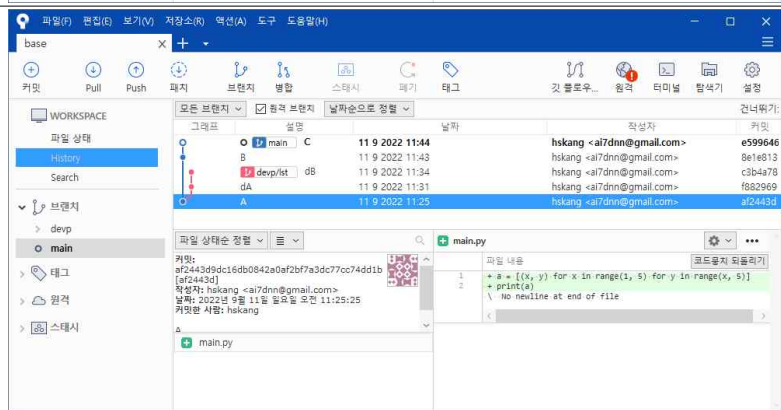
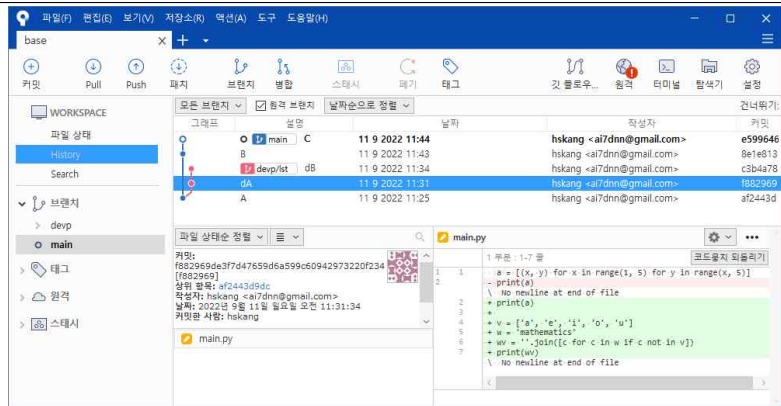
마지막에 커밋된 것은 a만 수정



이전 커밋에는 파일 a b 추가



커밋에서 main.py의 수정 내용 확인 가능



## □ 브랜치 devp/1st에서 rebase 실행

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git switch devp/1st

Switched to branch 'devp/1st'

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/1st)

\$ git log --all

```
* e599646 (main) C
* 8e1e813 B
| * c3b4a78 (HEAD -> devp/1st) dB
| * f882969 dA
|/
* af2443d A
```

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/1st)

\$ git rebase main

Successfully rebased and updated refs/heads/devp/1st.

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/1st)

\$ git log --all

```
* d504d54 (HEAD -> devp/1st) dB
* 328df87 dA
* e599646 (main) C
* 8e1e813 B
* af2443d A
```

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/1st)

\$ git log -3

commit d504d544dcfd6689cdf0ecfe044c2bf394435f35 (HEAD -> devp/1st)

Author: hskang <ai7dnn@gmail.com>

Date: Sun Sep 11 11:34:42 2022 +0900

현재 브랜치가 해당  
브랜치에서 분기하도록  
재배치하는 명령  
\$ git rebase [브랜치명]

결과는 main의 head 뒤로  
브랜치 devp/1st가 일렬로  
붙음

최근 로그 3개만 보기  
\$ git log -3

모듈2  
실습  
(20min)

dB

commit 328df87cf47e792fe6fc6b3d3e4ab5311d53fe32

Author: hskang <ai7dnn@gmail.com>

Date: Sun Sep 11 11:31:34 2022 +0900

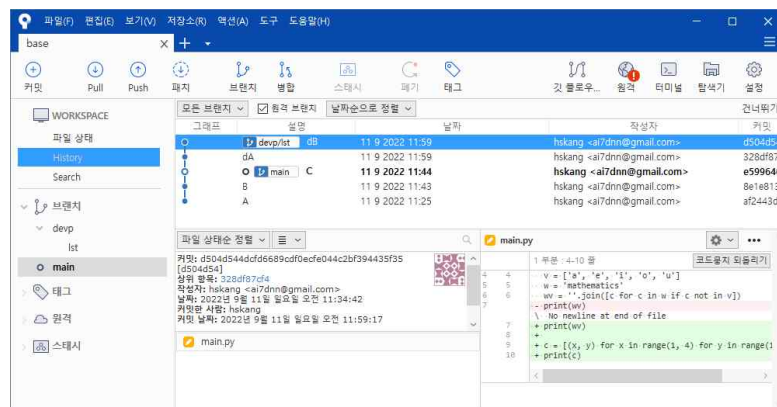
dA

commit e5996463c3e1d01be023e596b430bcd2814f220a (main)

Author: hskang <ai7dnn@gmail.com>

Date: Sun Sep 11 11:44:25 2022 +0900

C



❑ rebase 이후에는 꼭 main에서 다시 브랜치 devp/lst를 ff 병합

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (devp/lst)

\$ git switch main

Already on 'main'

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git merge devp/lst

Updating e599646..d504d54

Fast-forward

main.py | 10 ++++++++--

1 file changed, 9 insertions(+), 1 deletion(-)

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git log --all

\* d504d54 (HEAD -> main, devp/lst) dB

\* 328df87 dA

\* e599646 C

\* 8e1e813 B

\* af2443d A

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git branch -d devp/lst

Deleted branch devp/lst (was d504d54).

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)

\$ git log --all

\* d504d54 (HEAD -> main) dB

\* 328df87 dA

\* e599646 C

\* 8e1e813 B

\* af2443d A

모듈3  
실습  
(20min)

☐ rebase에서 충돌 발생 준비

○ 브랜치 release에서 main.py 한 줄 추가 커밋

```
PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)
$ git checkout -b release
Switched to a new branch 'release'

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ echo 'print("list")' >> main.py

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ python main.py
[(1, 1), (1, 2), (1, 3), (1, 4), (2, 2), (2, 3), (2, 4), (3, 3), (3, 4), (4, 4)]
mthmtcs
[(1, 1), (1, 2), (1, 3), (2, 1), (2, 2), (2, 3), (3, 1), (3, 2), (3, 3)]
list

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ git logl -all
error: switch `l' expects a numerical value

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ git logl --all
* d504d54 (HEAD -> release, main) dB
* 328df87 dA
* e599646 C
* 8e1e813 B
* af2443d A

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ git commit -am 'rA'
[release 0ada363] rA
1 file changed, 1 insertion(+)

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ git logl --all
* 0ada363 (HEAD -> release) rA
* d504d54 (main) dB
* 328df87 dA
* e599646 C
* 8e1e813 B
* af2443d A
```

☐ 브랜치 main으로 돌아와 다시 한 줄 추가 커밋

```
PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)
$ git switch main
Switched to branch 'main'

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main)
$ cat main.py
a = [(x, y) for x in range(1, 5) for y in range(x, 5)]
print(a)

v = ['a', 'e', 'i', 'o', 'u']
w = 'mathematics'
wv = ".join([c for c in w if c not in v])
```

|  |  |  |
|--|--|--|
|  | <pre> print(wv)  c = [(x, y) for x in range(1, 4) for y in range(1, 4)] print(c)  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ echo 'print("comprehension")' &gt;&gt; main.py  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ python main.py [(1, 1), (1, 2), (1, 3), (1, 4), (2, 2), (2, 3), (2, 4), (3, 3), (3, 4), (4, 4)] mthmtcs [(1, 1), (1, 2), (1, 3), (2, 1), (2, 2), (2, 3), (3, 1), (3, 2), (3, 3)] comprehension  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git commit -am 'D' [main f790576] D 1 file changed, 1 insertion(+)  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git log --all * f790576 (HEAD -&gt; main) D   * 0ada363 (release) rA  / * d504d54 dB * 328df87 dA * e599646 C * 8e1e813 B * af2443d A </pre>   |  |
|  | <div data-bbox="304 1205 1046 1234" data-label="Section-Header"> <p><input type="checkbox"/> 브랜치 release로 이동 rebase 명령 시 충돌 발생과 취소</p> </div> <pre> PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git checkout - Switched to branch 'release'  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release) \$ git rebase main Auto-merging main.py CONFLICT (content): Merge conflict in main.py error: could not apply 0ada363... rA hint: Resolve all conflicts manually, mark them as resolved with hint: "git add/rm &lt;conflicted_files&gt;", then run "git rebase --continue". hint: You can instead skip this commit: run "git rebase --skip". hint: To abort and get back to the state before "git rebase", run "git rebase --abort". Could not apply 0ada363... rA  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release REBASE 1/1) \$ git log --all * f790576 (HEAD, main) D   * 0ada363 (release) rA  / * d504d54 dB * 328df87 dA * e599646 C </pre> |  |

|                    |  |  |
|--------------------|--|--|
| 모듈4<br>실습<br>(20분) | <pre>* 8e1e813 B * af2443d A</pre>   |  |
|                    | <pre>PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release REBASE 1/1) \$ git rebase --abort  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release) \$ git log --all * f790576 (main) D   * 0ada363 (HEAD -&gt; release) rA  / * d504d54 dB * 328df87 dA * e599646 C * 8e1e813 B * af2443d A</pre>  | 다시 병합 취소   |
|                    | <input type="checkbox"/> 4가지의 충돌 해결 방법 <ul style="list-style-type: none"> <li>○ 직접 파일 수정 후 계속 rebase</li> <li>○ 직접 파일을 삭제하고 계속 rebase</li> <li>○ 뛰어 넘기</li> <li>○ 최소 하고 rebase 바로 전으로 이동</li> </ul>  |  |
|                    | <pre>hint: Resolve all conflicts manually, mark them as resolved with hint: "git add/rm &lt;conflicted_files&gt;", then run "git rebase --continue". hint: You can instead skip this commit: run "git rebase --skip". hint: To abort and get back to the state before "git rebase", run "git rebase --abort".</pre>  |  |
| 모듈4<br>실습<br>(20분) | <input type="checkbox"/> rebase 충돌 직접 해결 방법  |  |
|                    | <pre>PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release) \$ git rebase main Auto-merging main.py CONFLICT (content): Merge conflict in main.py error: could not apply 0ada363... rA hint: Resolve all conflicts manually, mark them as resolved with hint: "git add/rm &lt;conflicted_files&gt;", then run "git rebase --continue". hint: You can instead skip this commit: run "git rebase --skip". hint: To abort and get back to the state before "git rebase", run "git rebase --abort". Could not apply 0ada363... rA  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release REBASE 1/1) \$ code main.py</pre> | <p>충돌이 발생한 이후는<br/>브랜치명이 바뀜<br/>(release REBASE 1/1)</p> <p>해결 순서</p> <ol style="list-style-type: none"> <li>① 파일 직접 수정</li> <li>② add</li> <li>③ rebase --continue</li> </ol> |



```

main.py ! X
C: > OSS > git > 11w > base > main.py
1 a = [(x, y) for x in range(1, 5) for y in range(x, 5)]
2 print(a)
3
4 v = ['a', 'e', 'i', 'o', 'u']
5 w = 'mathematics'
6 wv = ''.join([c for c in w if c not in v])
7 print(wv)
8
9 c = [(x, y) for x in range(1, 4) for y in range(1, 4)]
10 print(c)
11 Accept Current Change | Accept Incoming Change | Accept Both Changes | Compare Changes
12 <<<<<< HEAD (Current Change)
13 print("comprehension")
14 =====
15 print("list")
16 >>>>>> 0ada363 (rA) (Incoming Change)

```

```

main.py ! X
C: > OSS > git > 11w > base > main.py
1 a = [(x, y) for x in range(1, 5) for y in range(x, 5)]
2 print(a)
3
4 v = ['a', 'e', 'i', 'o', 'u']
5 w = 'mathematics'
6 wv = ''.join([c for c in w if c not in v])
7 print(wv)
8
9 c = [(x, y) for x in range(1, 4) for y in range(1, 4)]
10 print(c)
11
12 print("list comprehension")
13

```

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base  
(release|REBASE 1/1)  
\$ git add .

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base  
(release|REBASE 1/1)  
\$ git rebase --continue  
hint: Waiting for your editor to close the file...

메시지 수정 후 저장(ctrl + s) 후, 파일 닫기(ctrl + F4)

```

main.py M COMMIT_EDITMSG
C: > OSS > git > 11w > base > .git > COMMIT_EDITMSG
1 resolve conflict in main.py
2
3 # Please enter the commit message for your changes. Lines starting
4 # with '#' will be ignored, and an empty message aborts the commit.
5 #
6 # interactive rebase in progress; onto f790576
7 # Last command done (1 command done):
8 #   pick 0ada363 rA
9 # No commands remaining.
10 # You are currently rebasing branch 'release' on 'f790576'.
11 #
12 # Changes to be committed:
13 #   modified:   main.py
14 #
15

```

다음과 같이 성공적으로 재배포됨

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base  
(release|REBASE 1/1)

|                                      |   |   |
|--------------------------------------|---|---|
|                                      | <pre>\$ git rebase --continue hint: Waiting for your editor to close the file... [detached HEAD fa18248] resolve conflict in main.py 1 file changed, 2 insertions(+), 1 deletion(-) Successfully rebased and updated refs/heads/release.</pre>  |   |
| ○ 브랜치 main으로 이동, 브랜치 release 병합 후 삭제 |   |   |
|                                      | <pre>PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release)  \$ git log --all * fa18248 (HEAD -&gt; release) resolve conflict in main.py * f790576 (main) D * d504d54 dB * 328df87 dA * e599646 C * 8e1e813 B * af2443d A  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (release) \$ git checkout - Switched to branch 'main'  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ cat main.py a = [(x, y) for x in range(1, 5) for y in range(x, 5)] print(a)  v = ['a', 'e', 'i', 'o', 'u'] w = 'mathematics' wv = ''.join([c for c in w if c not in v]) print(wv)  c = [(x, y) for x in range(1, 4) for y in range(1, 4)] print(c) print("comprehension")  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git merge release Updating f790576..fa18248 Fast-forward main.py   3 ++- 1 file changed, 2 insertions(+), 1 deletion(-)  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ cat main.py a = [(x, y) for x in range(1, 5) for y in range(x, 5)] print(a)  v = ['a', 'e', 'i', 'o', 'u'] w = 'mathematics' wv = ''.join([c for c in w if c not in v]) print(wv)  c = [(x, y) for x in range(1, 4) for y in range(1, 4)] print(c)  print("list comprehension")</pre> | <p>rebase 성공 후에는 반드시<br/>다음 수행</p> <ol style="list-style-type: none"> <li>① main으로 이동</li> <li>② 브랜치 release ff 병합</li> <li>③ 브랜치 release 삭제</li> </ol> |

|                                 |   |   |
|---------------------------------|---|---|
|                                 | <pre> PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git log --all * fa18248 (HEAD -&gt; main, release) resolve conflict in main.py * f790576 D * d504d54 dB * 328df87 dA * e599646 C * 8e1e813 B * af2443d A  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git branch -d release Deleted branch release (was fa18248).  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git log --all * fa18248 (HEAD -&gt; main) resolve conflict in main.py * f790576 D * d504d54 dB * 328df87 dA * e599646 C * 8e1e813 B * af2443d A </pre>  |   |
| <div>모듈5<br/>실습<br/>(20분)</div> | <pre> PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git rebase -i head~4 Successfully rebased and updated refs/heads/main.  다음 ctrl + F4로 종료하면 위 결과 나옴 </pre>  <pre> PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git log --all * fa18248 (HEAD -&gt; main) resolve conflict in main.py * f790576 D * d504d54 dB * 328df87 dA * e599646 C * 8e1e813 B * af2443d A  PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/base (main) \$ git rebase -i head~4 [detached HEAD f113a7e] D Date: Sun Sep 11 12:18:22 2022 +0900 1 file changed, 2 insertions(+) Successfully rebased and updated refs/heads/main.  다음이 표시  위를 명령어만 3개줄을 pick에서 r(eword)로 수정 후, 저장, 닫기 </pre> | <pre> \$ git rebase -i head~4  head~3부터 수정 가능  * fa18248 (HEAD -&gt; main) resolve conflict in main.py * f790576 D * d504d54 dB * 328df87 dA </pre> |

```
C: > OSS > git > 11w > rebs > .git > rebase-merge > ≡ git-rebase-todo
```

```
1 pick 3909445 dA
2 pick b90a230 dB
3 pick 3f7e761 D
4 pick 579e3f2 resolve conflict in main.py
5
1 r a2f20b7 dA
2 r 626c674 dB
3 r dc23ff5 D
4 pick d9a8470 resolve conflict in main.py
```

계속되는 파일에서 각각 다음을 수정 후 저장 후 닫기

dA => D

dB => E

D => F

다음과 같이 성공

```
PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/rebs (main)
```

```
$ git rebase -i head~4
```

```
[detached HEAD 8023c96] D
```

```
Date: Sat Oct 29 12:53:37 2022 +0900
```

```
1 file changed, 5 insertions(+)
```

```
[detached HEAD 8feae8b] E
```

```
Date: Sat Oct 29 12:54:05 2022 +0900
```

```
1 file changed, 3 insertions(+)
```

```
[detached HEAD 6755350] F
```

```
Date: Sat Oct 29 13:05:08 2022 +0900
```

```
1 file changed, 1 insertion(+)
```

```
Successfully rebased and updated refs/heads/main.
```

로그 메시지가 바뀐 것을 확인

```
PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/rebs (main)
```

```
$ git lggl
```

```
* 67d2671 (HEAD -> main) resolve conflict in main.py
```

```
* 6755350 F
```

```
* 8feae8b E
```

```
* 8023c96 D
```

```
* e599646 C
```

```
* 8e1e813 B
```

```
* af2443d A
```

# 이제 로그 수를 줄여보도록 하자 3개의 각각 D, E, F => 하나인 'D E F'

```
PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/rebs (main)
```

```
$ git rebase -i head~4
```

...

```
1 pick 8023c96 D
2 pick 8feae8b E
3 pick 6755350 F
4 pick 67d2671 resolve conflict in main.py
```

다음이 표시되면

다음으로 수정 후 저장 후 닫기

여기서 s(quash)란 앞에 있는 전 로그에 현재 로그를 포함시켜 삭제한다는 의미

```
1 pick 8023c96 D
2 squash 8feae8b E
3 squash| 6755350 F
4 pick 67d2671 resolve conflict in main.py
```

다음에서 다시 편집

```
1 # This is a combination of 3 commits.
2 # This is the 1st commit message:
3
4 D|
5
6 # This is the commit message #2:
7
8 E
9
10 # This is the commit message #3:
11
12 F
13
```

위를 다음으로 편집 후 저장, 닫기

```
1 # This is a combination of 3 commits.
2 # This is the 1st commit message:
3
4 D E F
5
```

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/rebs (main)

\$ git rebase -i head~4

[detached HEAD a3ebcc9] D E F

Date: Sat Oct 29 12:53:37 2022 +0900

1 file changed, 9 insertions(+)

Successfully rebased and updated refs/heads/main.

PC@DESKTOP-482NOAB MINGW64 /c/OSS/git/11w/rebs (main)

\$ git lggl

\* 7f6d1b0 (HEAD -> main) resolve conflict in main.py

\* a3ebcc9 D E F

\* b58bb54 C

\* 531f8fa B

\* 2773920 A