

# Git Interactive Rebasing

- In this section, we will take a look at git interactive-rebasing.
- When all commits are looking same and should be added into the single commit.
- We can change the history of the git branch within the interactive rebase. To access this we use `-i` flag with `git rebase` command.
- We have to specify which commits we want to update.
- Suppose we wants to modify first four commits. We are telling to git to rebase last 4 commits.

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




```
bash

$ git rebase -i HEAD~4
pick fb9f191 Added second story
pick aaba5e7 Changes to second story
pick 8ad5d7b Oops more changes to second story
pick 6a6f68b More changes to second story

# Rebase dc9ad3c..6a6f68b onto 6a6f68b (4 commands)
#
# Commands:
# p, pick <commit> = use commit
# r, reword <commit> = use commit, but edit the commit message
# e, edit <commit> = use commit, but stop for amending
# s, squash <commit> = use commit, but meld into previous commit
# f, fixup <commit> = like "squash", but discard this commit's log message
# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
```

- It will open the file into the editor, we need to change "pick" to "squash" command. After changing the commands save the file and exit.



```
bash

$ git rebase -i HEAD~4
squash fb9f191 Added second story
squash aaba5e7 Changes to second story
squash 8ad5d7b Oops more changes to second story
squash 6a6f68b More changes to second story

# Rebase dc9ad3c..6a6f68b onto 6a6f68b (4 commands)
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# x, exec <command> = run command (the rest of the line) using shell
# b, break = stop here (continue rebase later with 'git rebase --continue')
```

- After this, it will combined the commits. There are so many other options when you are interactively rebasing. It's very powerful tool to changes to your branch and commits.