

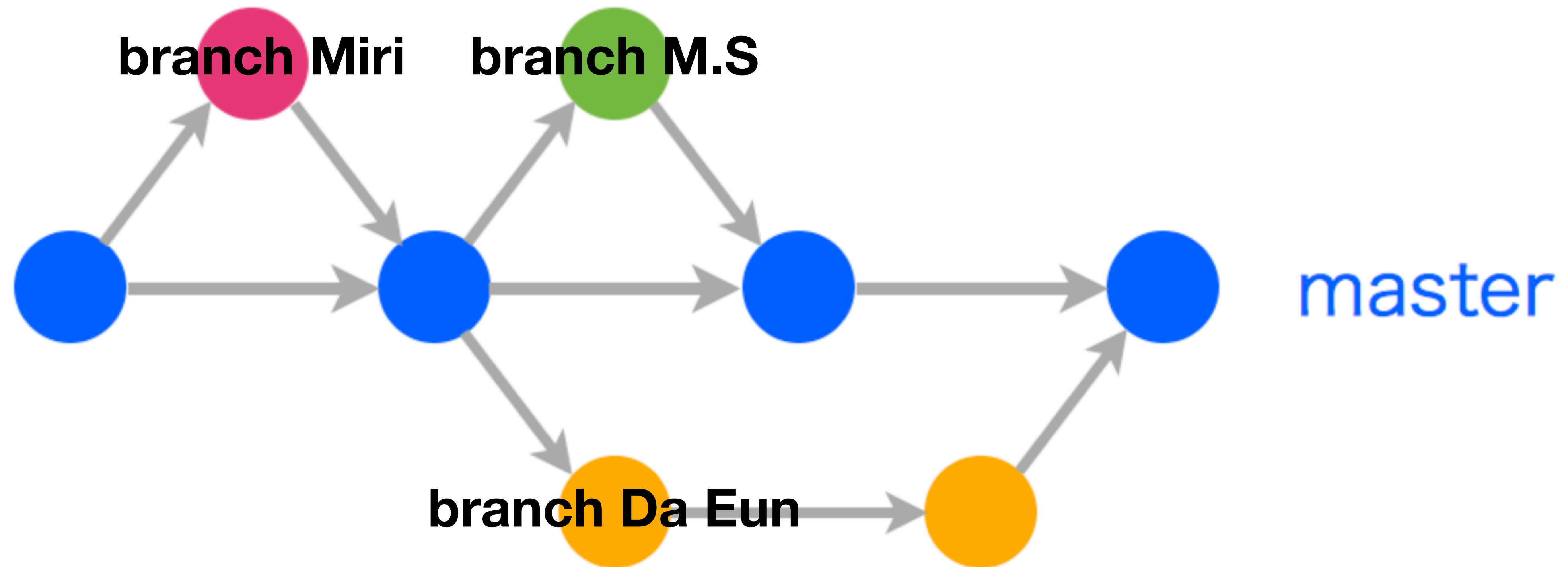


About Github-Flow

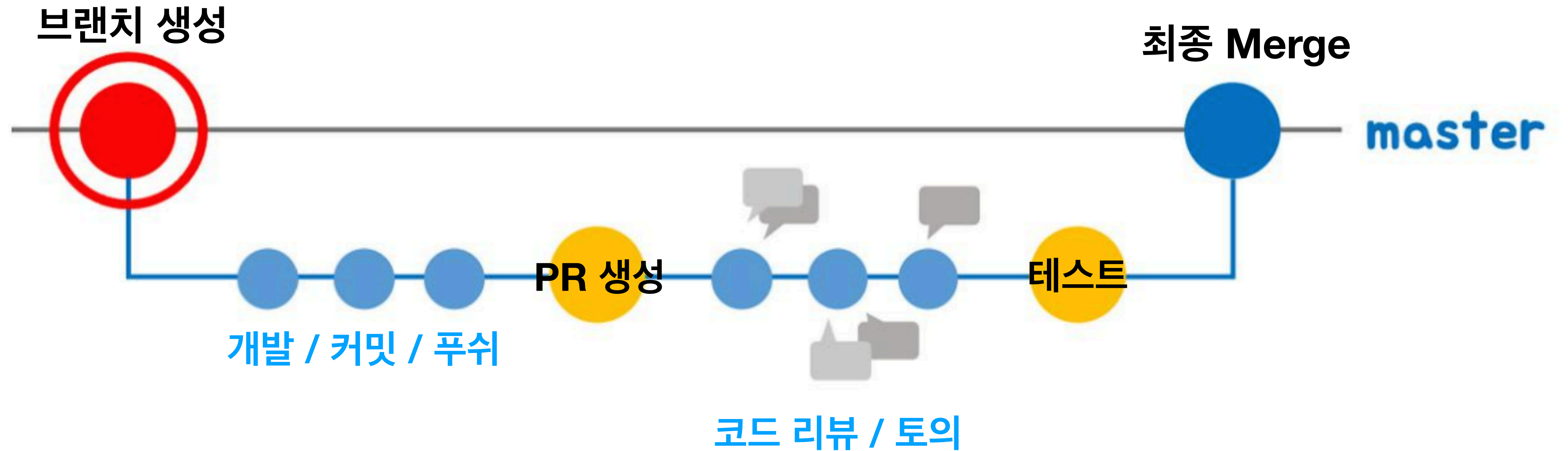
깃허브 플로우에 대하여.

엘레디꿀레디 | 17팀 - 김미리

GitHub Flow 한 장 요약



GitHub Flow 한 장 요약



특징

직관적이고 가볍다 !

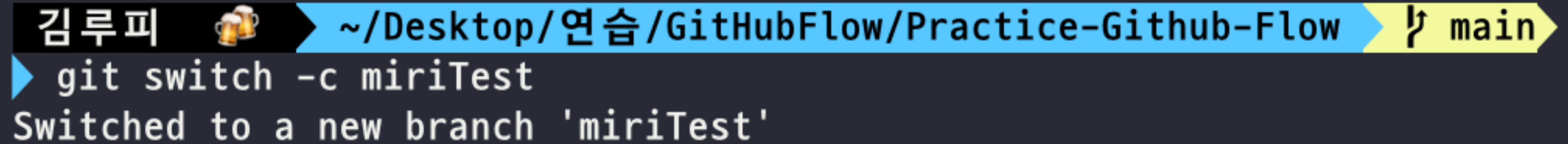
- Git-Flow도 좋지만 Github에 적용하기에 너무 복잡하다는 판단에 따라 만들어짐.
- Git-Flow에 비해 흐름이 단순해지면서 규칙도 단순해짐.
- Pull Request와 코드리뷰 기능을 적극적으로 사용할 수 있음.
- release branch(배포시 사용하는 테스트용 브랜치)가 명확히 구분되지 않은 시스템에서 유용.

규칙

- 브랜치는 항상 master 브랜치에서 만듦.
- 규칙을 지켜야하는 브랜치는 오로지 master 브랜치 뿐.
- 이름 잘 짓기 - 어떤 기능을 추가하는지, 어떤 버그를 해결한건지 알아야하기 때문.
- 언제든지 PR 날리기 - merge뿐만 아니라 도움이나 피드백이 필요할때도 사용.
- PR로 리뷰한 후에만 merge한다.
- master에 merge하면 바로 deploy(배포)한다.
- master 브랜치에서 merge하면 이미 배포했거나, 곧 배포된다는 의미.
- master 브랜치는 안정적인 버전을 의미하므로 merge하기 전 충분한 테스트를 거쳐야함.

사용예시

1. 브랜치 생성

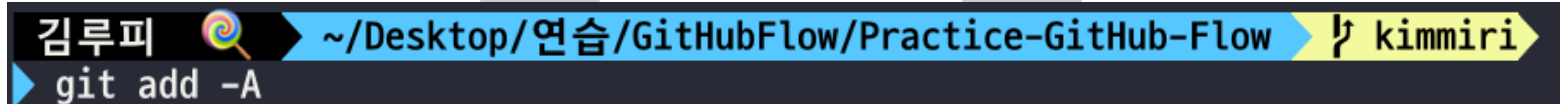
A terminal window with a dark background. The top bar shows the user '김루피' with a beer emoji, the current directory '~/Desktop/연습/GitHubFlow/Practice-Github-Flow', and the current branch 'main'. The command 'git switch -c miriTest' is entered, and the output is 'Switched to a new branch 'miriTest''.

```
김루피 🍺 ~/Desktop/연습/GitHubFlow/Practice-Github-Flow ↗ main  
▶ git switch -c miriTest  
Switched to a new branch 'miriTest'
```

git switch -c [branch name] -> 브랜치 생성 및 이동

사용예시

2. add



A terminal window screenshot with a dark background. The top bar shows the user '김루피' with a lollipop icon, the current directory '~/Desktop/연습/GitHubFlow/Practice-GitHub-Flow' in blue, and the branch 'kimmiri' in yellow. The command 'git add -A' is entered in the terminal.

```
김루피 ~/Desktop/연습/GitHubFlow/Practice-GitHub-Flow kimmiri  
git add -A
```

git add -A (?)

사용예시

3. commit

```
김루피 ~/Desktop/연습/GitHubFlow/Practice-GitHub-Flow kimmiri +
git commit -m "add hello world"
[kimmiri 9b59cc2] add hello world
2 files changed, 6 insertions(+)
create mode 100644 index.md
create mode 100644 test.md
```

`git commit -m "메시지 내용(최대한 디테일하게)"`

사용예시

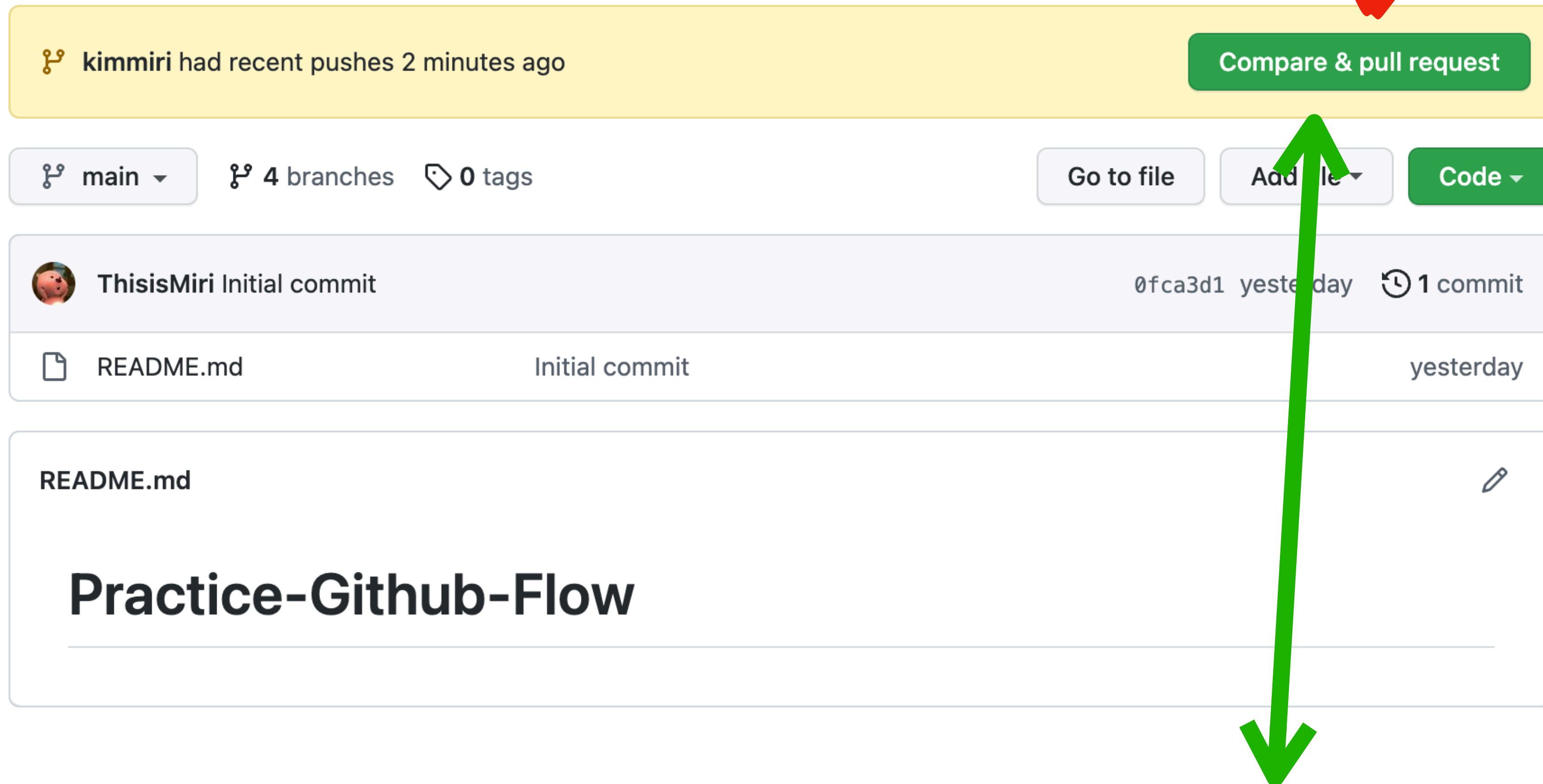
4. push

```
김루피 ~/Desktop/연습/GitHubFlow/Practice-GitHub-Flow kimmiri
git push origin kimmiri
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% (4/4), 376 bytes | 376.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'kimmiri' on GitHub by visiting:
remote:   https://github.com/ThisisMiri/Practice-Github-Flow/pull/new/kimmiri
remote:
To github.com:ThisisMiri/Practice-Github-Flow.git
* [new branch]      kimmiri -> kimmiri
```

git push origin [branch]

사용예시

5. Github으로 가보자구요~




정상적으로 add, commit, push가 되었다면 저 버튼이 뜹니다.


사용예시

6. PR 열기.

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: main < compare: kimmiri > ✓ **Able to merge.** These branches can be automatically merged.



add hello world

Write


Preview

H B I ≡ <> 🔗 ≡ ≡ ☑ @ ↗ ↶


안녕 헬로우 월드입니다!

index.md -> line 2,3,4,5 추가

test.md -> hello world 추가

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

Create pull request >

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


코드에 대한 설명을 최대한 자세히 적어봅니다.


사용예시


7. 코드리뷰


add hello world #3

 Open ThisisMiri wants to merge 1 commit into `main` from `kimmiri` 

 Conversation 0

 Commits 1

 Checks 0

 Files changed 2 +6 -0

Changes from all commits ▾

File filter ▾

Conversations ▾



 index.md 

 test.md 

5  index.md 

... @@ -0,0 +1,5 @@

1 + this is miri

2 + hello world

3 + hello world

4 + hello world

Commenting on lines +2 to +4

Write

Preview

 H B I  <>     @  

코드를 왜 이판식으로 짜셨나요?

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

Cancel

Add single comment

Start a review

Files changed 섹션에
들어가시면
한 줄 한 줄 리뷰가 가능합니다.

사용예시

7. 코드리뷰

add hello world #3

 Open ThisisMiri wants to merge 1 commit into `main` from `kimmiri` 

 Conversation 0  Commits 1  Checks 0  Files changed 2

+6 -0 

 Changes from all commits  File filter  Conversations 

 Filter changed files

 index.md 

 test.md 

5  index.md 

...	...	@@ -0,0 +1,5 @@
1	+	this is miri
2	+	hello world
3	+	hello world
4	+	hello world

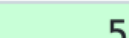




ThisisMiri Pending

코드를 왜 이판식으로 짜셨나요



Reply...

5  + test for github f

1  test.md 

...	...	@@ -0,0 +1 @@
1	+	hello world!

Finish your review

Write

Preview

네에 잘봤습니다~

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

☒ Comment

Submit general feedback without explicit approval.

☐ Approve

Submit feedback and approve merging these changes.

☐ Request changes

Submit feedback that must be addressed before merging.

Submit review


1 pending comment



Finish your review 1

submit review를 누르신
후,
Finish your review를
누르시면 코드리뷰가
완료됩니다.



사용예시


8. 코드리뷰 확인






ThisisMiri commented 1 minute ago Owner  

안녕 헬로우 월드입니다!
index.md -> line 2,3,4,5 추가
test.md -> hello world 추가

  add hello world 9b59cc2



 ThisisMiri reviewed now View changes

ThisisMiri left a comment Owner Author  

네에 잘봤습니다~

index.md

2




+ hello world

3


+ hello world

4

+ hello world

 ThisisMiri now Owner Author  

코드를 왜 이판식으로 짜셨나요?

 Reply...

Resolve conversation

코드리뷰를 이렇게 확인 할 수 있습니다.

사용예시

9. merge



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



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).

merge pull request를 누르시면 머지가 됩니다.

사용예시

9. merge

Add more commits by pushing to the **kimmiri** branch on **ThisMiri/Practice-Github-Flow**.



Merge pull request #3 from ThisMiri/kimmiri

add hello world

Confirm merge

Cancel

confirm merge 누르면 아무튼 끝 !

사용예시

10. merge 완료 !



Pull request successfully merged and closed

You're all set—the `kimmiri` branch can be safely deleted.

Delete branch

사용예시

11. branch 변경하고 pull 하기.

```
김루피 ~/Desktop/연습/GitHubFlow/Practice-Github-Flow kimmiri
git switch main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
김루피 ~/Desktop/연습/GitHubFlow/Practice-Github-Flow main
git pull
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 644 bytes | 644.00 KiB/s, done.
From github.com:ThisisMiri/Practice-Github-Flow
    0fca3d1..a7cc0ca  main    -> origin/main
Updating 0fca3d1..a7cc0ca
Fast-forward
 index.md | 5 +++++
 test.md  | 1 +
 2 files changed, 6 insertions(+)
 create mode 100644 index.md
 create mode 100644 test.md
```

main으로 branch 변경

pull하면서
원격저장소의 내용을
로컬저장소로 가져옵니다.

사용법

사용법 요약

1. 브랜치를 만든다.
2. 파일을 추가하고 커밋을 한다.
3. 브랜치를 원격 저장소에 **Push**한다.
4. GitHub에서 푸시 된 브랜치를 **Pull Request**한다.
5. GitHub에서 코드리뷰를 한다.
6. GitHub에서 **Merge**한다.
7. 로컬 저장소에서 원격 저장소에 머지된 내용을 **Pull**한다.
8. 완료! 🎉



사용법

예시 코드

```
git switch -c rainbow # gsw -c rainbow
touch rainbow      touch = create
echo "this is rainbow" >> rainbow      echo : 새로운 파일과 그 파일
git add -A # gaa
git commit -m "add rainbow" # gc -m "rainbow"
git push origin rainbow # gp origin rainbow
```


사용법

예시 코드 확인

```
Enumerating objects: 7, done.
Counting objects: 100% (7/7), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 493 bytes | 493.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), completed with 1 local object.
remote:
remote: Create a pull request for 'rainbow' on GitHub by visiting:
remote:   https://github.com/subicura-git/sample/pull/new/rainbow
remote:
To https://github.com/subicura-git/sample.git
* [new branch]      rainbow -> rainbow
```

참고

- <https://inpa.tistory.com/entry/GIT-%E2%9A%A1%EF%B8%8F-github-flow-git-flow-%F0%9F%93%88-%EB%B8%8C%EB%9E%9C%EC%B9%98-%EC%A0%84%EB%9E%B5>
- <https://dogfeet.github.io/articles/2011/github-flow.html>
- <https://subicura.com/git/guide/github-flow.html#github-flow-%E1%84%87%E1%85%A1%E1%86%BC%E1%84%89%E1%85%B5%E1%86%A8>
- <https://docs.github.com/en/get-started/quickstart/github-flow>
- <https://fomaio.tistory.com/entry/Git-Github-%EA%B0%99%EC%9D%80-%EC%A0%80%EC%9E%A5%EC%86%8C-%ED%95%A8%EA%BB%98-%EC%93%B0%EA%B8%B0feat%ED%98%91%EC%97%85%ED%95%98%EA%B8%B0>
-