Git 고급

GitHub Push, Pull

- GitHub : 원격 저장소
- git push : 로컬 저장소에서 만든 변경 사항(커밋)을 원격 저장소로 업로드, 로컬에서 원격으로 데이터 전송, 코드 공유 및 협업 필수
- git pull : 원격 저장소의 변경 사항을 로컬 저장소로 가져오는 명령어

GitHub Push, Pull 사용 예

- Push

  #로컬에서 코드 변경 및 커밋 생성
  git add .
  git commit -m "커밋 메시지“
  #원격 저장소(깃허브)로 변경사항 전송
  git push origin <브랜치명>

- Pull

  git pull origin main

GitHub에 로컬 작업 내역 전송

Quick setup — if you've done this kind of thing before

Set up in Desktop or HTTPS SSH https://github.com/anhr1234/it_lecture.git

Get started by creating a new file or uploading an existing file. We recommend every repository include a README, LICENSE, and .gitignore.

...or create a new repository on the command line

```
echo "# it_lecture" >> README.md
git init
git add README.md
git commit -m "first commit"
git branch -M main
git remote add origin https://github.com/anhr1234/it_lecture.git
git push -u origin main
```

...or push an existing repository from the command line

```
git remote add origin https://github.com/anhr1234/it_lecture.git
git branch -M main
git push -u origin main
```

GitHub에 push

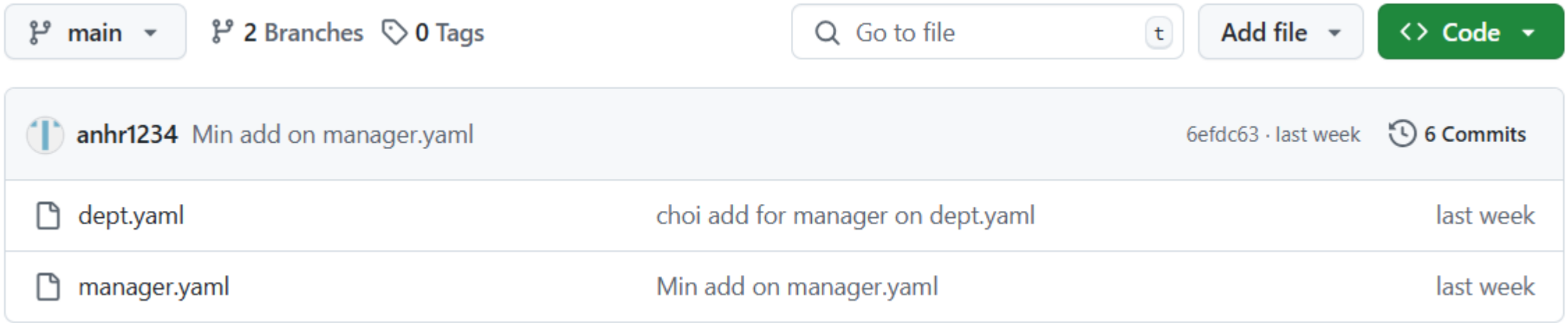
- push할 디렉토리로 이동
- git remote add origin https://github.com/anhr1234/it_lecture.git
- git branch -M main
- git push -u origin main → id / password 입력

```
admin@DESKTOP-15RVNPD MINGW64 /d/git_it_b (main)
$ git push -u origin main
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/get-started/getting-started-with-git/
about-remote-repositories#cloning-with-https-urls for information on currently r
ecommended modes of authentication.
fatal: Authentication failed for 'https://github.com/anhr1234/it_lecture.git/'
```

- 위와 같은 오류 생성! 왜? access token이 설정 되지 않아서!
- password에 어세스 토큰을 넣으면 된다!

GitHub에 push

```
admin@DESKTOP-15RVNPD MINGW64 /d/git_it_b (main)
$ git push -u origin main
Enumerating objects: 18, done.
Counting objects: 100% (18/18), done.
Delta compression using up to 8 threads
Compressing objects: 100% (12/12), done.
Writing objects: 100% (18/18), 1.55 KiB | 530.00 KiB/s, done.
Total 18 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/anhr1234/it_lecture.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

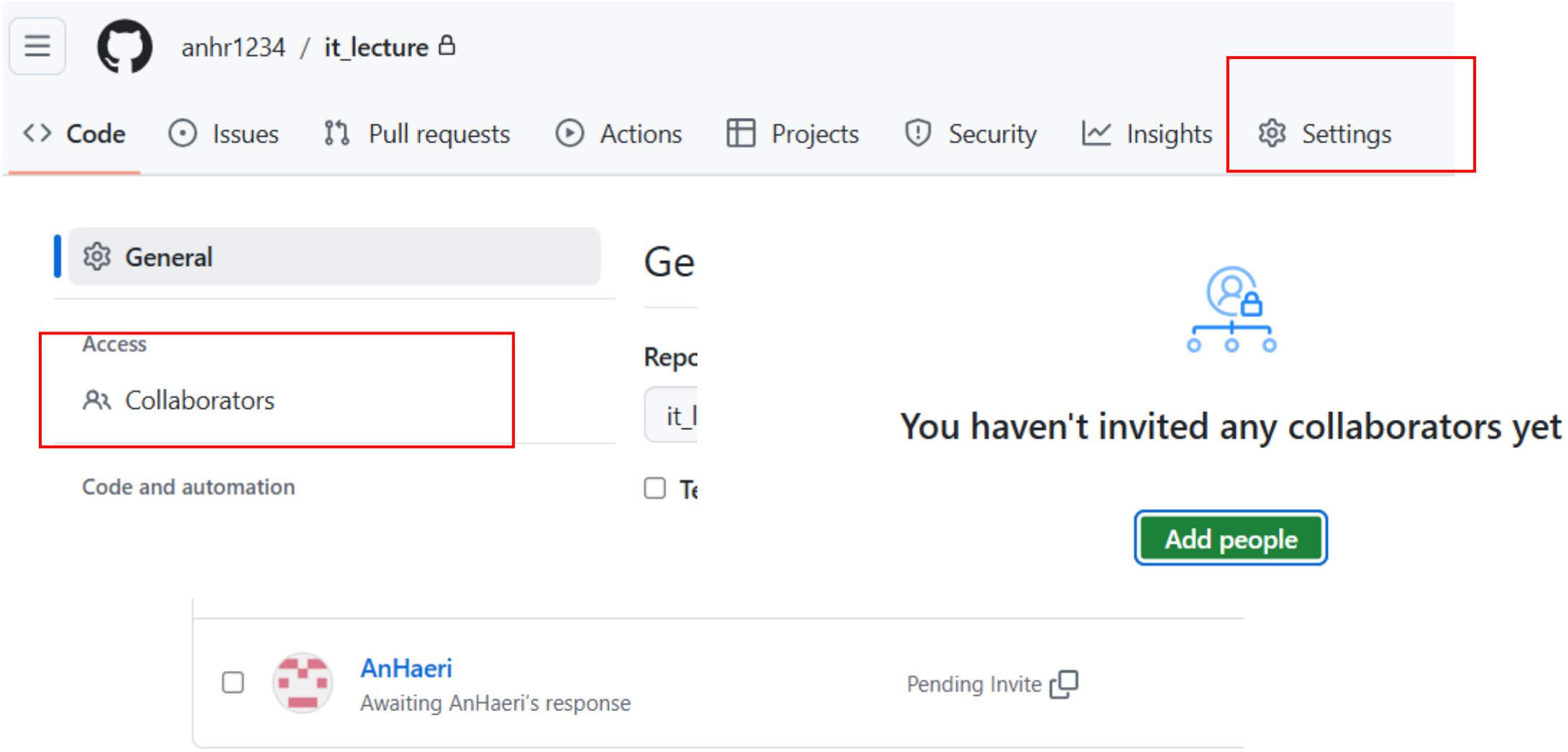


만약 다른 브랜치에 push 원한다면?

```
admin@DESKTOP-15RVNPD MINGW64 /d/git_it_b (main)
$ git switch leader
Switched to branch 'leader'

admin@DESKTOP-15RVNPD MINGW64 /d/git_it_b (leader)
$ git push -u origin leader
Enumerating objects: 14, done.
Counting objects: 100% (14/14), done.
Delta compression using up to 8 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (12/12), 1.09 KiB | 556.00 KiB/s, done.
Total 12 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'leader' on GitHub by visiting:
remote:      https://github.com/anhr1234/it_lecture/pull/new/leader
remote:
To https://github.com/anhr1234/it_lecture.git
 * [new branch]      leader -> leader
branch 'leader' set up to track 'origin/leader'.
```

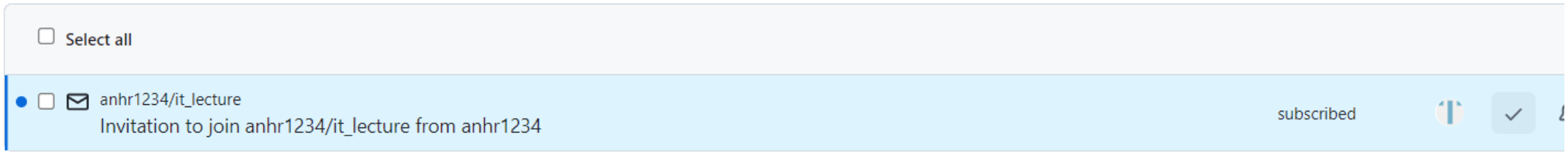
GitHub을 협업 해보기!

초대 보내는 사람



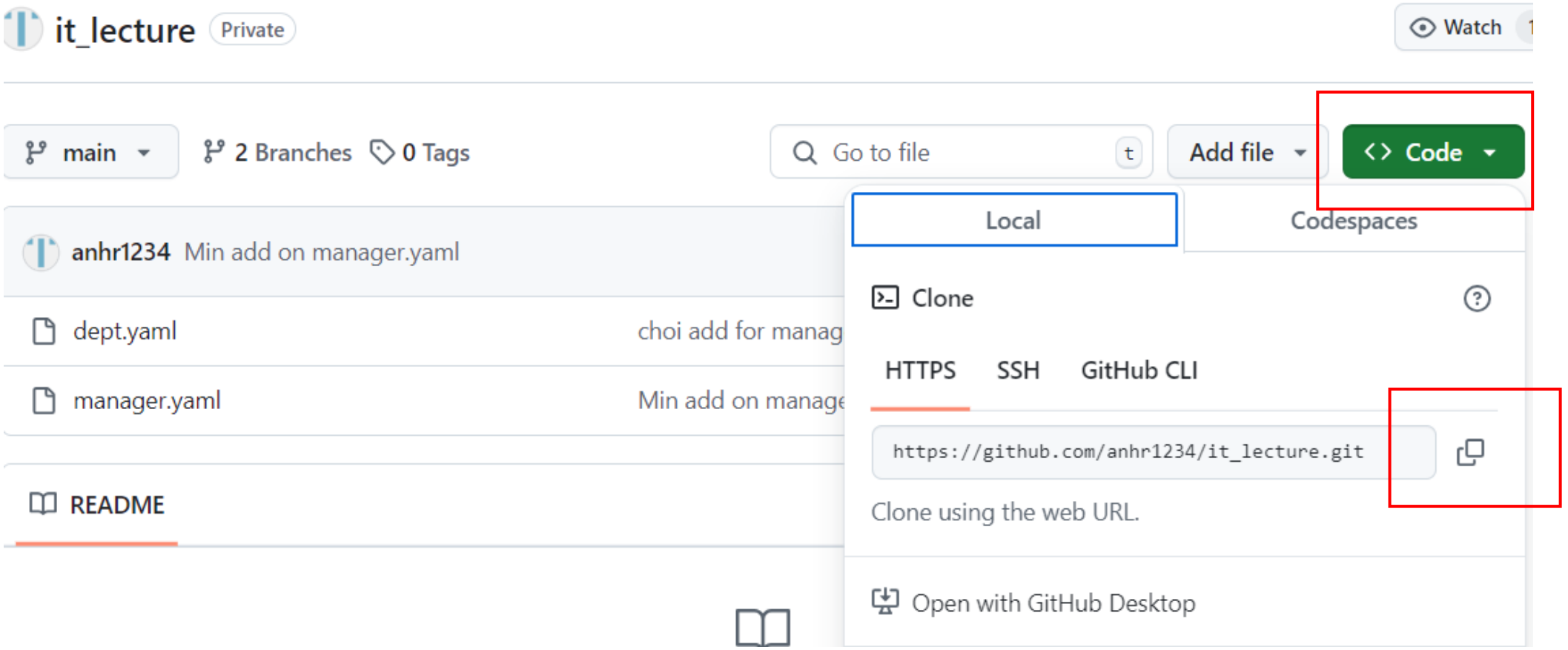
GitHub을 협업 해보기!

초대 받는 사람



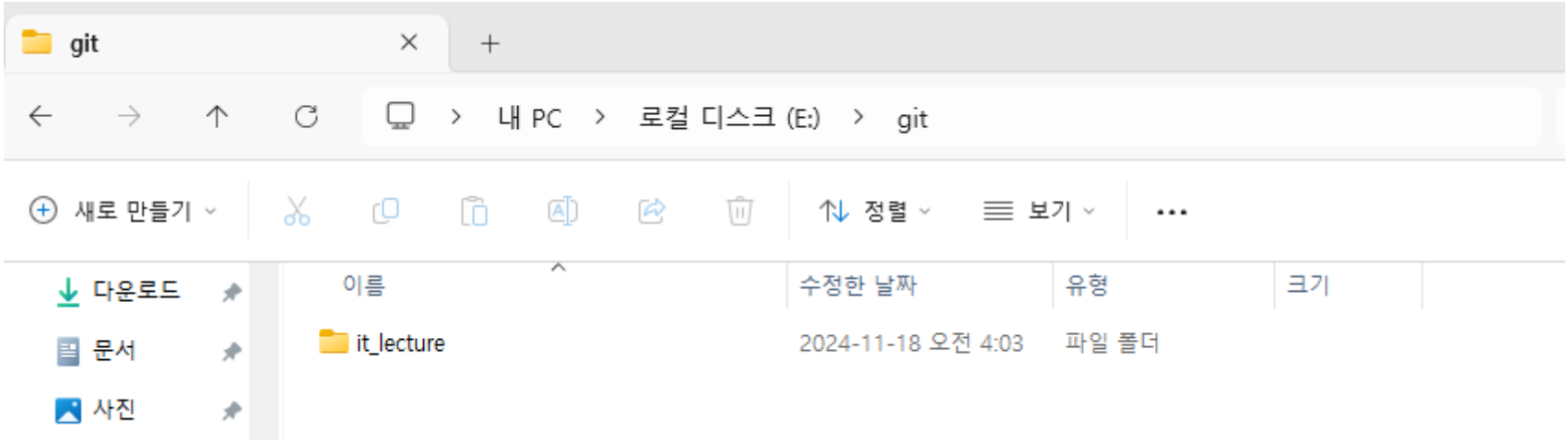
해당 메시지 클릭 → accept

git pull!


it_lecture
Private
Watch
main
2 Branches
0 Tags
Go to file
t
Add file
Code
Local
Codespaces
anhr1234 Min add on manager.yaml
Clone
dept.yaml
choi add for manag
HTTPS
SSH
GitHub CLI
manager.yaml
Min add on manage
https://github.com/anhr1234/it_lecture.git
README
Clone using the web URL.
Open with GitHub Desktop

git pull

```
Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git
$ git clone https://github.com/anhr1234/it_lecture.git
Cloning into 'it_lecture'...
remote: Enumerating objects: 30, done.
remote: Counting objects: 100% (30/30), done.
remote: Compressing objects: 100% (19/19), done.
remote: Total 30 (delta 1), reused 30 (delta 1), pack-reused 0 (from 0)
Receiving objects: 100% (30/30), done.
Resolving deltas: 100% (1/1), done.
```



main branch에 추가 해보기!

```
Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git/it_lecture (main)
$ git add .

Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git/it_lecture (main)
$ git commit -m 'add test'
[main b70746f] add test
 1 file changed, 2 insertions(+), 1 deletion(-)

Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git/it_lecture (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 289 bytes | 289.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/anhr1234/it_lecture.git
   6efdc63..b70746f  main -> main
```

leader브랜치 추가

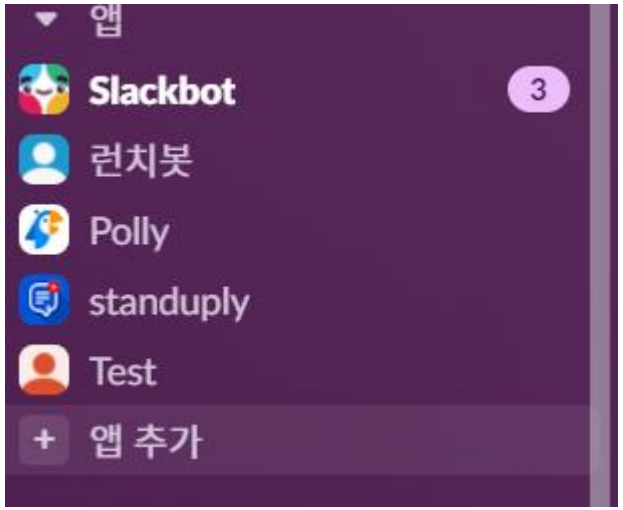
```
Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git/it_lecture (leader)
$ git add .

Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git/it_lecture (leader)
$ git commit -m 'add test on leader'
[leader 61c4dae] add test on leader
 1 file changed, 2 insertions(+), 1 deletion(-)

Administrator@DESKTOP-T7Q8OLC MINGW64 /e/git/it_lecture (leader)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 294 bytes | 294.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/anhr1234/it_lecture.git
   826d65e..61c4dae  leader -> leader
```

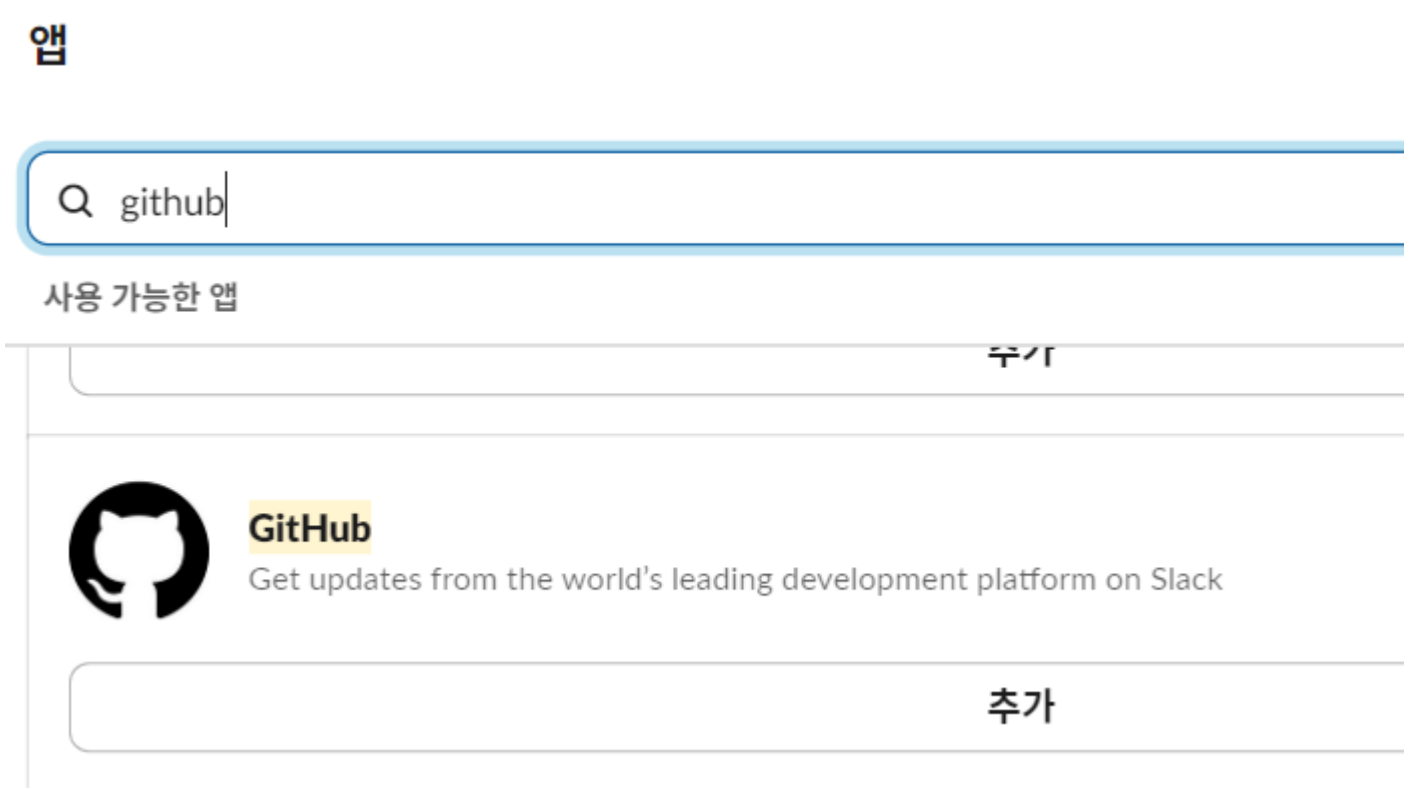
실습) 상대방의 레포에 push / pull해보기

- 옆에 친구 레포에 push pull 해보기!

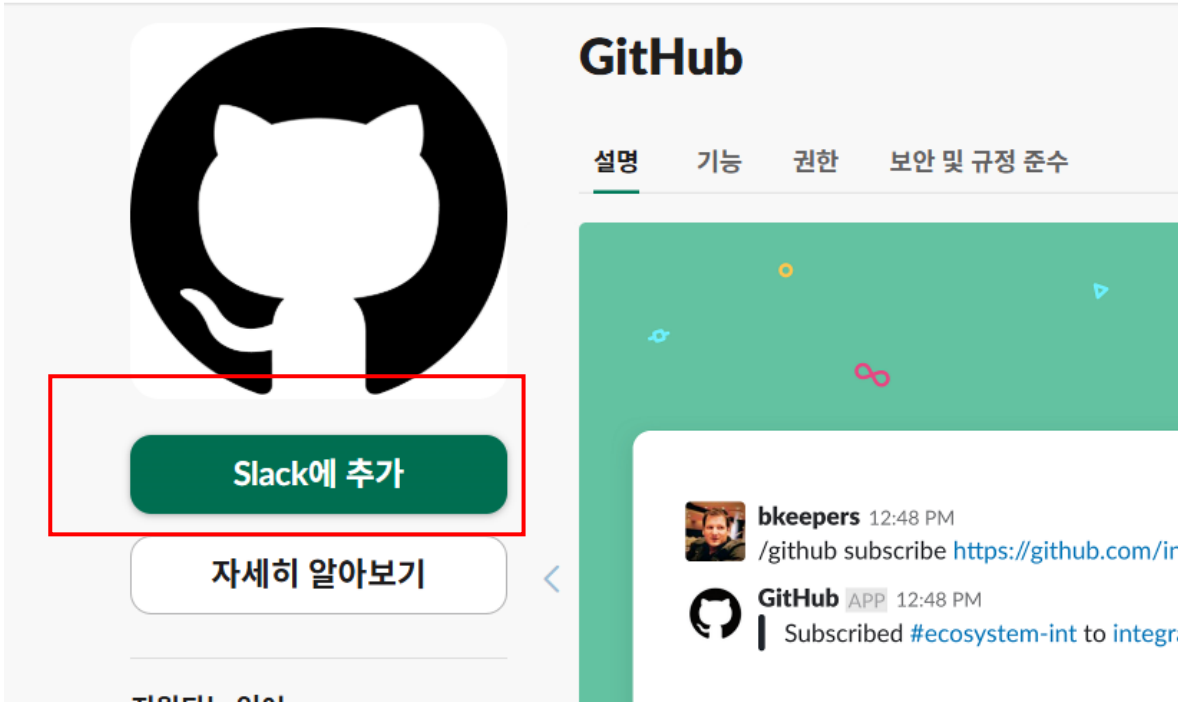
slack git hub연동

- 슬랙 하단 → 앱추가 → github 추가



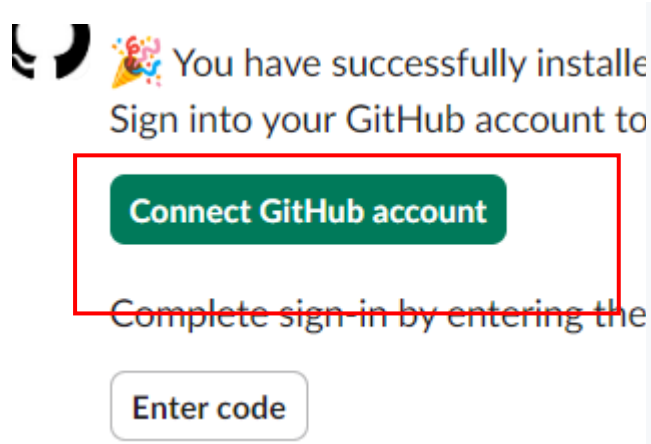


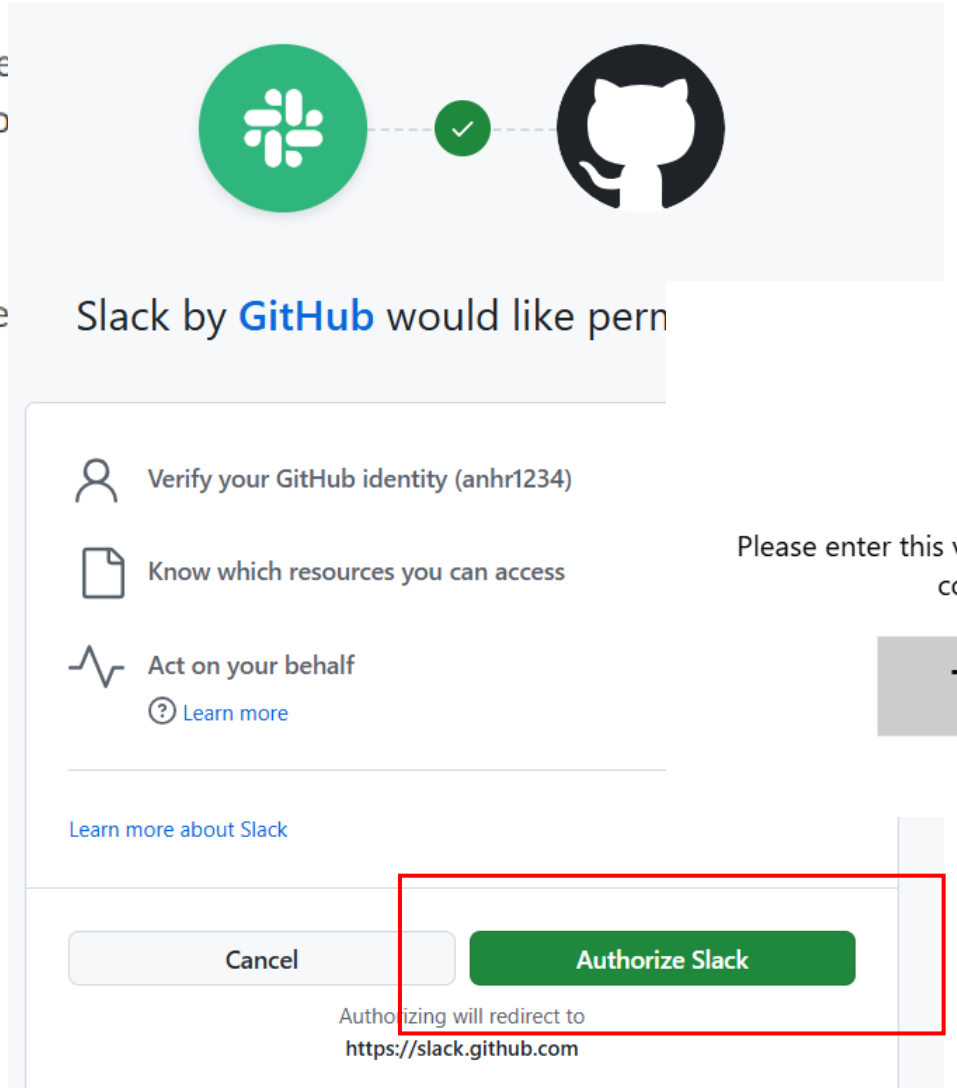
slack에서 할 것!

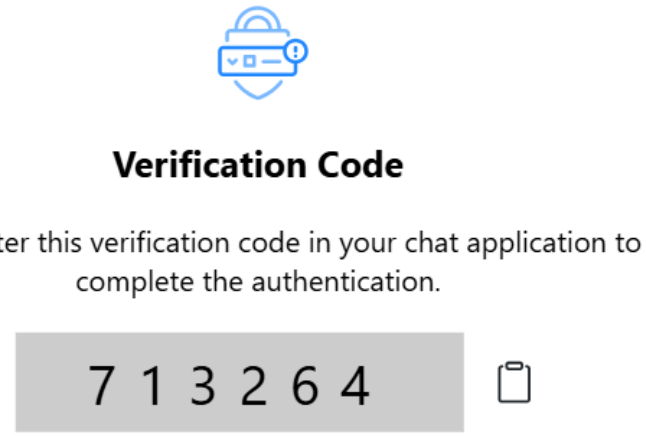

GitHub
설명
기능
권한
보안 및 규정 준수
Slack에 추가
자세히 알아보기
bkeepers 12:48 PM
/github subscribe https://github.com/ir
GitHub APP 12:48 PM
Subscribed #ecosystem-int to integr

GitHub에서 Shingu Slack 워크스페이스에 액세스하기 위해 권한을 요청합니다.
GitHub에서 볼 수 있는 항목은 무엇인가요?
채널과 대화에 관한 콘텐츠와 정보
내 워크스페이스에 관한 콘텐츠와 정보
GitHub에서 무엇을 할 수 있나요?
채널과 대화에서 작업 수행
내 워크스페이스에서 작업 수행
취소
허용

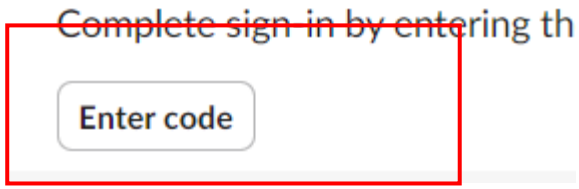
github account 연동



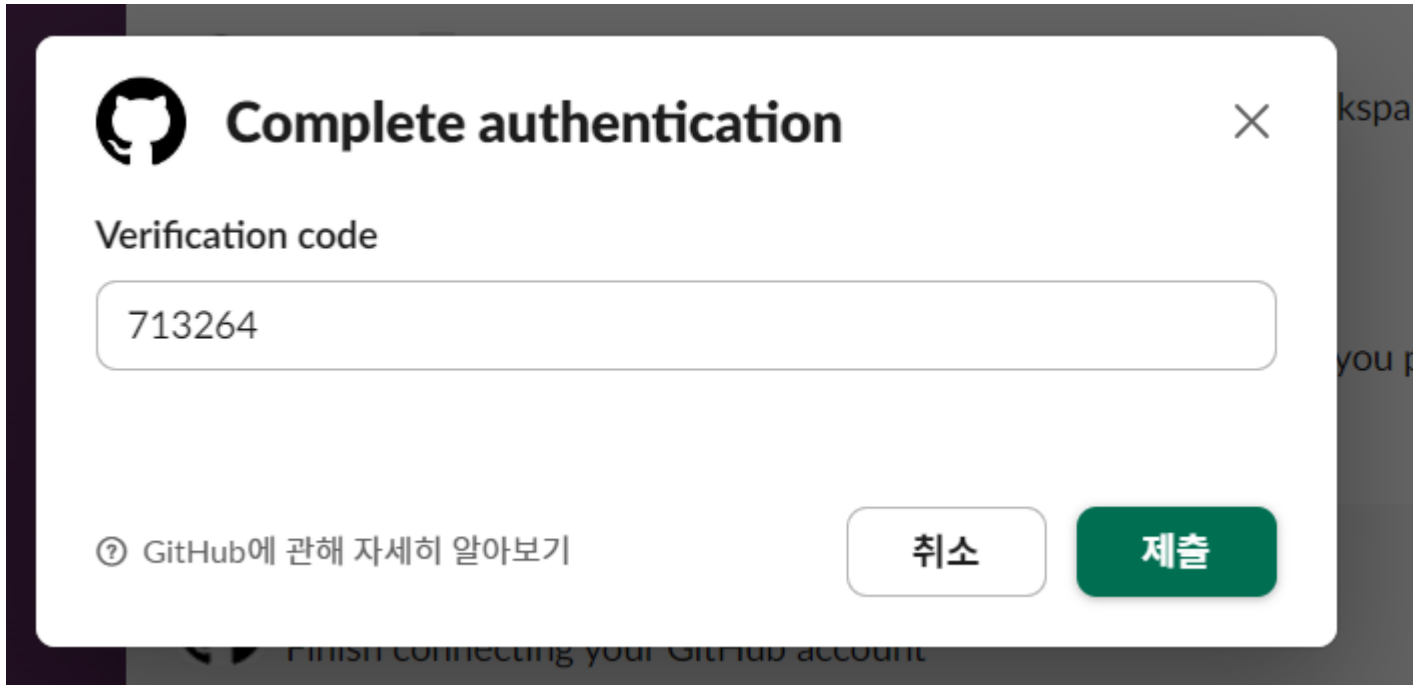




github account 연동



생성된 코드를
슬랙 채널
Enter code 누른 뒤
코드 넣기!



교수_안해리 오전 4:37

/github subscribe https://github.com/anhr1234/it_lecture.git

나에게만 표시

GitHub 앱 오전 4:37

Either the app isn't installed on your repository or the repository doe
proceed.

Install GitHub App

Install on your personal account anhr1234

for these repositories:

All repositories
This applies to all current *and* future repositories owned by the resource owner.
Also includes public repositories (read-only).

Only select repositories
Select at least one repository.
Also includes public repositories (read-only).

Select repositories

Search for a repository

anhr1234/it_lecture
no description

wit

and repository projects

Read and **write** access to actions, deployments, issues, and pull requests

Install Cancel

Next: you'll be directed to the GitHub App's site to complete setup.

나에게만 표시

:39 ✅ Success! The app is installed.

교수_안해리 오전 4:55

/github subscribe anhr1234/it_lecture

GitHub 앱 오전 4:55

✅ Subscribed to anhr1234/it_lecture. This channel will receive notifications for `issues`, `pulls`, `commits`, `releases`, `deployments`

Learn More

GitHub 앱 오전 5:33

3 new commits pushed to `main` by anhr1234

> `19802a8a` - test
> `477bd9a6` - test
> `cbbcfbd2` - tset3
> anhr1234/it_lecture