

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 recommended 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'.
```

 main ▾


 2 Branches  0 Tags

 Go to file


t

Add file ▾

 Code ▾

 anhr1234 Min add on manager.yaml

6efdc63 · last week  6 Commits

 dept.yaml

choi add for manager on dept.yaml

last week

 manager.yaml

Min add on manager.yaml

last week




# 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

 anhr1234 / it\_lecture 

 Code  Issues  Pull requests  Actions  Projects  Security  Insights  Settings

### General

Access

 Collaborators

Code and automation

Ge

Repc

it\_l

☐ Te




You haven't invited any collaborators yet

Add people



AnHaeri

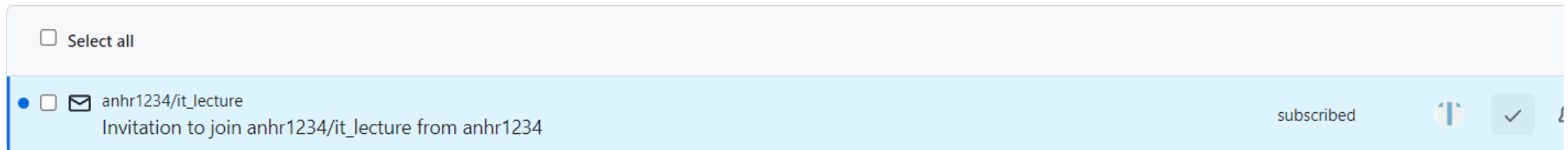
Awaiting AnHaeri's response

Pending Invite 



# GitHub을 협업 해보기!

초대 받는 사람



해당 메시지 클릭 → accept

# git pull!

The image shows a GitHub repository interface for a repository named 'it\_lecture' which is marked as 'Private'. At the top, there are buttons for 'main' (selected), '2 Branches', and '0 Tags'. A search bar labeled 'Go to file' is present. To the right, there is a 'Watch' button and a 'Code' button with a dropdown arrow. The 'Code' dropdown menu is open, showing two tabs: 'Local' (selected) and 'Codespaces'. Under the 'Local' tab, there is a 'Clone' section with three options: 'HTTPS', 'SSH', and 'GitHub CLI'. The 'HTTPS' option is selected, and the URL 'https://github.com/anhr1234/it\_lecture.git' is displayed in a text box. A red box highlights the URL and the copy icon to its right. Below the URL, it says 'Clone using the web URL.' At the bottom of the dropdown, there is an option 'Open with GitHub Desktop'. In the background, the repository's file list is visible, showing files like 'dept.yaml' and 'manager.yaml' with their respective commit messages. A 'README' file is also listed.

it\_lecture Private

main 2 Branches 0 Tags

Go to file

Add file

<> Code

Local Codespaces

Clone

HTTPS SSH GitHub CLI

https://github.com/anhr1234/it\_lecture.git

Clone using the web URL.

Open with GitHub Desktop

anhr1234 Min add on manager.yaml

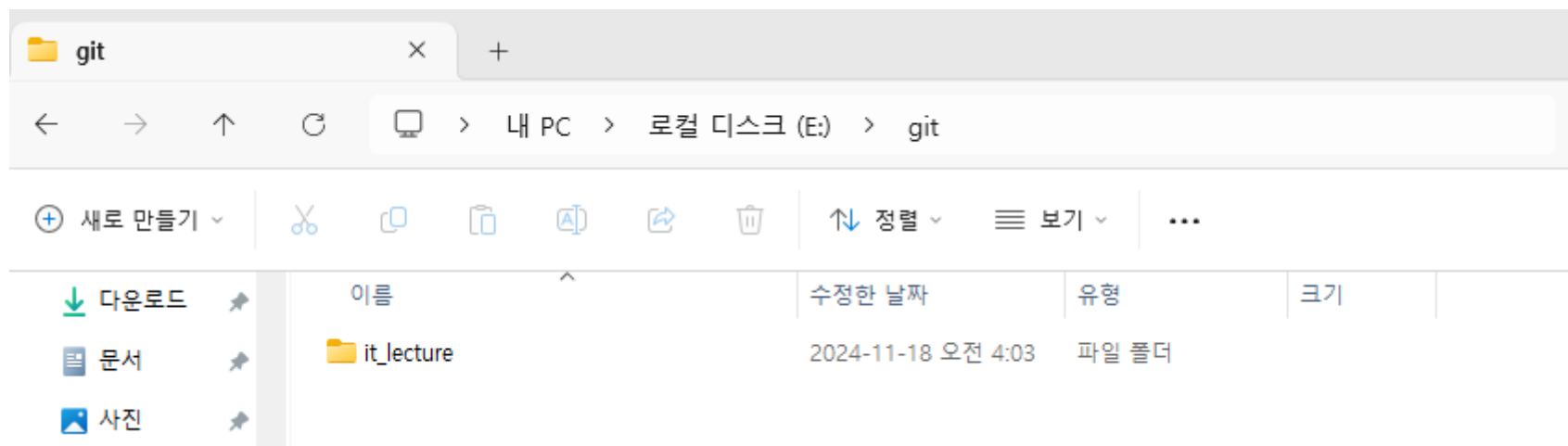
dept.yaml choi add for manag

manager.yaml Min add on manage

README

# git pull

```
Administrator@DESKTOP-T7Q80LC 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-T7Q80LC MINGW64 /e/git/it_lecture (main)
$ git add .

Administrator@DESKTOP-T7Q80LC MINGW64 /e/git/it_lecture (main)
$ git commit -m 'add test'
[main b70746f] add test
1 file changed, 2 insertions(+), 1 deletion(-)

Administrator@DESKTOP-T7Q80LC 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-T7Q80LC MINGW64 /e/git/it_lecture (leader)
$ git add .

Administrator@DESKTOP-T7Q80LC 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(-)

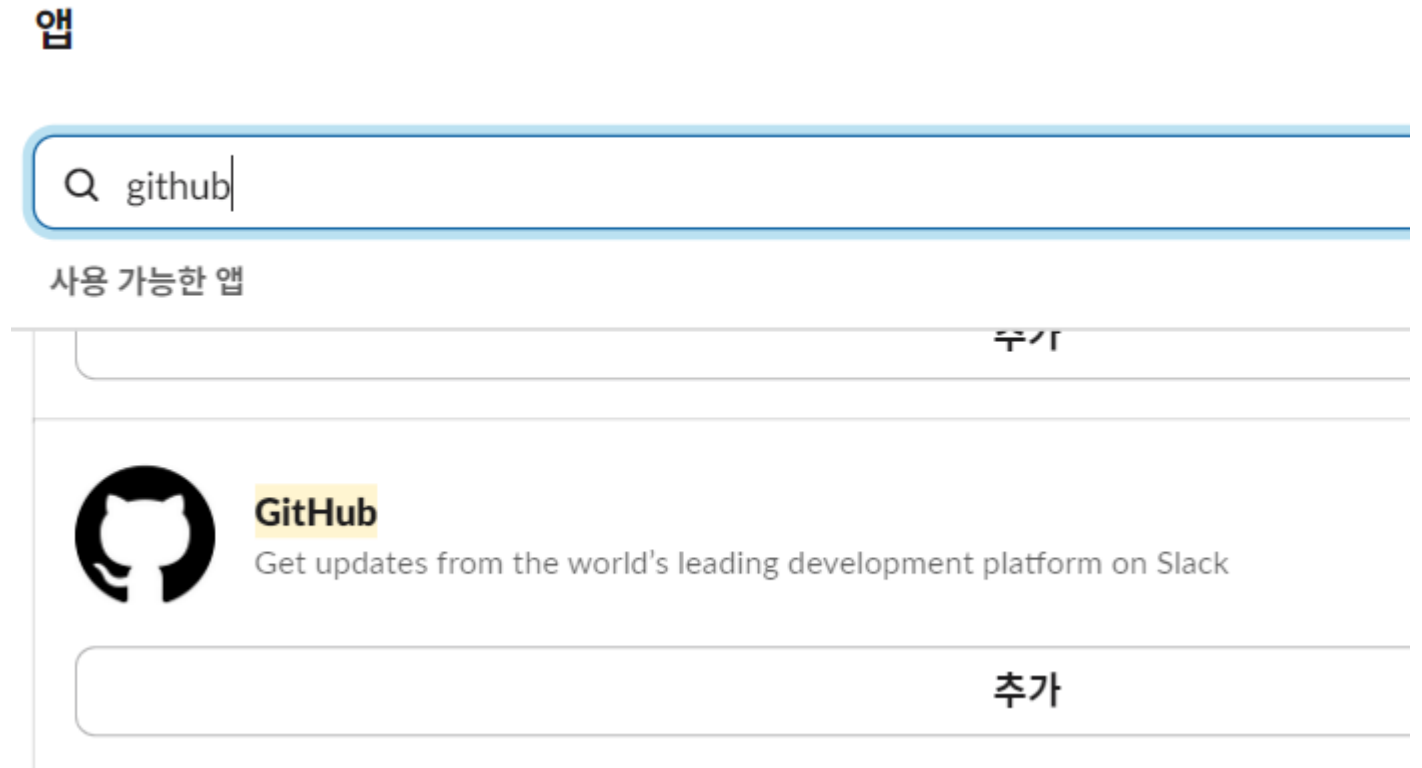
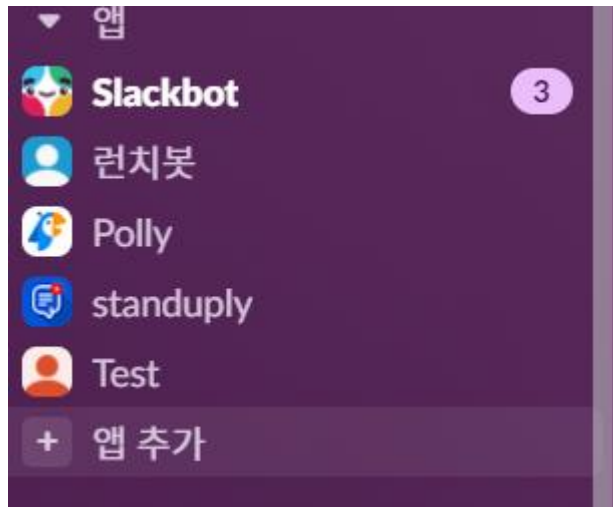
Administrator@DESKTOP-T7Q80LC MINGW64 /e/git/it_lecture (leader)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 294 bytes | 294.00 KiB/s, done.
Total 3 (delta 0), 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

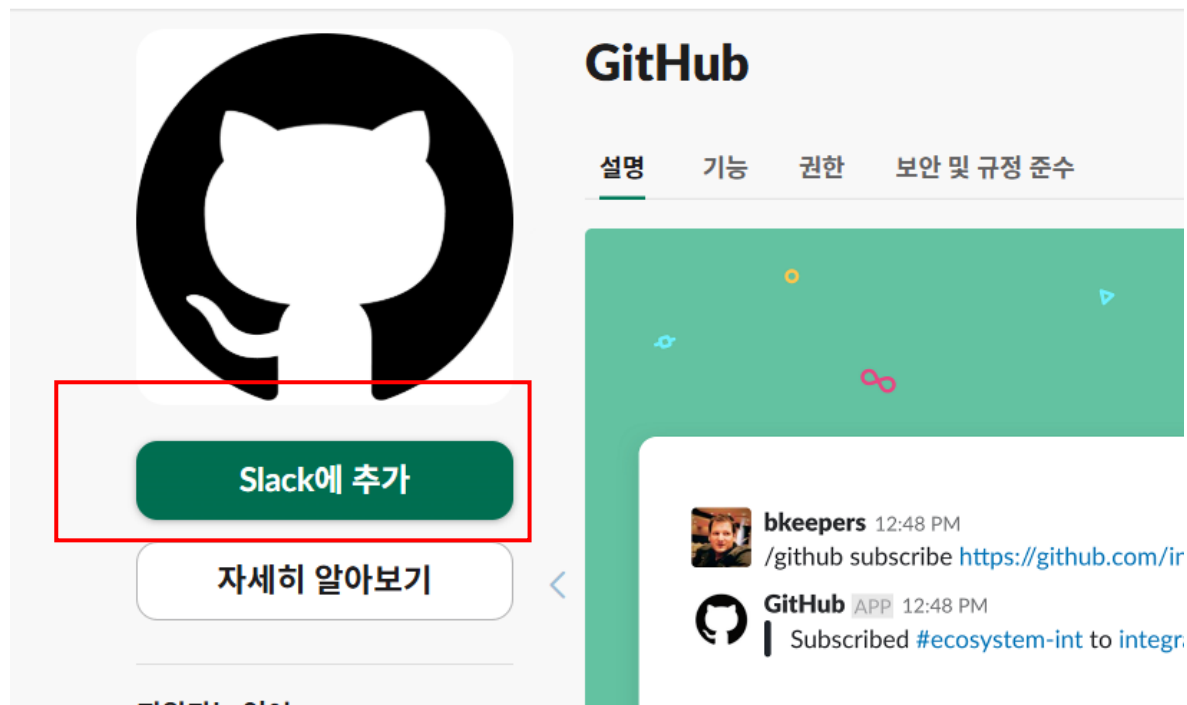
- 옆에 친구 레포에 push pull 해보기!

# slack git hub연동

- 슬랙 하단 → 앱추가 → github 추가



# slack에서 할 것!



**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 ▶





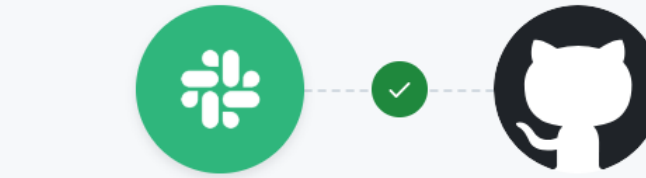
# github account 연동

 You have successfully installed Slack.  
Sign into your GitHub account to

[Connect GitHub account](#)


Complete sign-in by entering the


[Enter code](#)



Slack by **GitHub** would like permission to

 Verify your GitHub identity (anhr1234)

 Know which resources you can access

 Act on your behalf  
[Learn more](#)

[Learn more about Slack](#)

Cancel

[Authorize Slack](#)

Authorizing will redirect to  
<https://slack.github.com>



## Verification Code

Please enter this verification code in your chat application to complete the authentication.

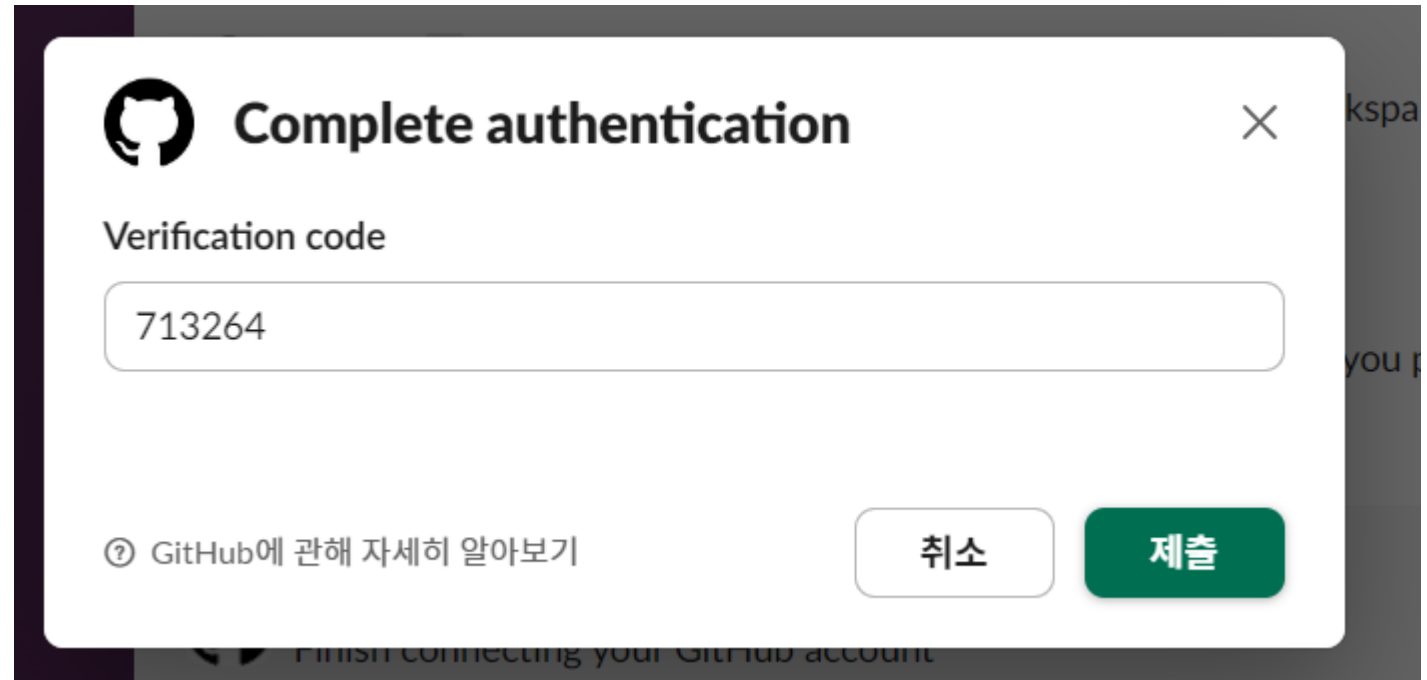
7 1 3 2 6 4



# 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](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 does not have the app installed. Please install the app on your repository to 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

with

✓ Read access to checks, code, commit statuses, discussions, metadata, 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](#)