



Git

22.07.12 / DSL 7기 전재현

0. 목차

1. 설치 및 환경설정

- Git Bash
- 이름/이메일
- 기본 브랜치 이름

2. CLI

- GUI vs CLI
- 주요 명령어

3. VCS

- 필요성

4. Git 실습

- 주요 명령어
- File Status
- Commit & Branch

5. Github

- 장점
- Repository
- README

6. DSL Organization

- 계획
- Fork & Pull Request

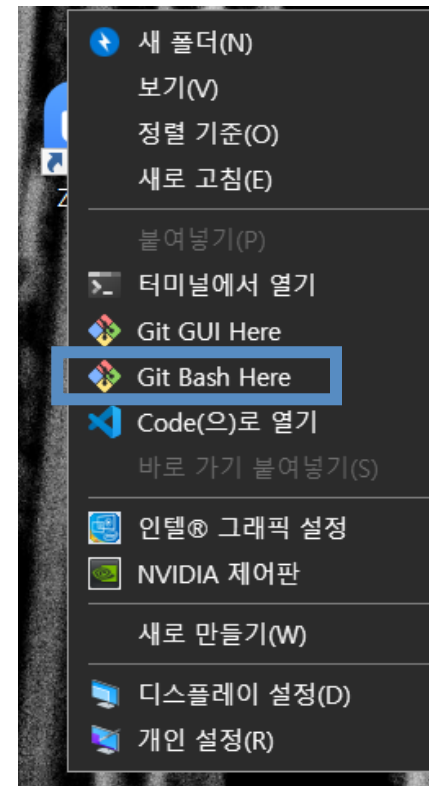
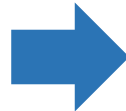
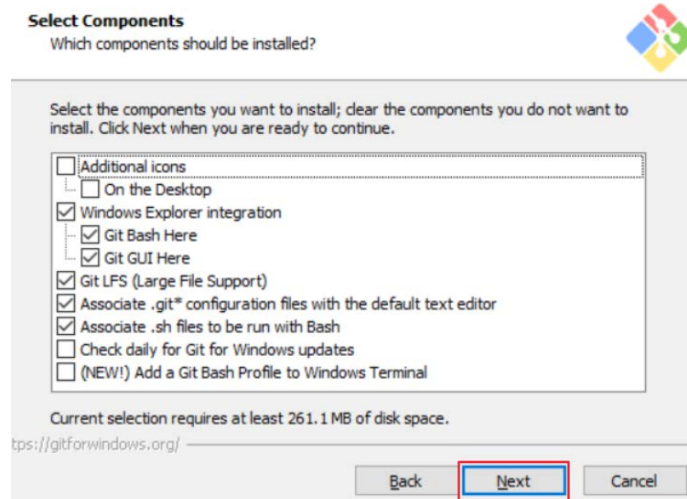
7. Wrap Up

- 기타 명령어
- Mindset

1. 설치 및 환경설정

1. Git Bash 설치

- Windows 기준 - <https://taewow.tistory.com/13>
- 특이 사항



Windows Explorer Integration
체크해서 마우스 우클릭하면 Git Bash Here가 보일 수 있도록!

(단순히 다루기 편하게 하기 위함으로,
mac의 경우 이게 안되더라도 쉽게 Git Bash로 접근할 수 있기만 하면 됩니다)

1. 설치 및 환경설정

2. 이름/이메일 등록

```
MINGW64/c:/Users/Jaehyun/Desktop
전 재 현 @LAPTOP-7QJ50F43 MINGW64 ~/Desktop
$ git config --global user.name "jeochris"

전 재 현 @LAPTOP-7QJ50F43 MINGW64 ~/Desktop
$ git config --global user.email "chris990126@gmail.com"

전 재 현 @LAPTOP-7QJ50F43 MINGW64 ~/Desktop
$ git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=openssl
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager-core
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
core.editor="C:\Users\Jaehyun\AppData\Local\Programs\Microsoft VS Code\bin\code"
```

`git config --global user.name “이름”`
`git config --global user.email “이메일”`

`git config --list`로 설정된 것 확인

1. 설치 및 환경설정

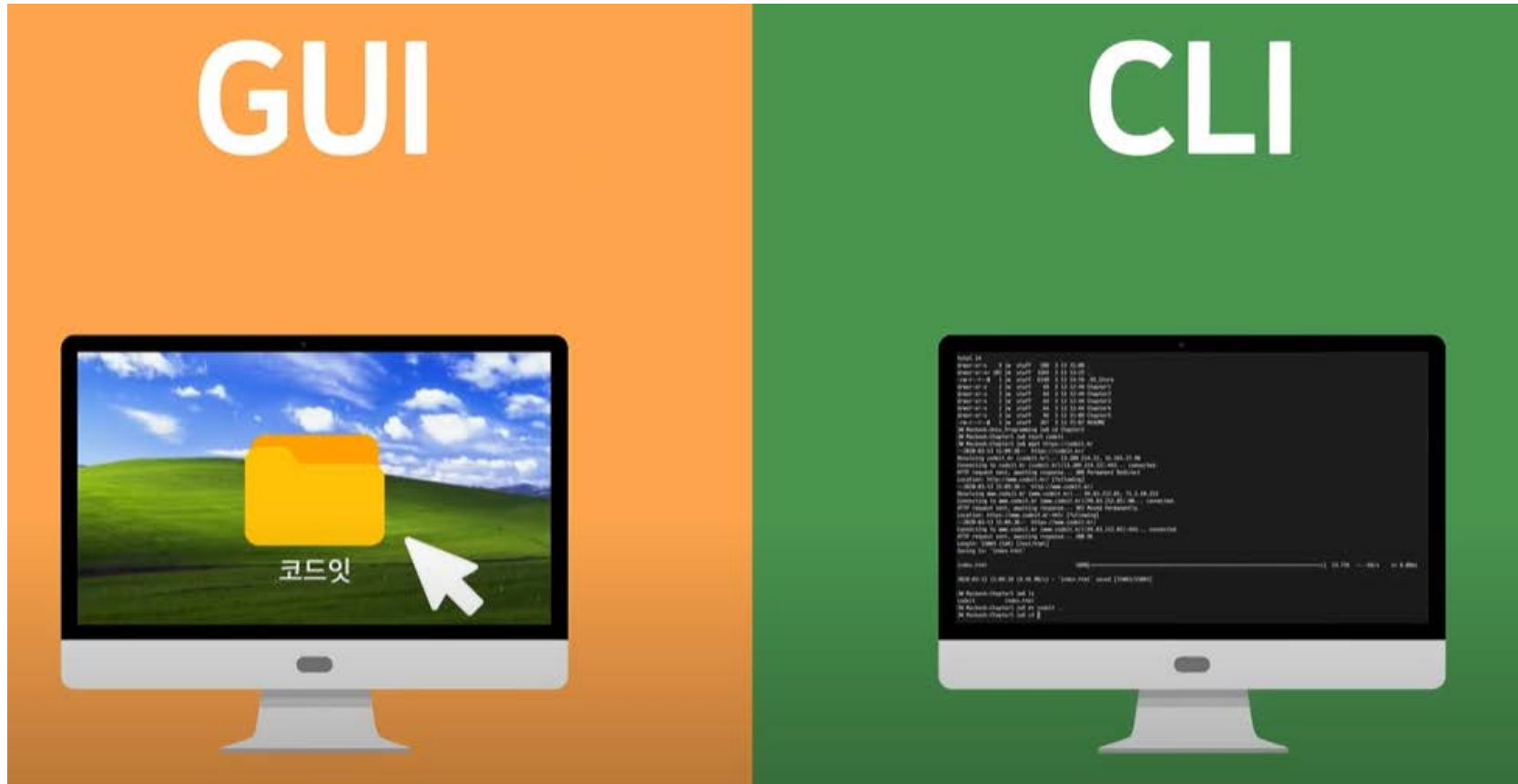
3. 기본 브랜치 이름 master -> main

```
git config --global init.defaultBranch main
```

참고 - <https://blog.outsider.ne.kr/1503>

2. CLI (Command Line Interface)

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2. CLI (Command Line Interface)

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주요 명령어

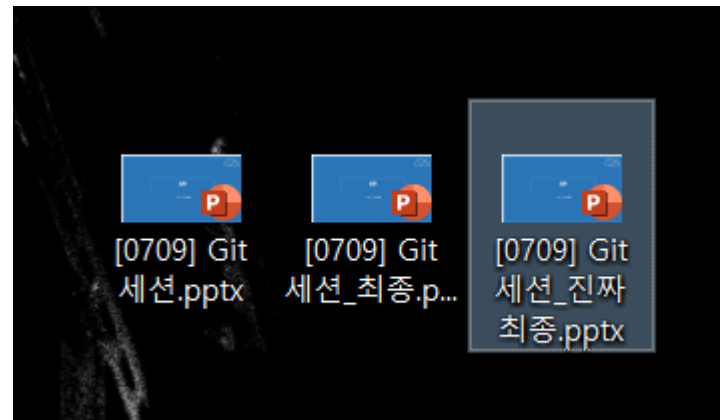
- pwd
- cd [Tool] . / .. / tab키
- ls (ls -al)
- mkdir
- rm (rm -rf)
- touch
- 방향키로 기존 명령어 재사용 / clear

참고 - <https://honeyteacs.tistory.com/40>

3. VCS (Version Control System)

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필요성

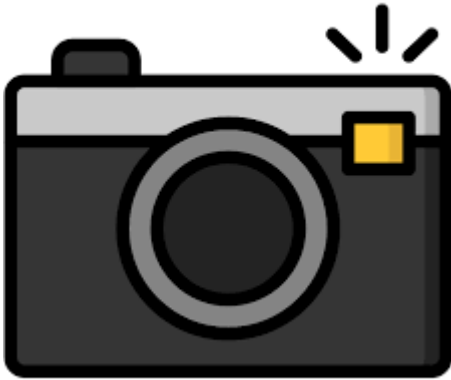


매번 저장?

3. VCS (Version Control System)

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필요성



commit



```
MINGW64/c:/Users/Jaehyun/Desktop/Restaurant-Database-Project
전 재 현 @LAPTOP-7QJ50F43 MINGW64 ~/Desktop/Restaurant-Database-Project (main)
$ git log
commit 4ff84209fcc98278904606561a3d6752bde47dcb (HEAD -> main, origin/main, origin/HEAD)
Author: jeochris <chris990126@gmail.com>
Date: Tue Jun 28 21:34:04 2022 +0900

    refresh

commit 24bb75ac0c714a99d61941dbc81080db004fcf3
Merge: 9a1f19a 64315a6
Author: Jaehyun Jeon <chris990126@gmail.com>
Date: Tue Jun 28 21:31:56 2022 +0900

    Merge pull request #1 from jeochris/jaehyun

pr test

commit 64315a653b4e4217f5c54e1b008a4e05b7c855d3 (origin/jaehyun, jaehyun)
Author: jeochris <chris990126@gmail.com>
Date: Tue Jun 28 21:30:04 2022 +0900

    pr test
```

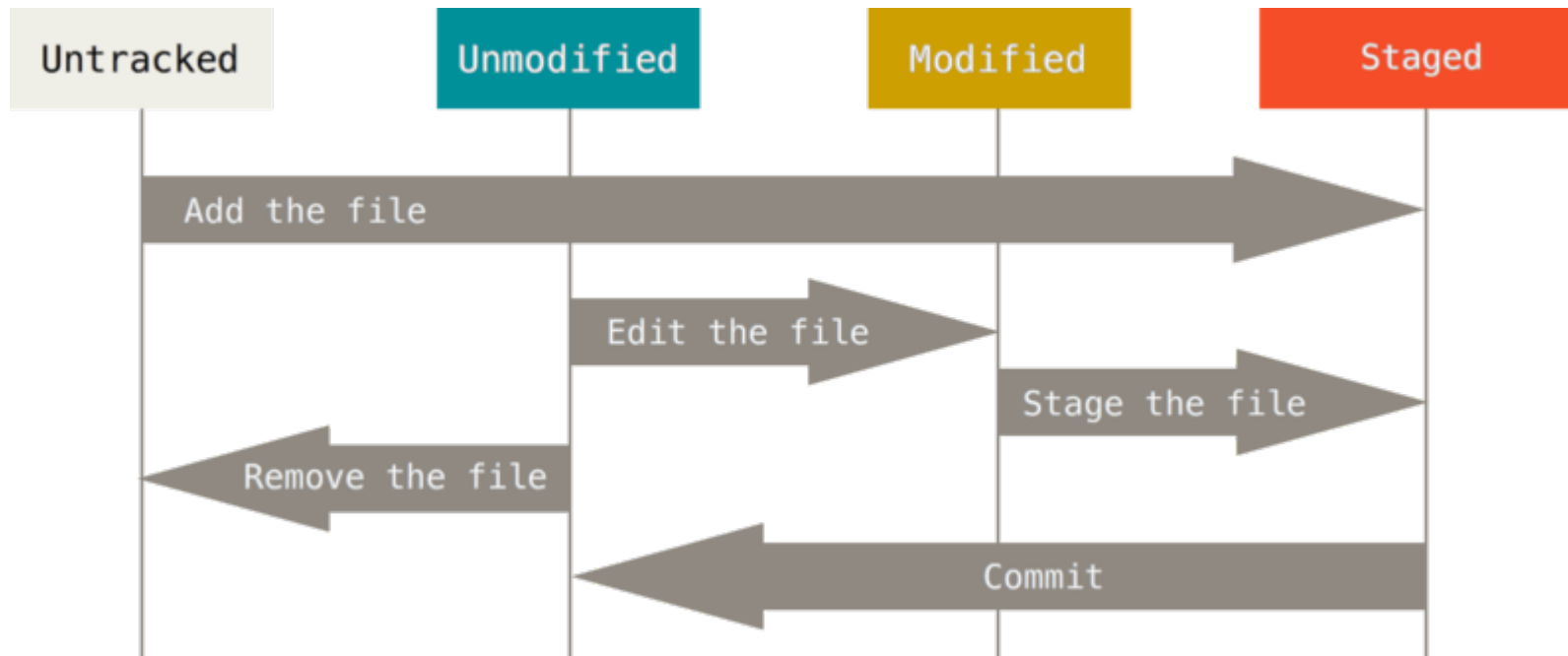
4. Git 실습

주요 명령어

- **git init** - 파랑색 main이 뜨고 .git 폴더가 생김 / 버전을 관리할 폴더에만 만들기!
- **git status** - untracked, modified / staged (=changes to be committed)
- **git add** (git add .)
- **git commit -m “커밋명”** - 커밋명은 의미있게!
- **git log** (git log --oneline) - q로 나가기
- **git branch**
- **git checkout**

4. Git 실습

File Status



4. Git 실습

Commit & Branch

〈Branch〉
commit을
가리키는 요소!

- git branch
- git checkout

```
MINGW64:/c/Users/Jaehyun/Desktop/Restaurant-Database-Project
전 재 현 @LAPTOP-7QJ50F43 MINGW64 ~/Desktop/Restaurant-Database-Project (main)
$ git log
commit 4ff84209fcc98278904606561a3d6752bde47dcb (HEAD -> main, origin/main, origin/HEAD)
Author: jeochris <chris990126@gmail.com>
Date: Tue Jun 28 21:34:04 2022 +0900

    refresh

commit 24bb75ac0c714a99d61941dbc81080db004fcf3
Merge: 9a1f19a 64315a6
Author: Jaehyun Jeon <chris990126@gmail.com>
Date: Tue Jun 28 21:31:56 2022 +0900

    Merge pull request #1 from jeochris/jaehyun

pr test

commit 64315a653b4e4217f5c54e1b008a4e05b7c855d3 (origin/jaehyun, jaehyun)
Author: jeochris <chris990126@gmail.com>
Date: Tue Jun 28 21:30:04 2022 +0900

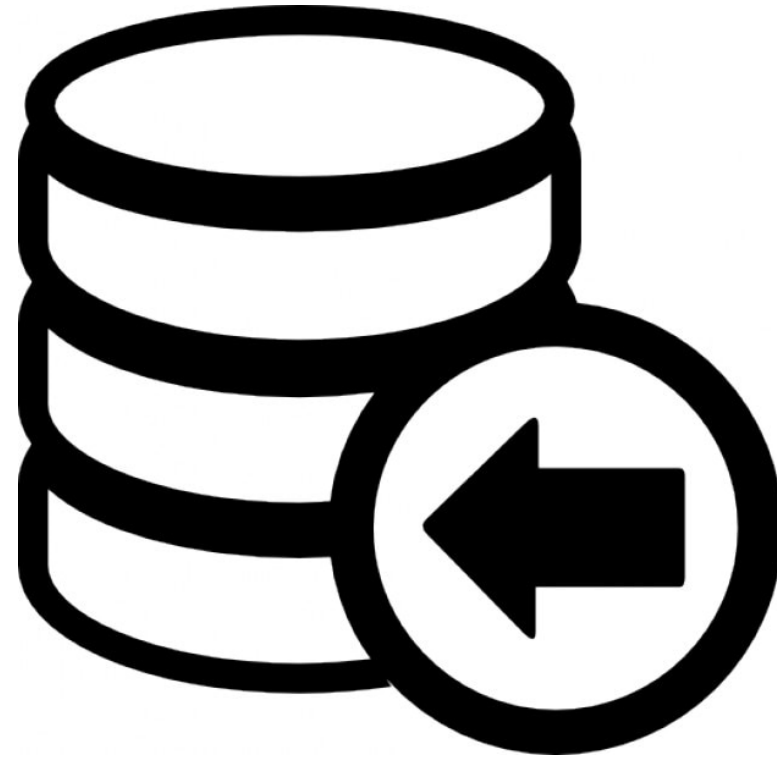
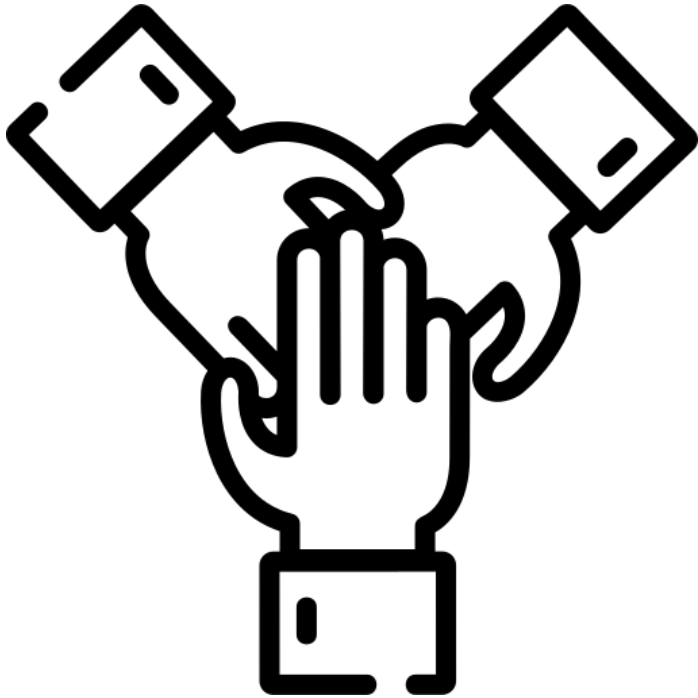
pr test
```

5. Github



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장점

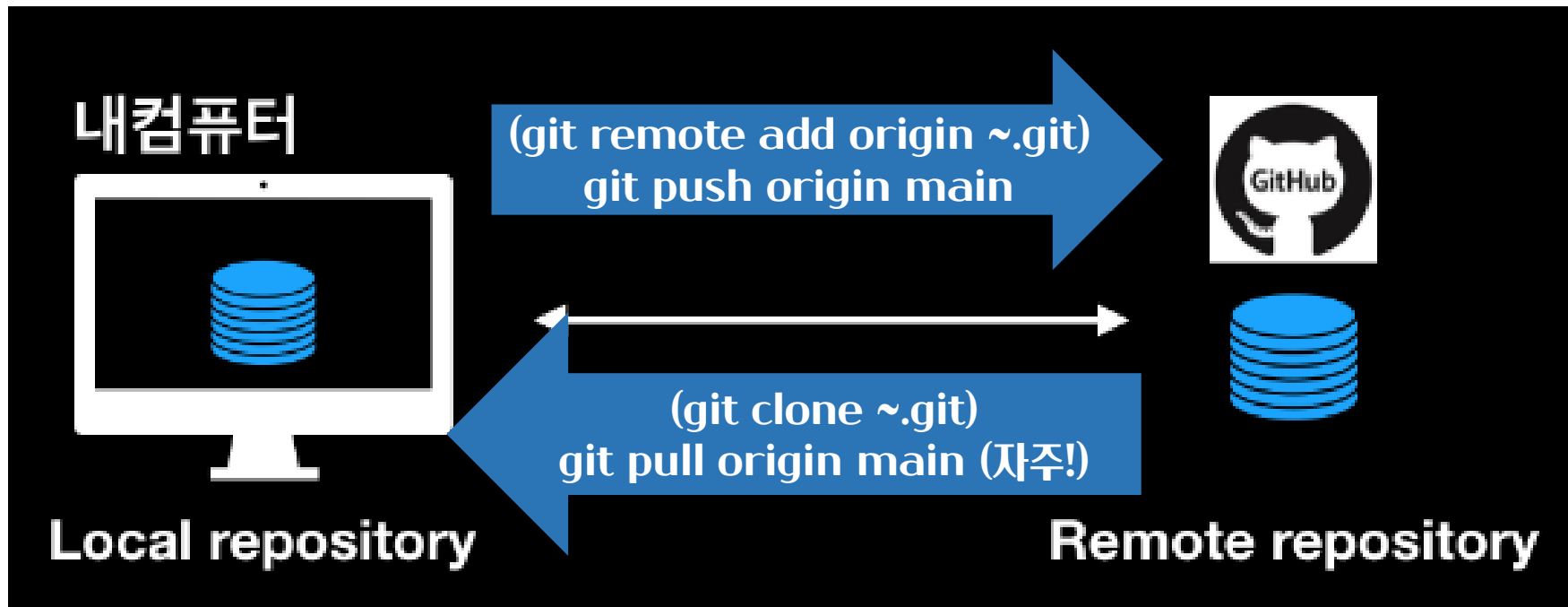


5. Github



Repository (Local vs Remote)

`git remote -v`



Authentication error -

<https://curryyou.tistory.com/344>

5. Github



README.md (Markdown 언어)

<https://gist.github.com/ihoneymon/652be052a0727ad59601>

```
face-vote-system / README.md in main
<> Edit file Preview
1 # face-vote-system
2
3 ## Requirements
4 ```
5 pip install django
6 ```
7 1. Insert two Front facial images to compare in each folder: `static/front/comp{i}/`
8 2. Left and Right as well
9 3. Let appropriate number on `FRONT_IMG LEFT_IMG RIGHT_IMG` in `vote_app/views.py` (number
10 4. Use your own `secrets.json` (secret key)
11
12 ## How to run
13 1. Migrate only when you first start this program
14 ```
15 python manage.py makemigrations
16 python manage.py migrate
17 ```
18 2. Run server
19 ```
20 python manage.py runserver
21 ```
22 3. Go to `127.0.0.1:8000/`
23 4. Start voting each pair (1~5) : higher score if you think similar
24 5. You can continue voting on where you stopped even if you reopen the server, but should g
25 6. Vote result saved in db.sqlite3.vote_app_personalanswer
26 7. Convert to csv file if needed
```



```
README.md
face-vote-system

Requirements

pip install django

1. Insert two Front facial images to compare in each folder: static/front/comp{i}/
2. Left and Right as well
3. Let appropriate number on FRONT_IMG LEFT_IMG RIGHT_IMG in vote_app/views.py (number of
4. Use your own secrets.json (secret key)

How to run

1. Migrate only when you first start this program

python manage.py makemigrations
python manage.py migrate

2. Run server

python manage.py runserver

3. Go to 127.0.0.1:8000/
4. Start voting each pair (1~5) : higher score if you think similar
```

6. DSL Organization

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계획

The screenshot shows the GitHub repository page for 'DataScience-Lab-Yonsei'. The header includes the repository name, location (Korea, South), website (https://dslab.me/), email (dslab.yonsei@gmail.com), and a 'Follow' button. The navigation bar shows 'Overview' as the active tab, with other tabs for Repositories (13), Projects, Packages, Teams, People (54), and Settings. The main content area displays the 'README.md' file, which features the 'DATA SCIENCE LAB' logo and the text '연세대학교 데이터사이언스 학회'. The right sidebar shows the 'View as: Public' dropdown, a 'People' section with a grid of 15 profile pictures, a 'View all' link, an 'Invite someone' button, and a 'Top languages' section listing 'Jupyter Notebook'.

DataScience-Lab-Yonsei
연세대학교 데이터사이언스 학회 DataScience Lab Official Github
Korea, South <https://dslab.me/> dslab.yonsei@gmail.com [Follow](#)

[Overview](#) [Repositories 13](#) [Projects](#) [Packages](#) [Teams](#) [People 54](#) [Settings](#)

README.md

DATA SCIENCE LAB
연세대학교 데이터사이언스 학회

View as: **Public**
You are viewing this page as a public user.

People

[View all](#)

[Invite someone](#)

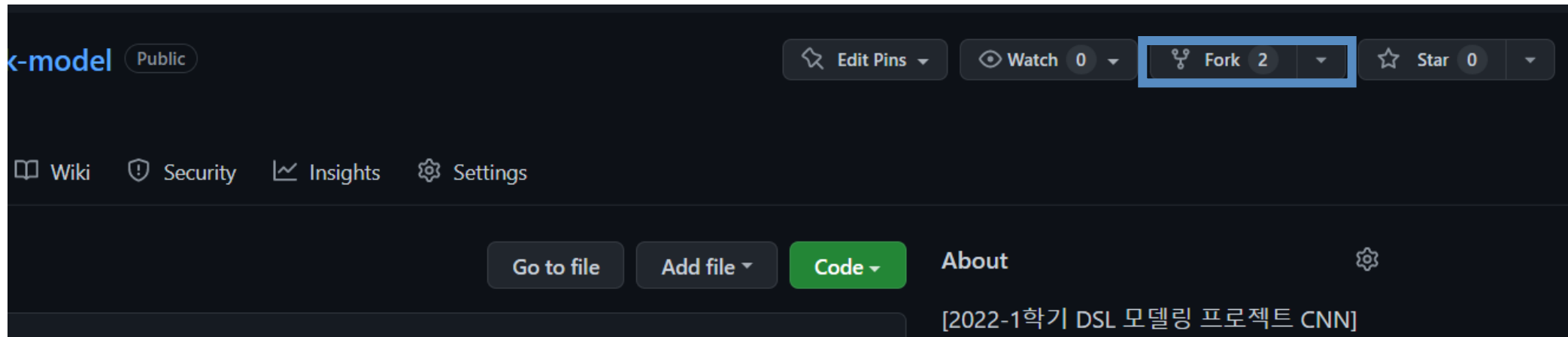
Top languages

Jupyter Notebook

6. DSL Organization

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Fork & Pull Request (PR)

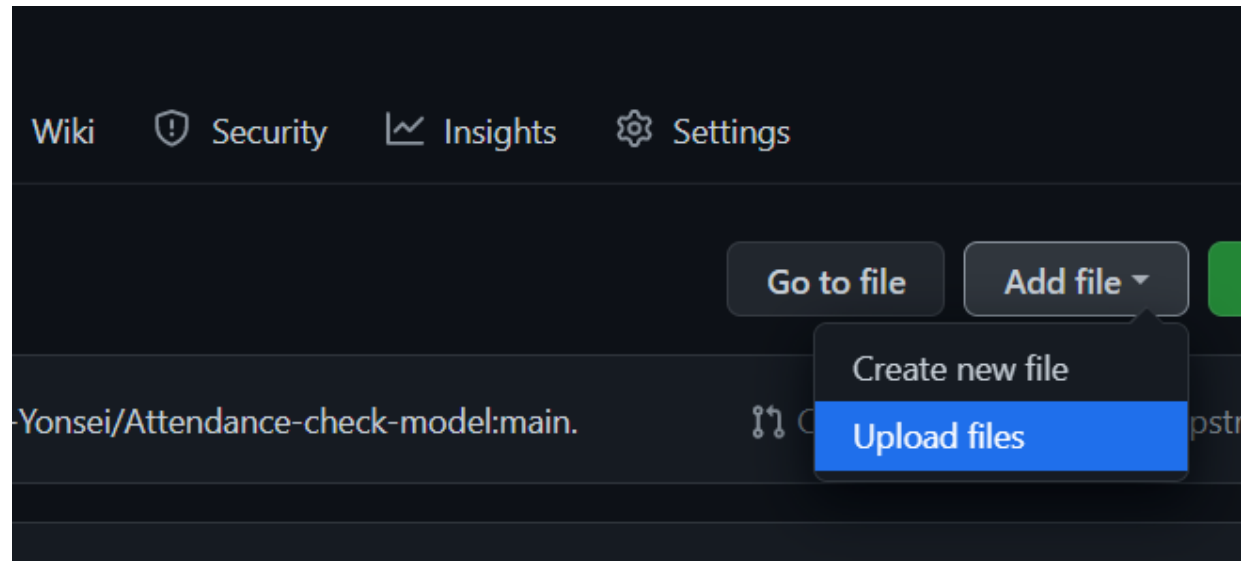


1. Fork : Organization -> Personal Account

6. DSL Organization

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Fork & Pull Request (PR)



2. Upload file (=make commit)
in personal account's forked repo

6. DSL Organization

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Fork & Pull Request (PR)

3. Create PR : compare across forks -> base and head check -> commit to PR check -> create PR

The screenshot displays the GitHub Pull Request interface. At the top, the navigation bar includes 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. The main section is titled 'Comparing changes' with a subtitle: 'Choose two branches to see what's changed or to start a new pull request. If you need to, you can also [compare across forks](#).' Below this, a comparison selector shows 'base repository: DataScience-Lab-Yonsei/Atten...' and 'base: main' on the left, and 'head repository: jeochris/Attendance-check-mo...' and 'compare: main' on the right. A green checkmark indicates 'Able to merge. These branches can be automatically merged.' A large blue box contains the text 'Discuss and review the changes in this comparison with others. [Learn about pull requests](#)' and a green 'Create pull request' button. Below this, a summary bar shows '1 commit', '1 file changed', and '1 contributor'. The commit list shows 'Commits on Jul 9, 2022' with a commit titled 'Add files via upload' by 'jeochris' committed '28 seconds ago'. To the right of the commit is a 'Verified' badge, a copy icon, the commit hash 'ac504d6', and a diff icon. At the bottom, it says 'Showing 1 changed file with 0 additions and 0 deletions.' and has 'Split' and 'Unified' view options.

6. DSL Organization

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Fork & Pull Request (PR)

4. Wait for PR approval

The screenshot displays a GitHub Pull Request (PR) interface. At the top, it says "Add files via upload #1" and "jeochris wants to merge 1 commit into DataScience-Lab-Yonsei:main from jeochris:main". Below this, there are tabs for "Conversation" (0), "Commits" (1), "Checks" (0), and "Files changed" (1). A comment from "jeochris" is shown, stating "No description provided." Below the comment, there is a commit entry "Add files via upload" with a "Verified" badge and the commit hash "ac504d6". At the bottom, a green box contains the following information: "Continuous integration has not been set up" (with a note that GitHub Actions and other apps can be used), "This branch has no conflicts with the base branch" (with a note that merging can be performed automatically), and a "Merge pull request" button. A link to "view command line instructions" is also present.

Add files via upload #1

Open jeochris wants to merge 1 commit into `DataScience-Lab-Yonsei:main` from `jeochris:main`

Conversation 0 Commits 1 Checks 0 Files changed 1

jeochris commented now Member

No description provided.

Add files via upload Verified ac504d6

Add more commits by pushing to the `main` branch on `jeochris/Attendance-check-model`.

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](#).

7. Wrap Up

기타 명령어

- **git cherry-pick**
- **git rebase**
- **git reset**
- **git merge**
- **git fetch**
- **git restore**
- ...

7. Wrap Up

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Mindset

