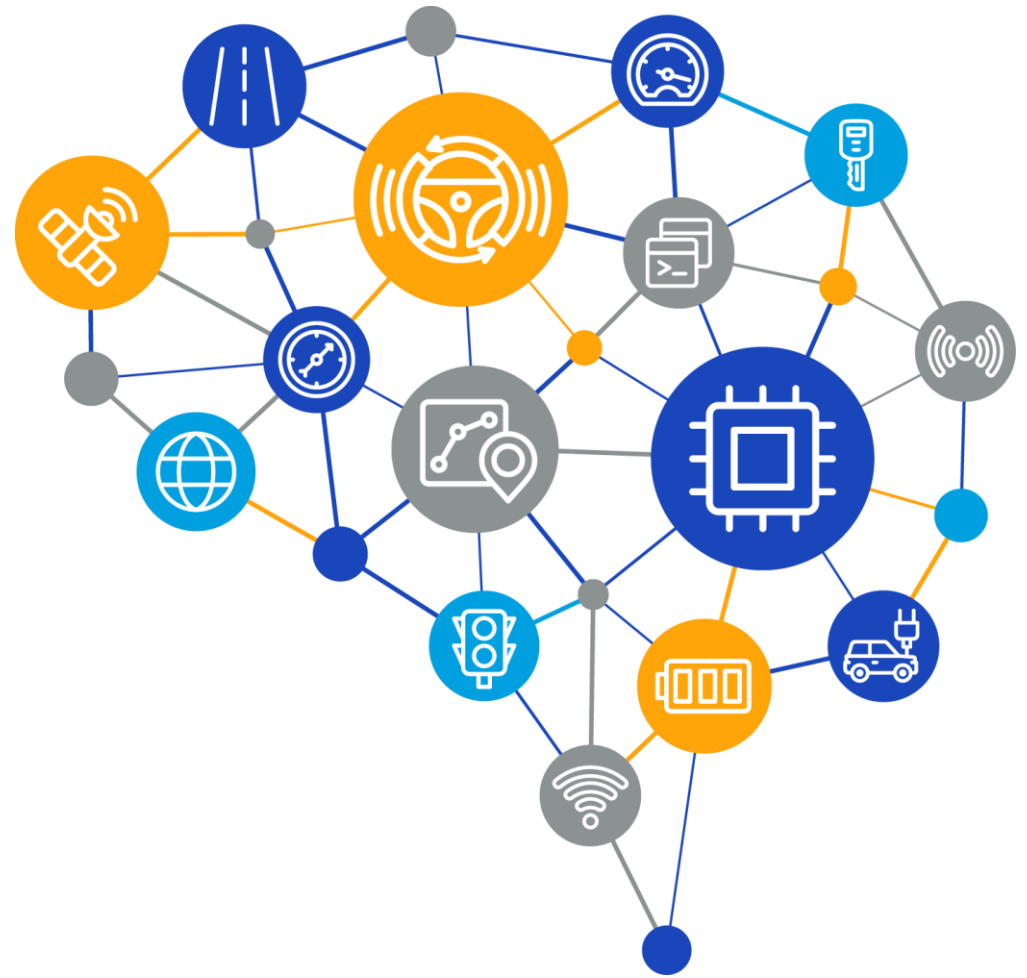


# 깃허브 코드스페이스 연결 메뉴

강환수 교수

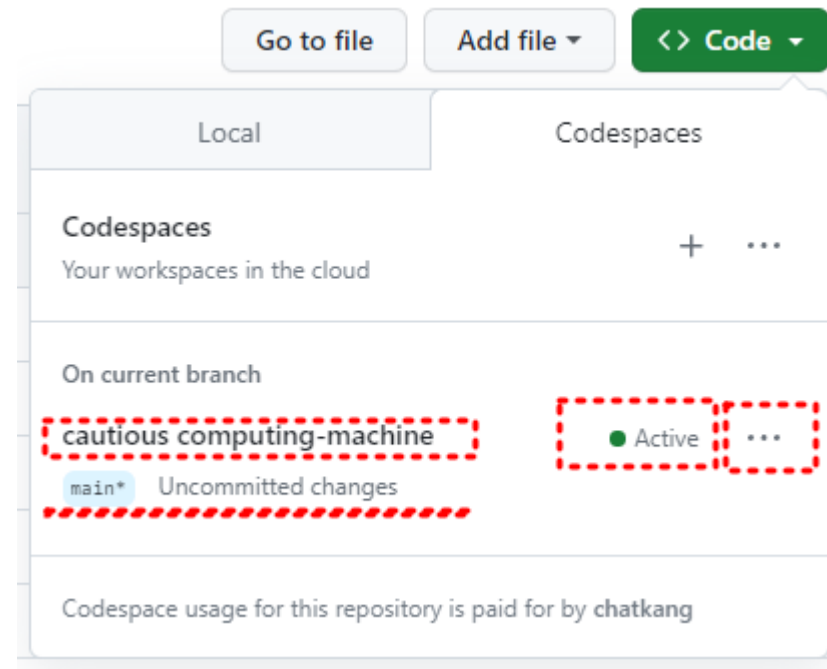


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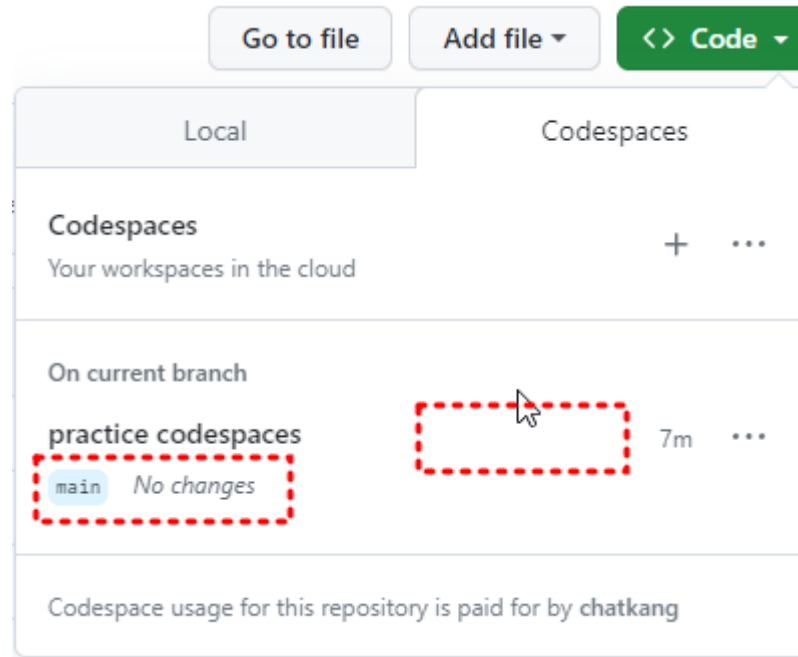
# 01

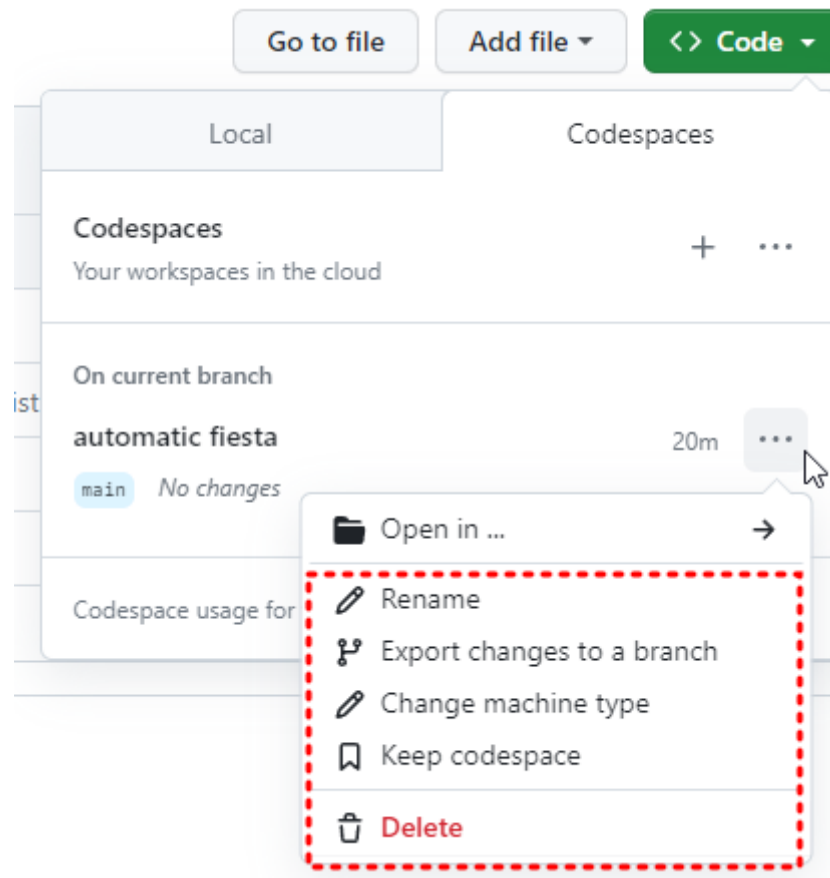
## 코드스페이스 연결 메뉴

- 코드 스페이스 이름
  - 자동으로 생성
    - cautious computing-machine
- 코드 스페이스 상태
  - Uncommitted changes
    - 커밋하지 않은 수정 내용이 있음
      - 코드스페이스 수정 내용이 깃허브에 반영되지 않았음을 의미
- Active
  - 활성화된 상태
    - 실행 중임을 의미
      - Stop 으로 종료
      - 종료되면 표시되는 것이 없음
- 메뉴 ...



- 실행되고 있는 안음을 의미
  - 표시되는 것이 없음





- 코드스페이스 이름 수정
  - practice codespace

github.com 내용:

Change codespace display name to...

automatic fiesta

확인 취소

Go to file Add file <> Code

Local Codespaces

Codespaces  
Your workspaces in the cloud

On current branch

practice codespace 23m

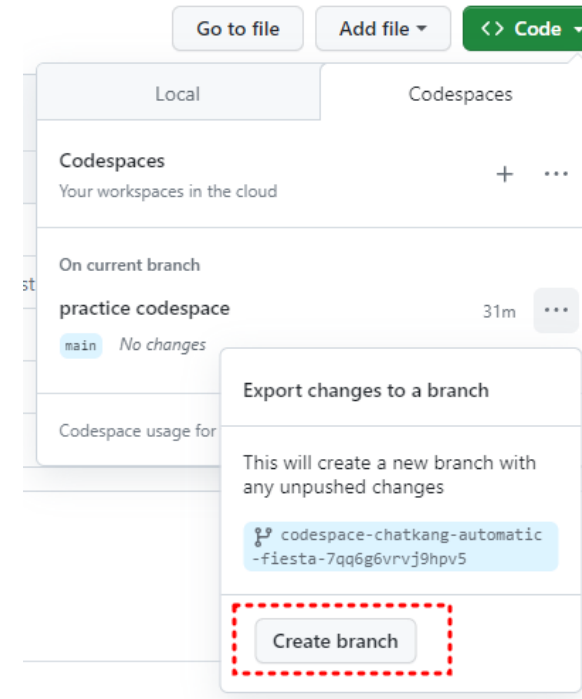
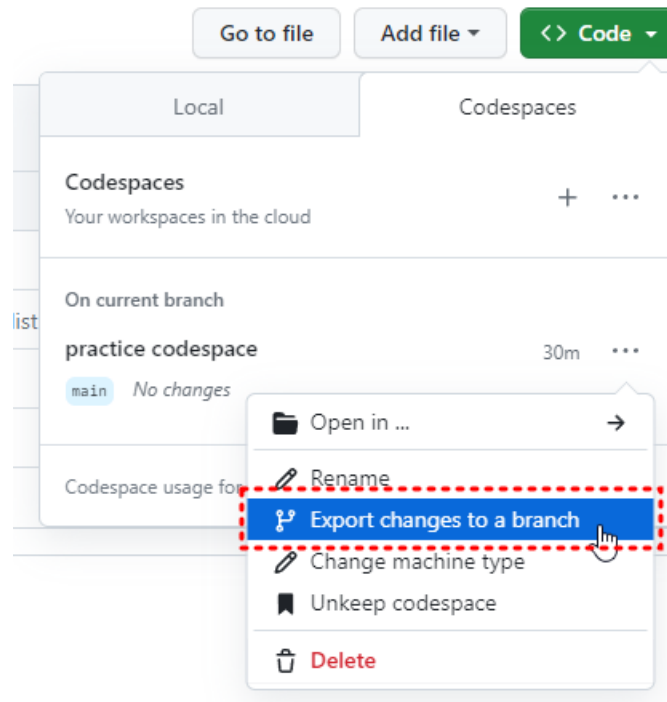
main No changes

Codespace usage for this repository is paid for by chatkang

# Export changes to a branch

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

- 현재 수정 내용을 다른 브랜치로 저장
  - 깃허브에 브랜치가 하나 증가
    - 사용할 사례가 희소



# 새로운 브랜치 생성 확인

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

- 추가된 브랜치

The screenshot shows the GitHub interface for a repository. At the top, a yellow banner indicates that a branch named 'codespace-chatkang-cautious-computing-machine-g99jgj457pq2w7r9' has been created and has recent pushes 12 minutes ago. A green button labeled 'Compare & pull request' is visible. Below this, the 'main' branch is selected, and a dropdown menu shows '2 branches' and '0 tags'. A 'Switch branches/tags' dialog is open, showing a search bar and a list of branches. The 'main' branch is marked as 'default'. The newly created branch 'codespace-chatkang-cautious-computing-...' is listed below it, with a red dashed box highlighting its name. A 'View all branches' link is at the bottom of the list. To the right, a 'Protect this branch' button is visible. Below the branch list, a commit history table is shown with columns for commit hash, time, and commit count.

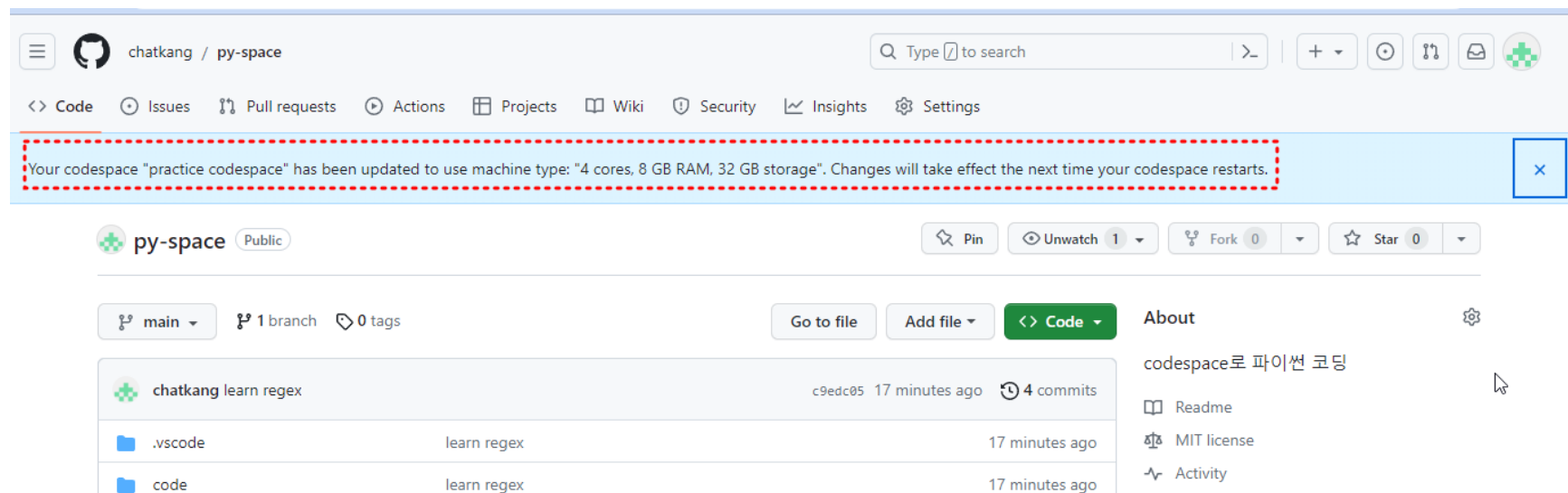
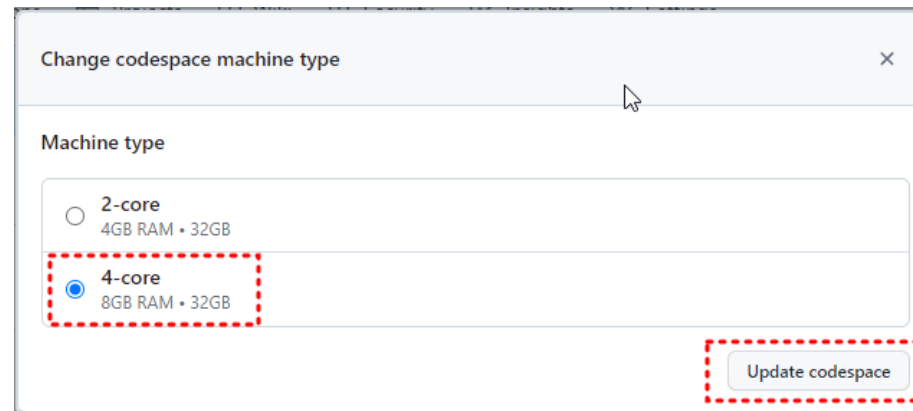
Commit Hash	Time	Commit Count
188bb37	1 hour ago	2 commits
Initial commit	1 hour ago	
Initial commit	1 hour ago	



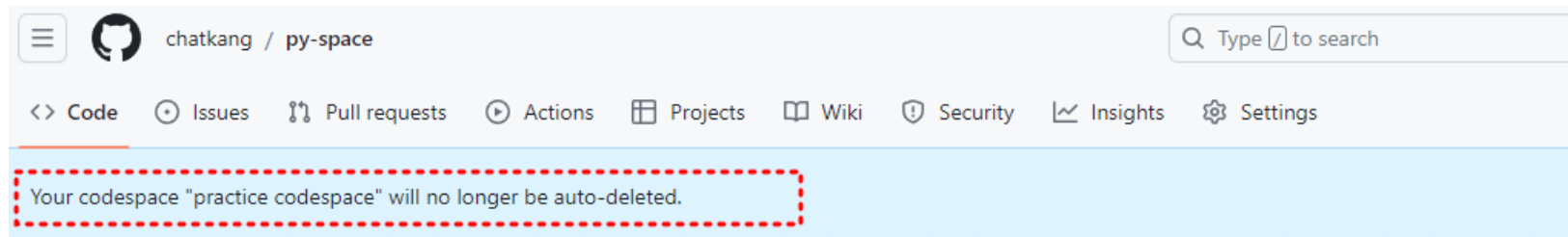
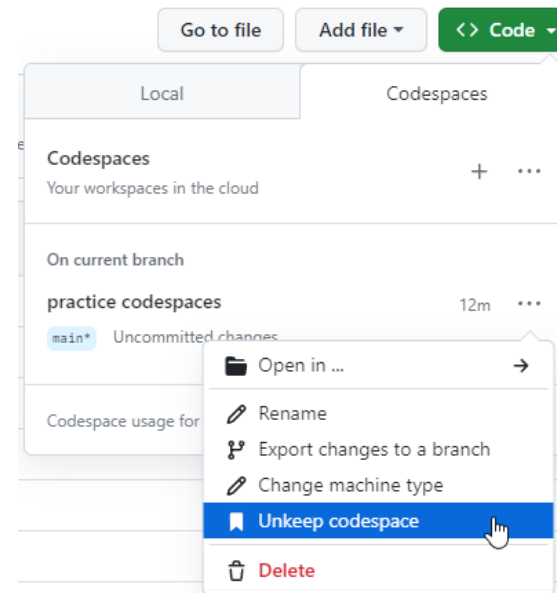
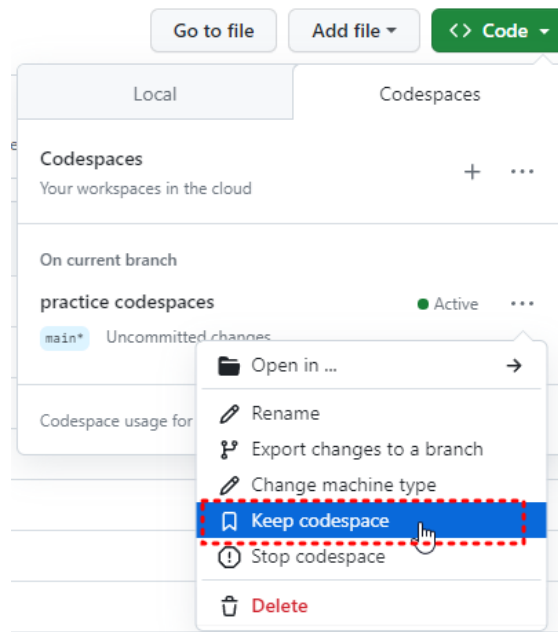
# Change machine type

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

- 하드웨어 유형 수정

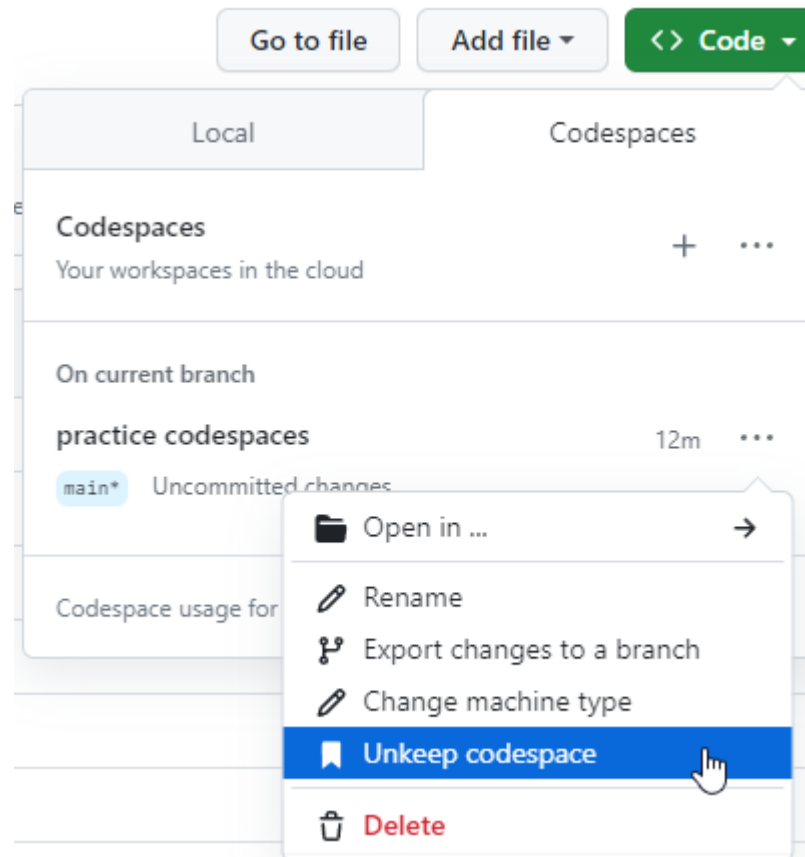


- 계속 유지하여 자동 삭제되지 않도록
  - 하지 않으면 셋다운(코드스페이스 종료) 후 1개월 후 자동 삭제
    - Unkeep으로 메뉴가 바뀜
      - Unkeep codespace 토글



- 셋다운(코드스페이스 종료) 후 1개월 후 자동 삭제

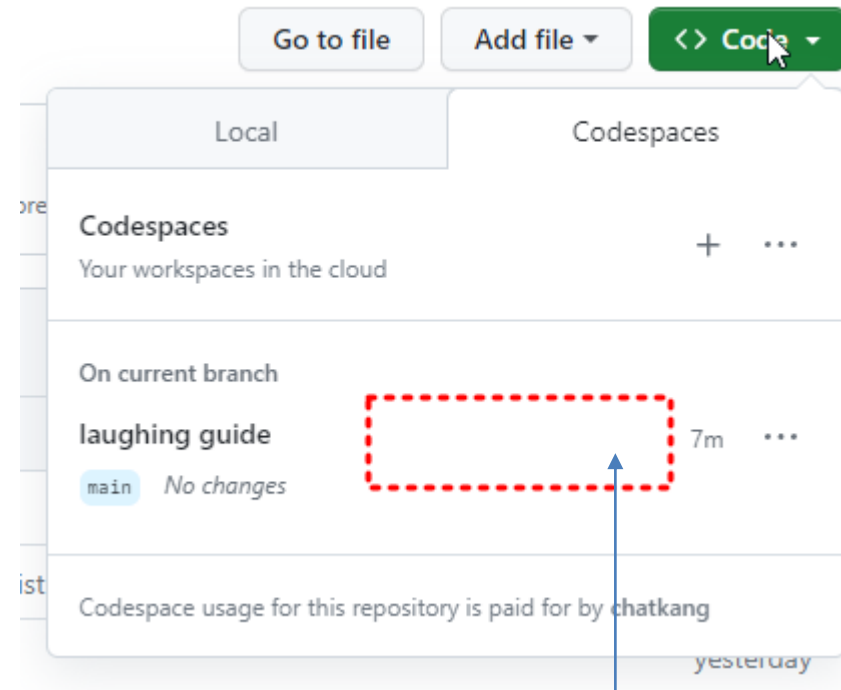
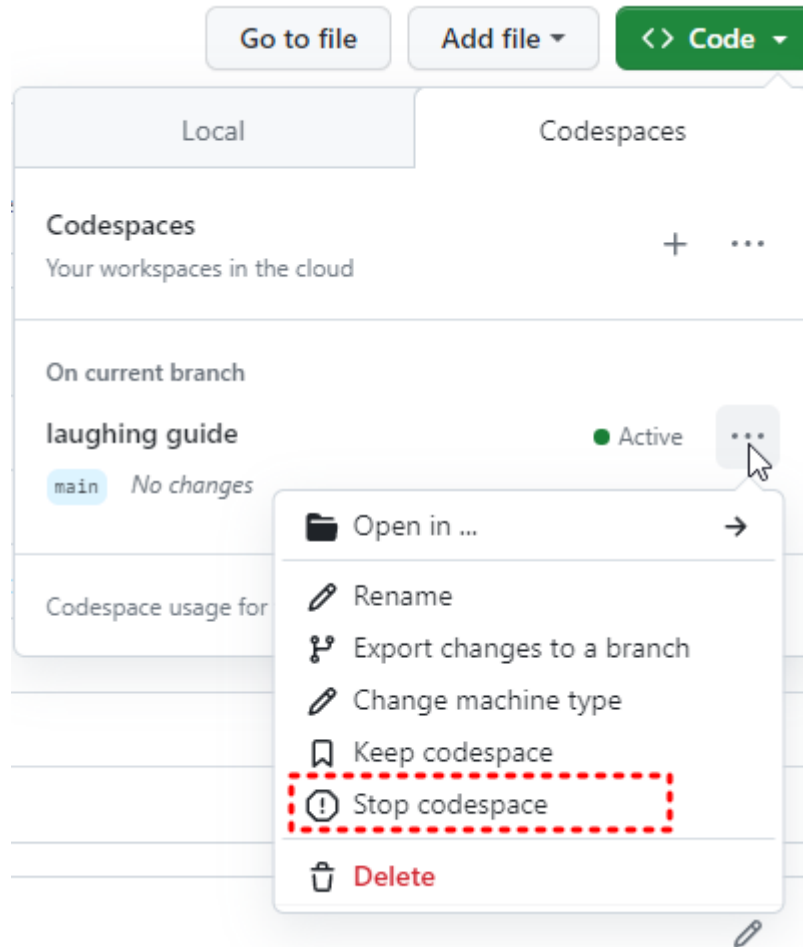
Your codespace "practice codespaces" will be deleted after it has been shutdown for 1 month.



# Stop Codespace

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

- 코드스페이스 종료
  - Active가 사라짐
    - 이미 실행 중인 브라우저에서 Stopped 표시
    - Restart codespace로 다시 실행 가능



- 브라우저에서

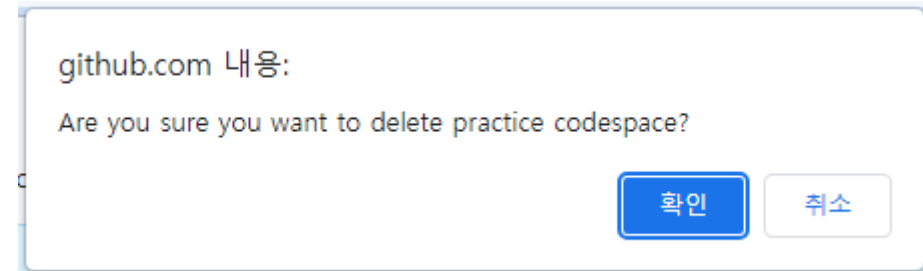
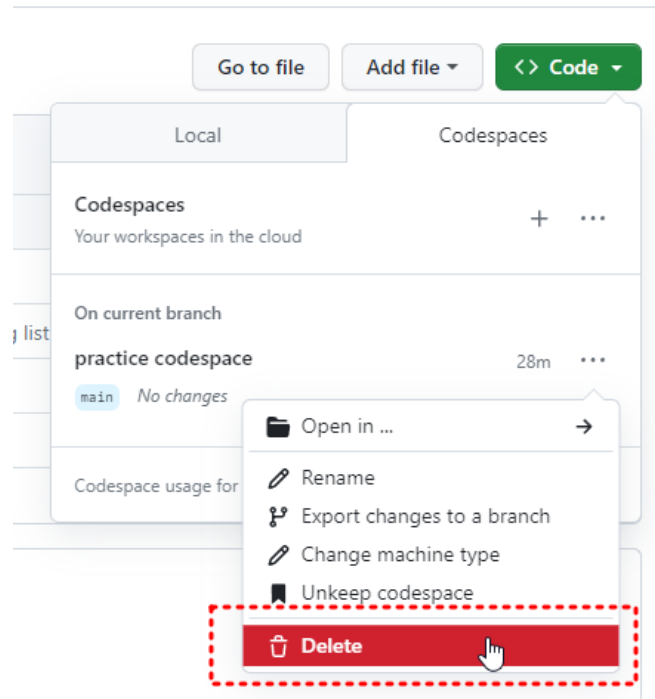


Codespace is stopped



## • 코드스페이스 제거

- 깃허브 저장소에 모두 push가 되었다면 제거해도 무난
- 무료 사용자는 사용할 수 있는 코드스페이스 수에 제한이 있으므로 필요없는 것은 삭제



Codespace "practice codespace" deleted.

다시 생성하면 OK

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

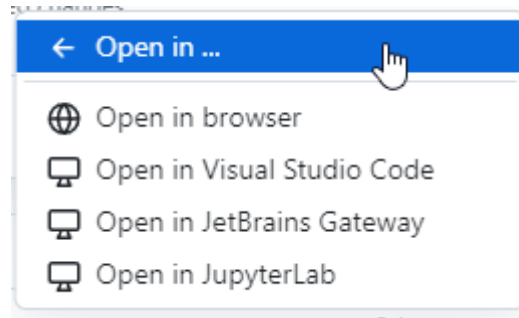
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The Future

## 02

### 코드 스페이스 열기 방식



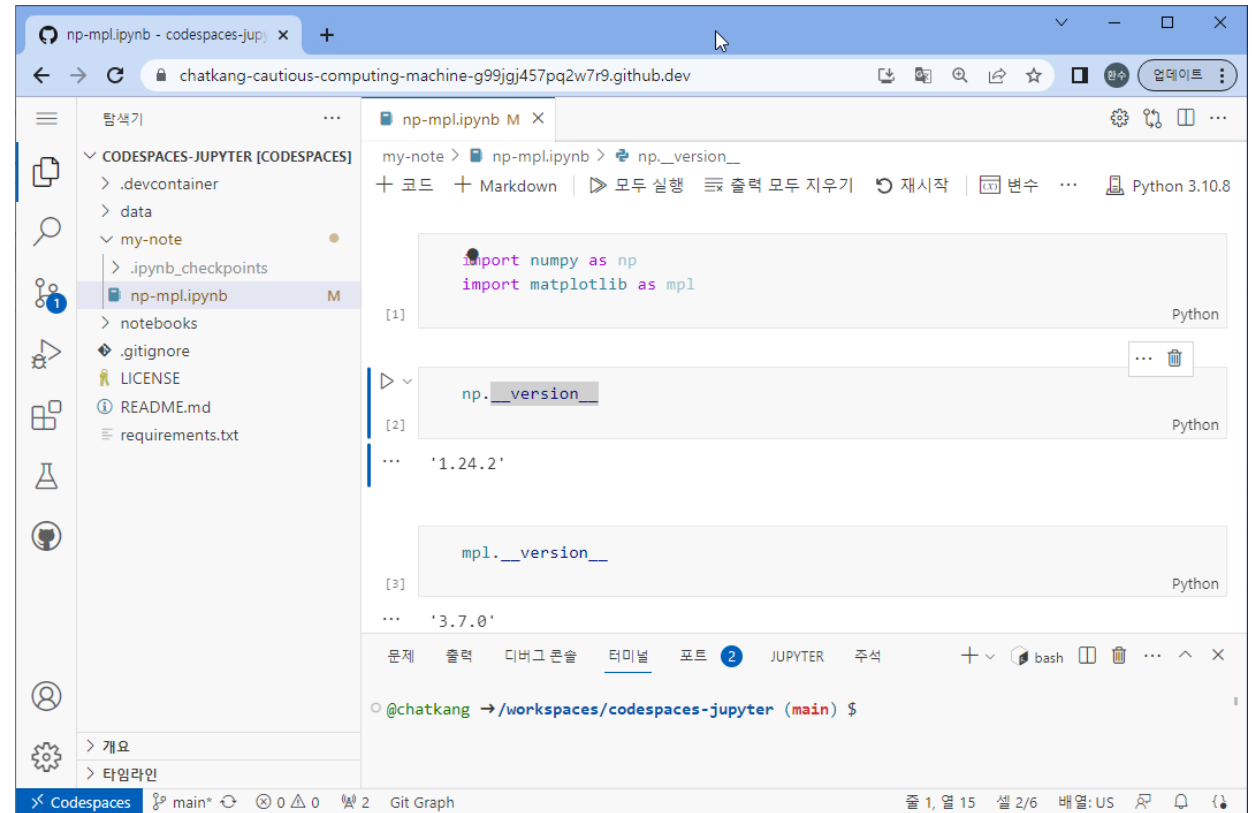
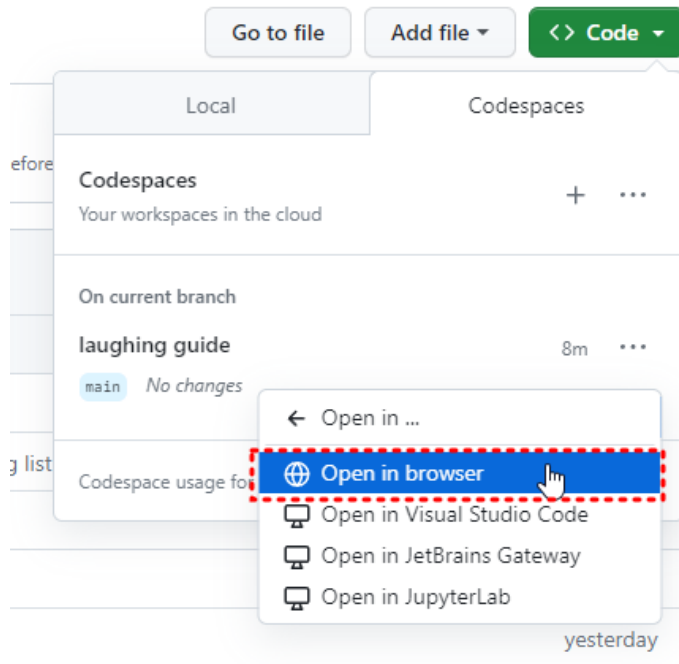
- 메뉴 Open in ... ->
  - Open in browser
  - Open Visual Studio Code
  - Open in JetBrains Gateway
  - Open in JupyterLab



# Open in browser

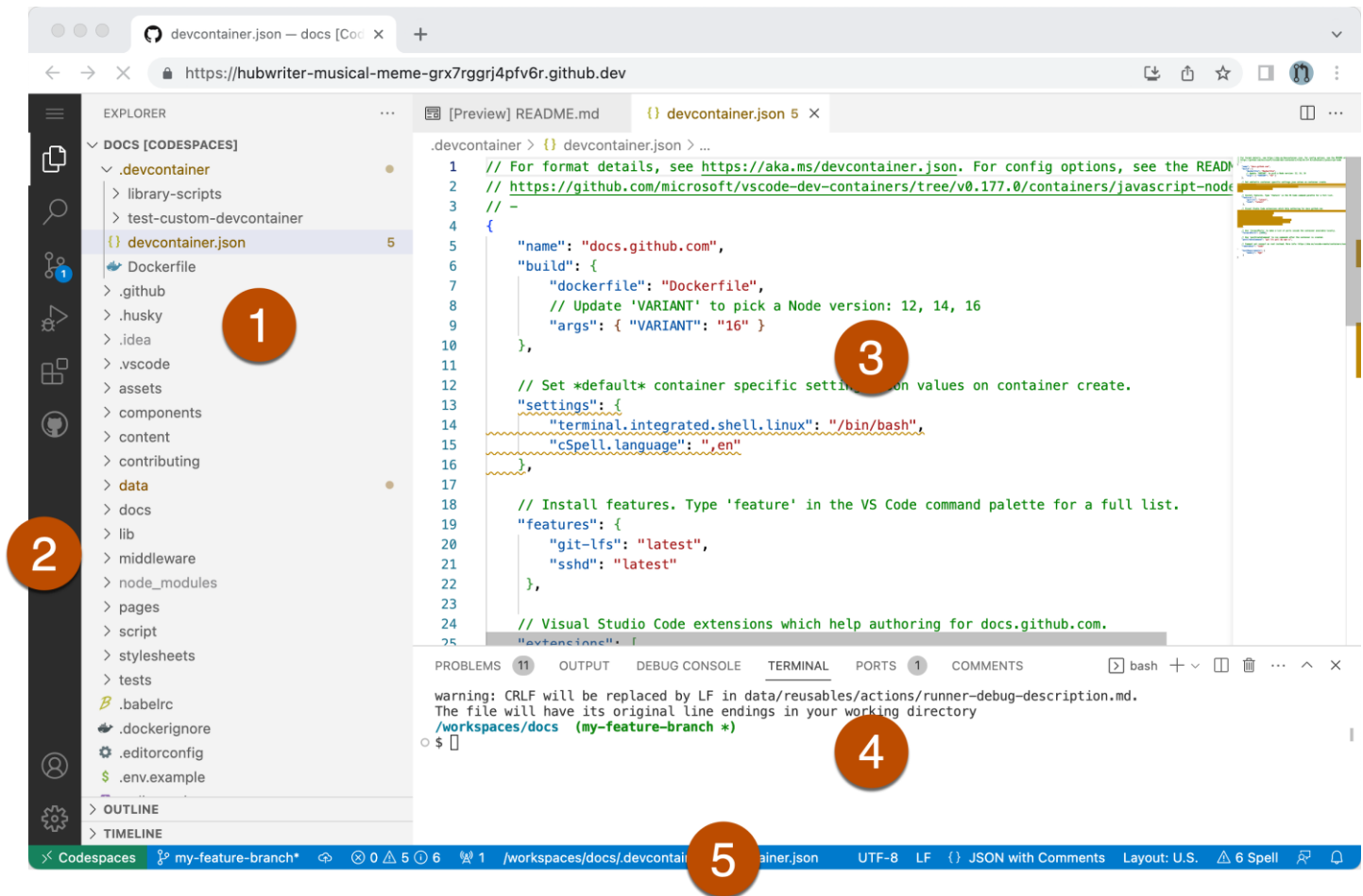
오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

- 활성화된 것을 열기

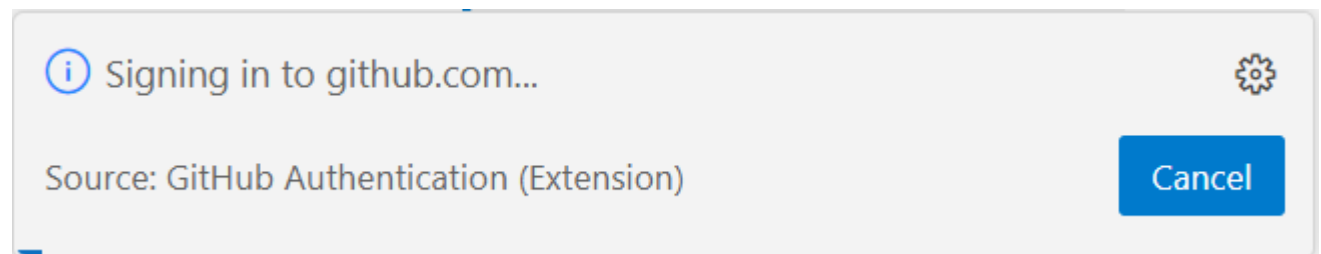
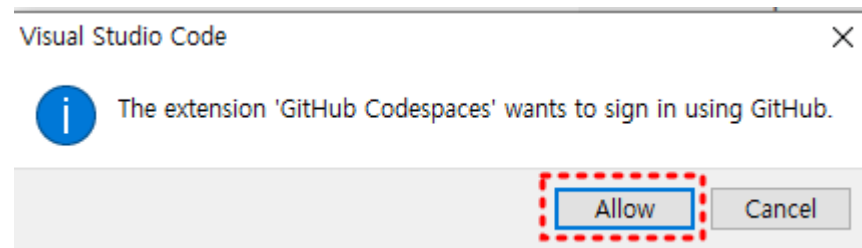
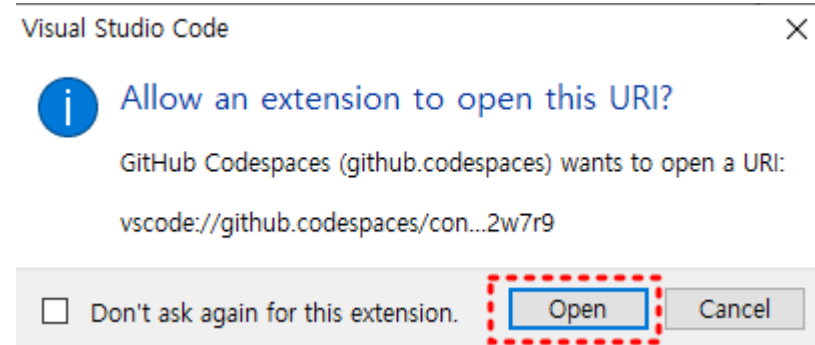
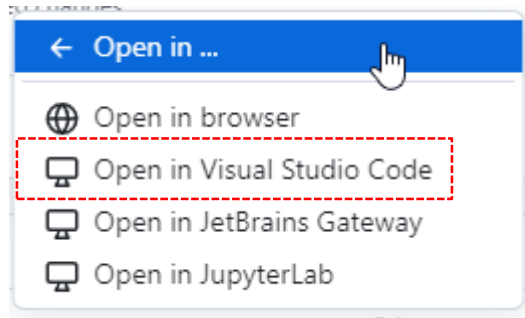


- A browser-based version of Visual Studio Code.

- 1. side bar
- 2. activity bar
- 3. editor
- 4. panel, terminal
- 5. status bar



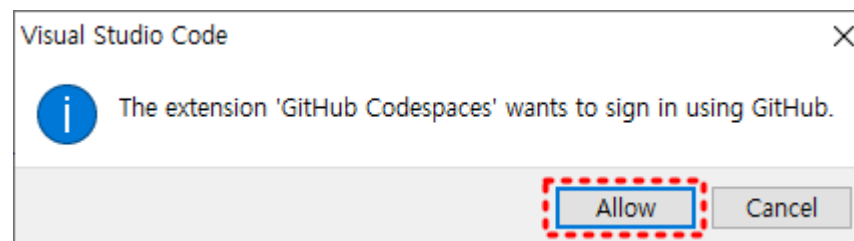
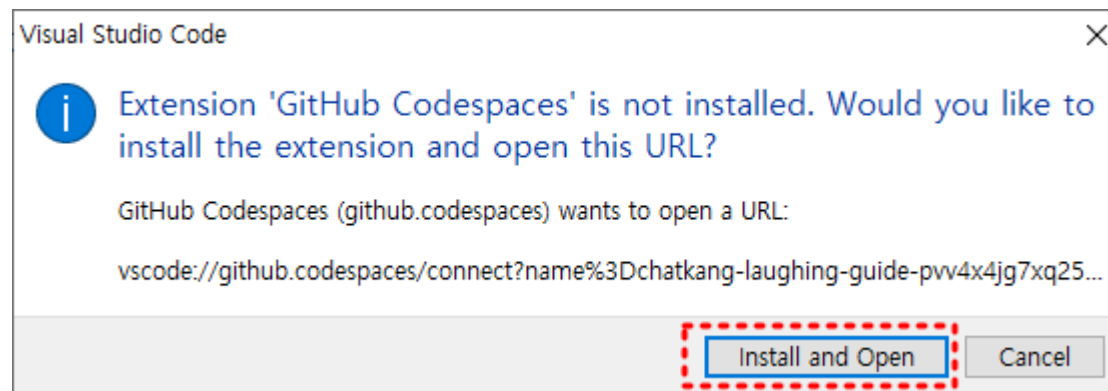
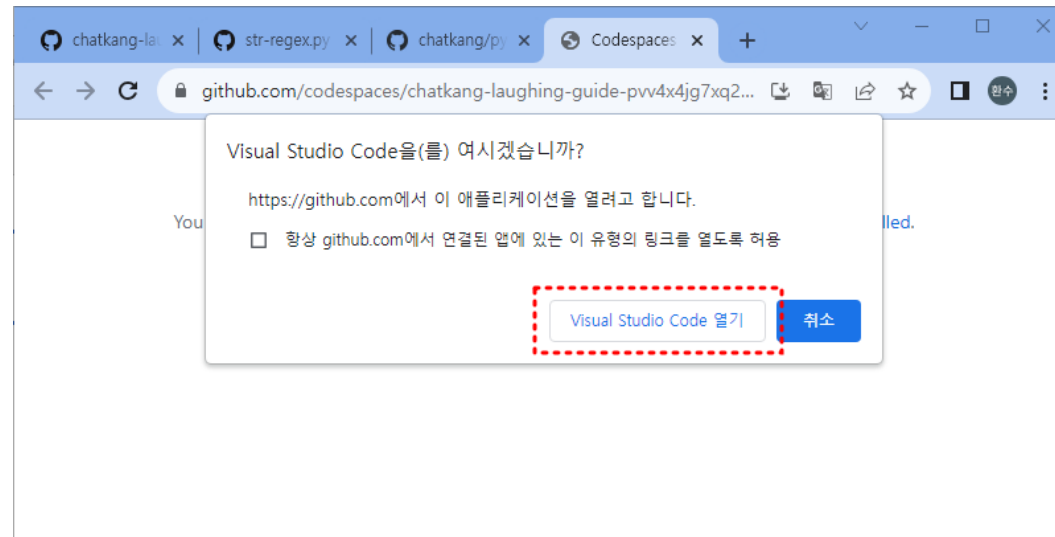
- Open in Visual Studio Code
  - 확장 Github codespaces 설치 필요
    - 인증 필요
    - 깃허브 로그인 후 시도
    - 이전에 다른 로그인 이 있었다면
      - 자격 증명 관리자에서 vs code 삭제
  - 인증이 잘 안되면
    - 확장에서 적절한 메뉴 활용

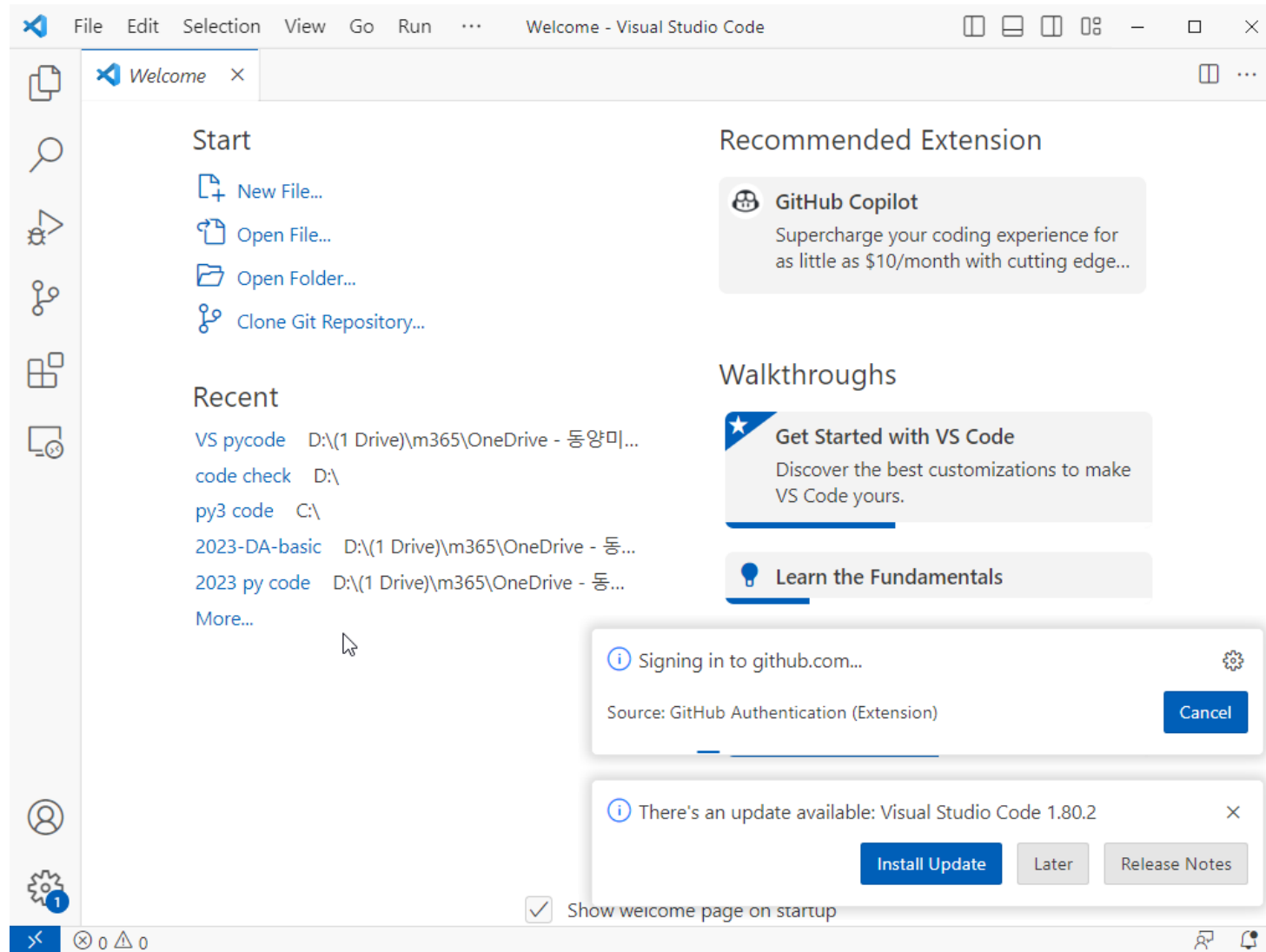


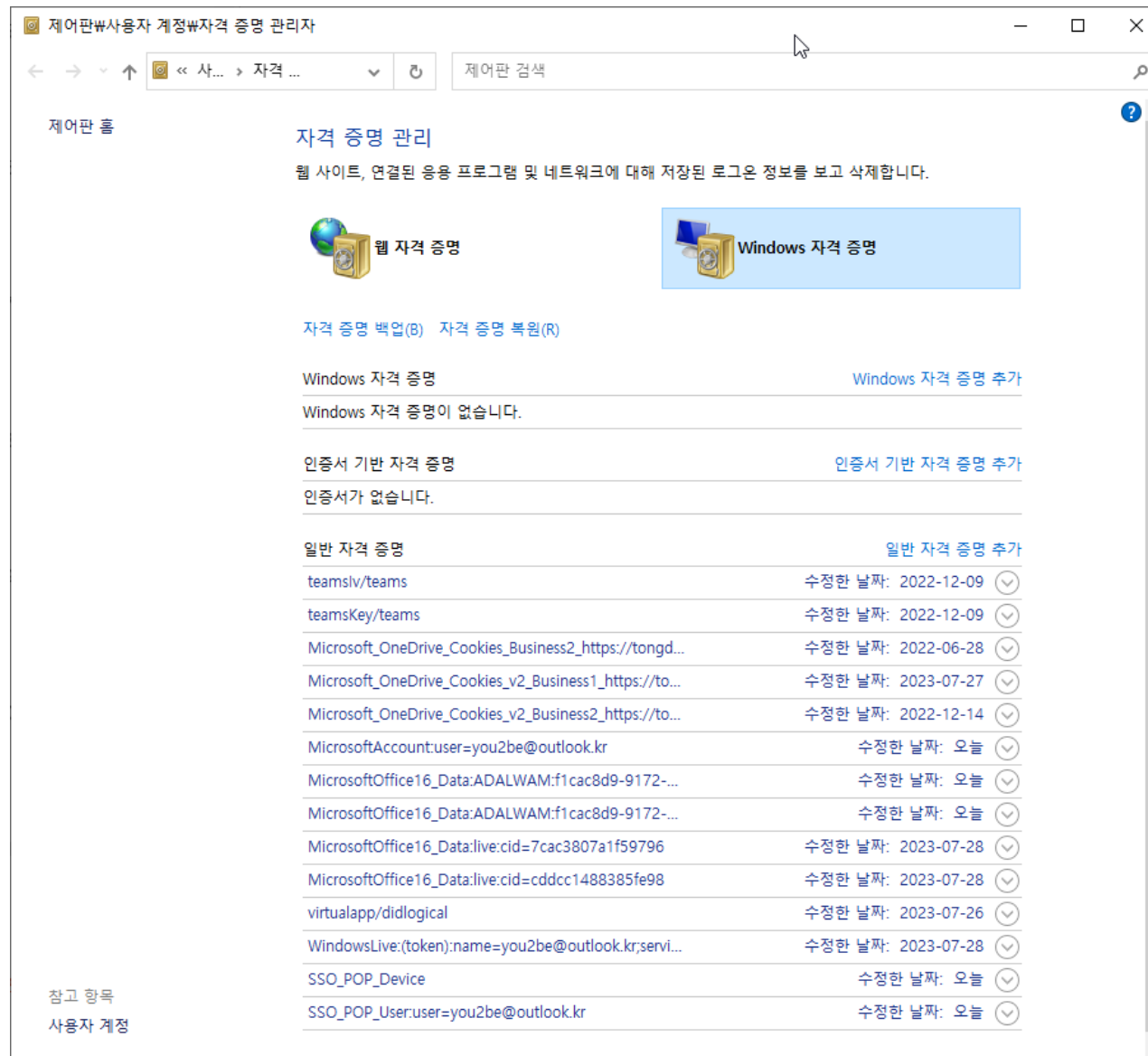
# Open in Visual Studio Code

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

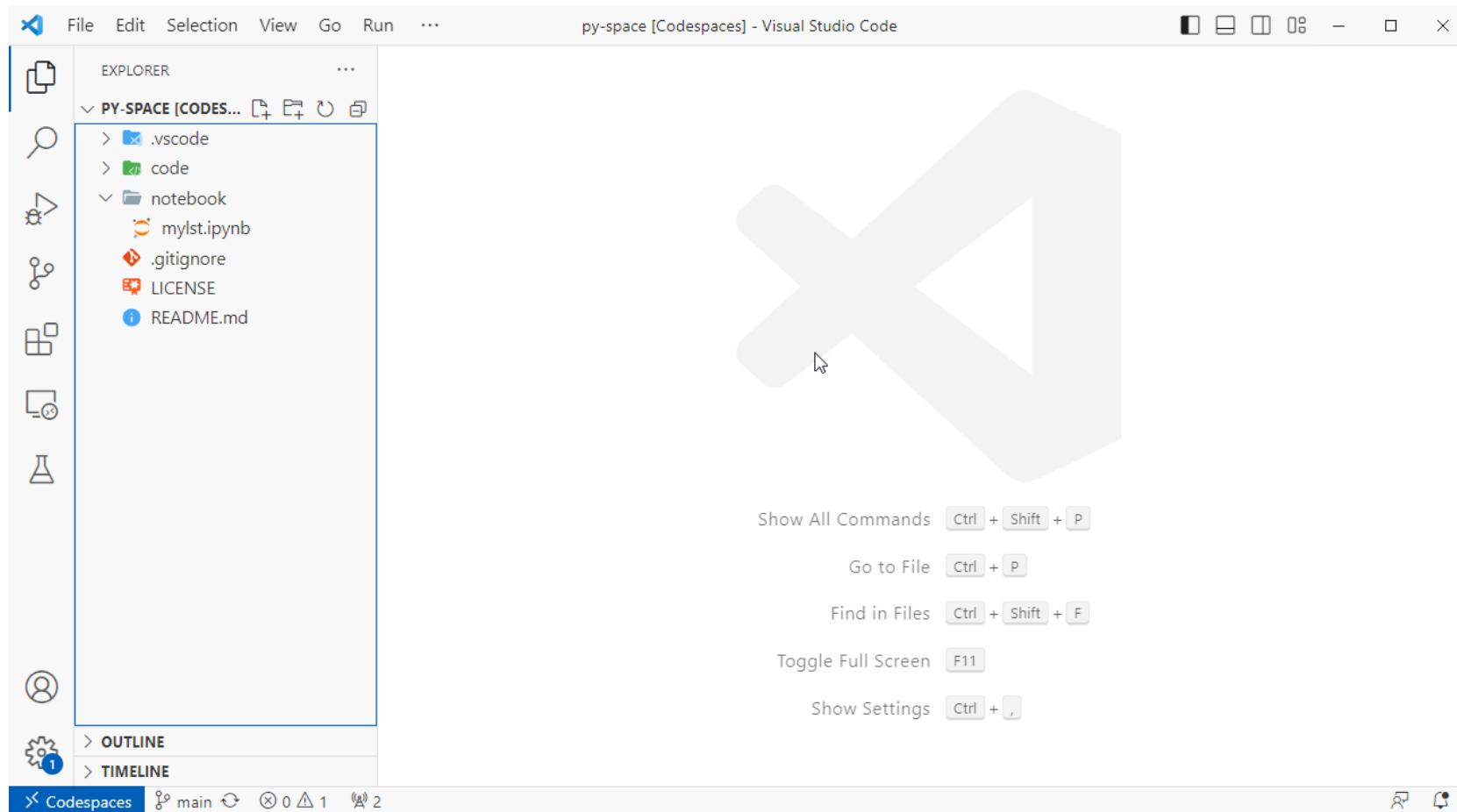
- 클라이언트에 설치된 vs code에서 원격 코드스페이스 실행





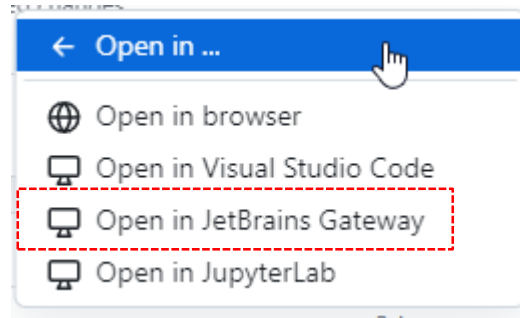


- 접속이 안되면
  - Cancel
- 성공 하면





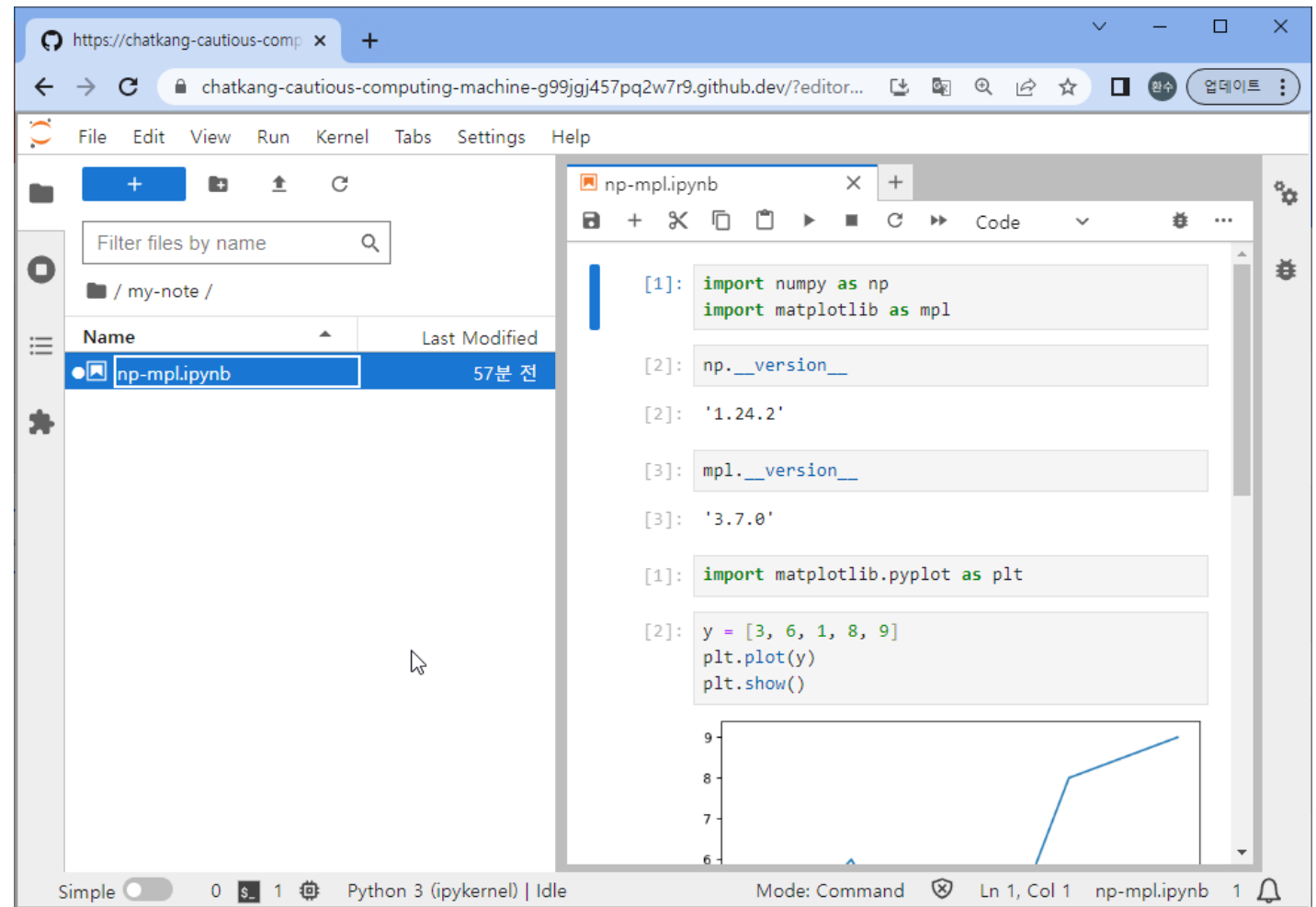
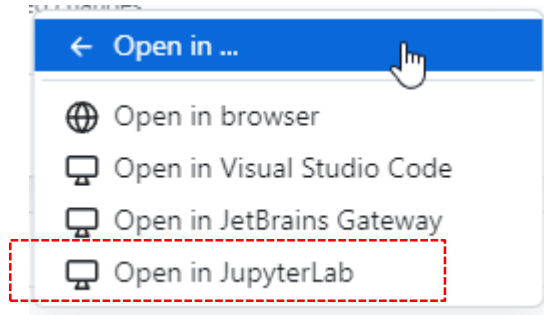
- Open in JetBrains Gateway



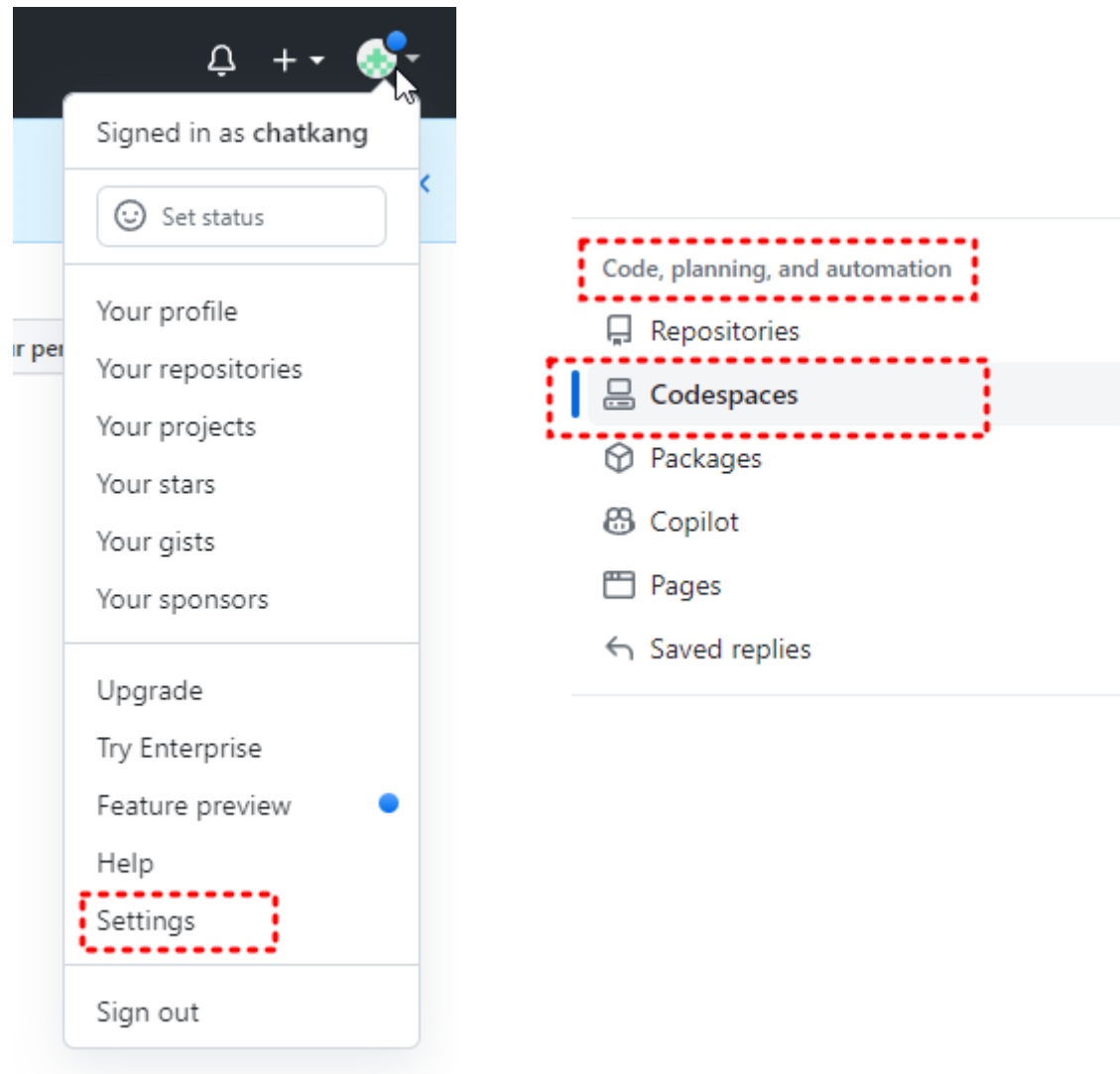
# 브라우저에서 jupyterLab으로 열기

오픈소스 소프트웨어를 위한 깃과 깃허브 Python language

- Open in JupyterLab



- 코드스페이스 설정 메뉴
  - 프로필 메뉴 settings
    - 메뉴 code, planning, and automation | codespaces



## Editor preference

☐ **Visual Studio Code**

Connect to the cloud from your local desktop client. Requires [Visual Studio Code](#) with the [GitHub Codespaces](#) extension.

☒ **Visual Studio Code for the Web**

Edit and preview changes straight from the browser.

☐ **JetBrains Gateway**

Connect to the cloud from your local desktop client. Requires the [JetBrains Gateway](#) with the [GitHub Codespaces](#) plugin, and a JetBrains license.

☐ **JupyterLab**

Edit and run notebooks from the browser with JupyterLab.

## Default idle timeout

A codespace will suspend after a period of inactivity. You can specify a default idle timeout value, which will apply to all codespaces created after the default is changed. You will be charged for the entire time your codespace is running, even if it is idle. The maximum value is 240 minutes (4 hours).

20 minutes

## Default retention period

Inactive codespaces are automatically deleted 30 days after the last time they were stopped. A shorter retention period can be set, and will apply to all codespaces created going forward. The default and maximum value is 30 days. [Learn more](#)

30 days