

Football Analytics Camp
2025 Winter

나는 데이터로 축구한다



School of Applied Artificial Intelligence | 전재영
Winning Twelve

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2. Windows에 설치하기 
3. 프로그래밍 환경 설정하기
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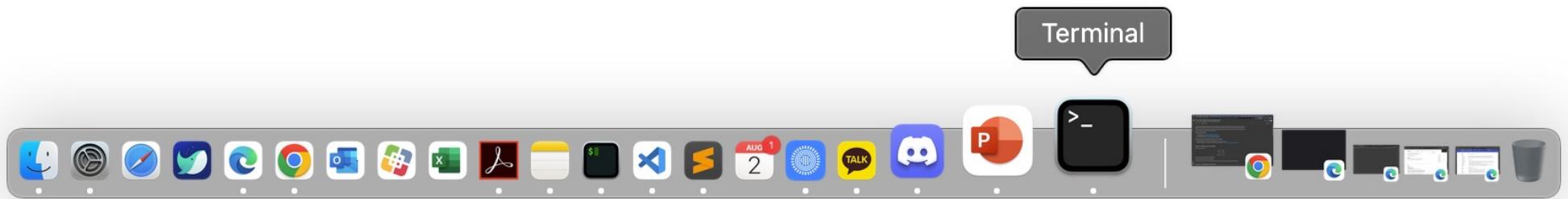


Mac에 Miniconda 설치하기

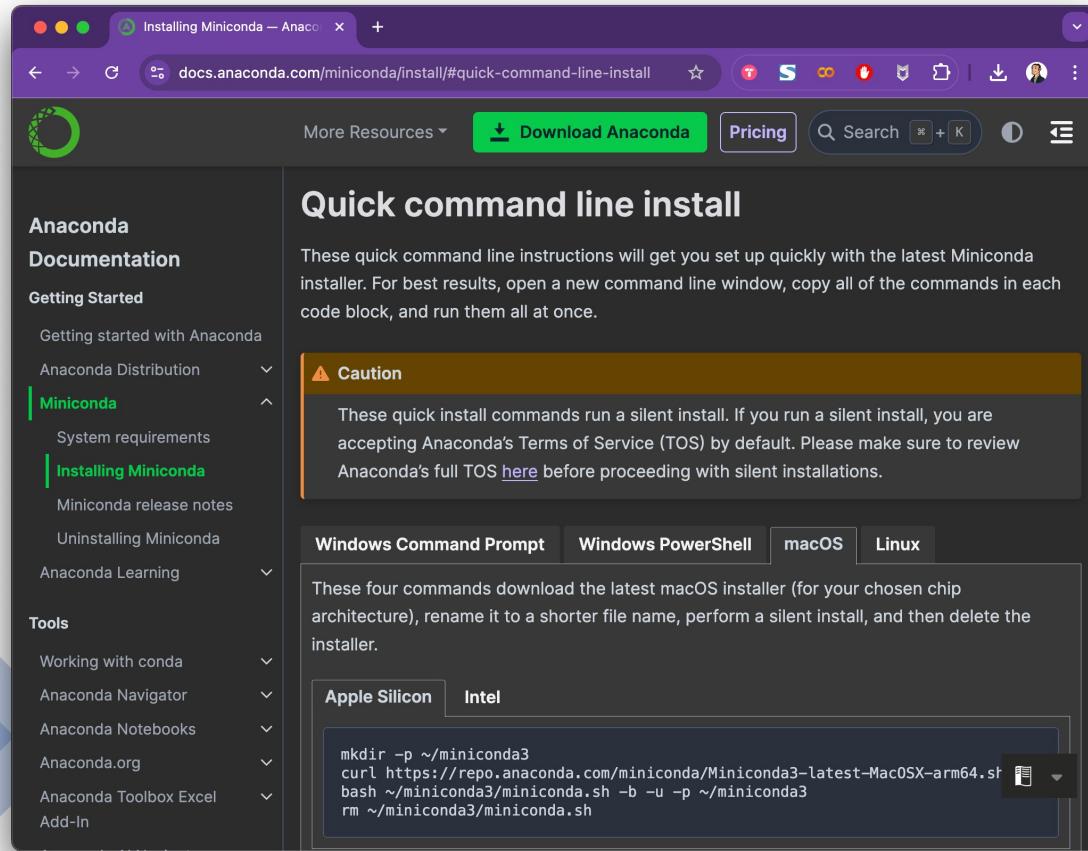
Jaeyoung Chun

Mac / Terminal 사용해제 설치

1 Terminal(터미널) 앱 실행



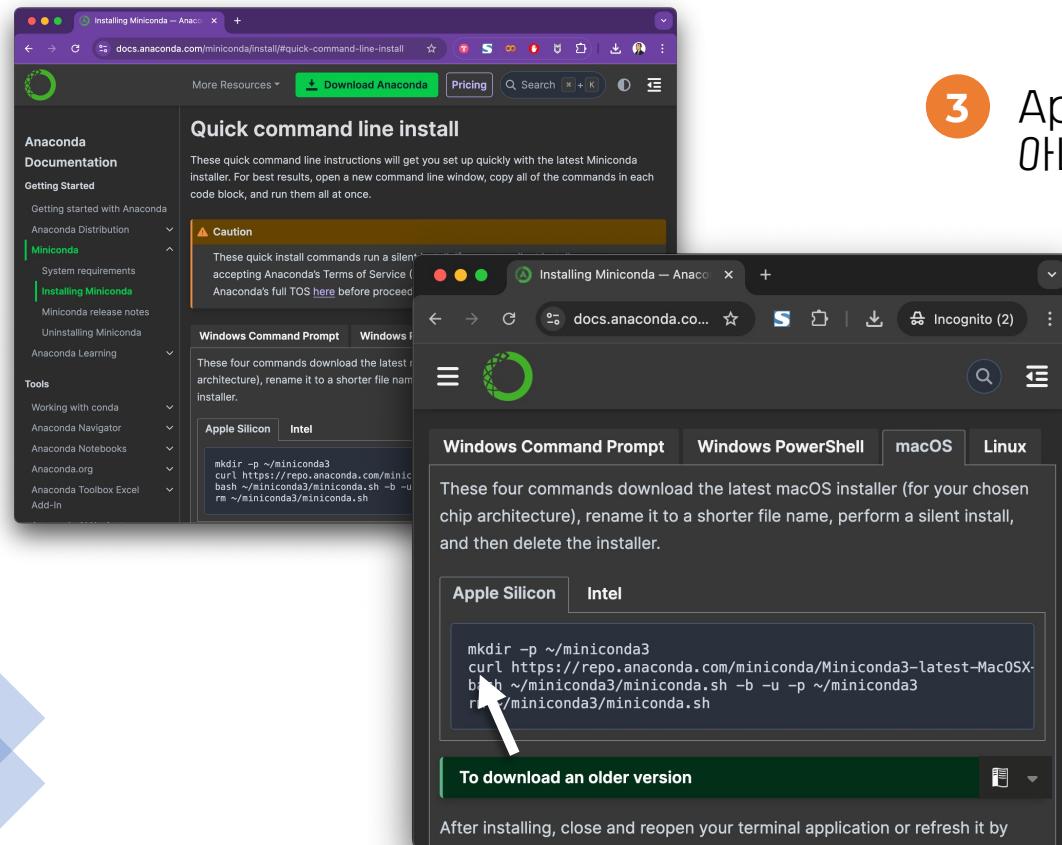
Mac / Terminal 사용해서 설치



2 Miniconda 설치 설명 웹페이지 접속

<https://docs.anaconda.com/miniconda/install/#quick-command-line-install>

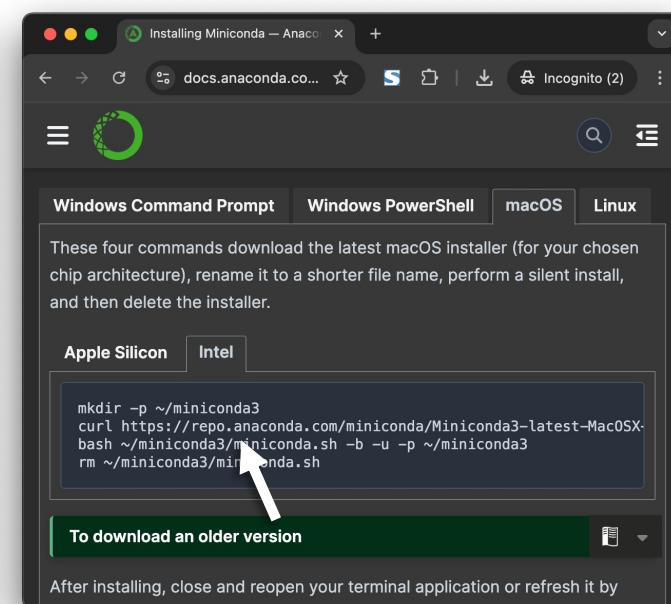
Mac / Terminal 사용해서 설치



Apple Silicon (M1, M2, M3)

3

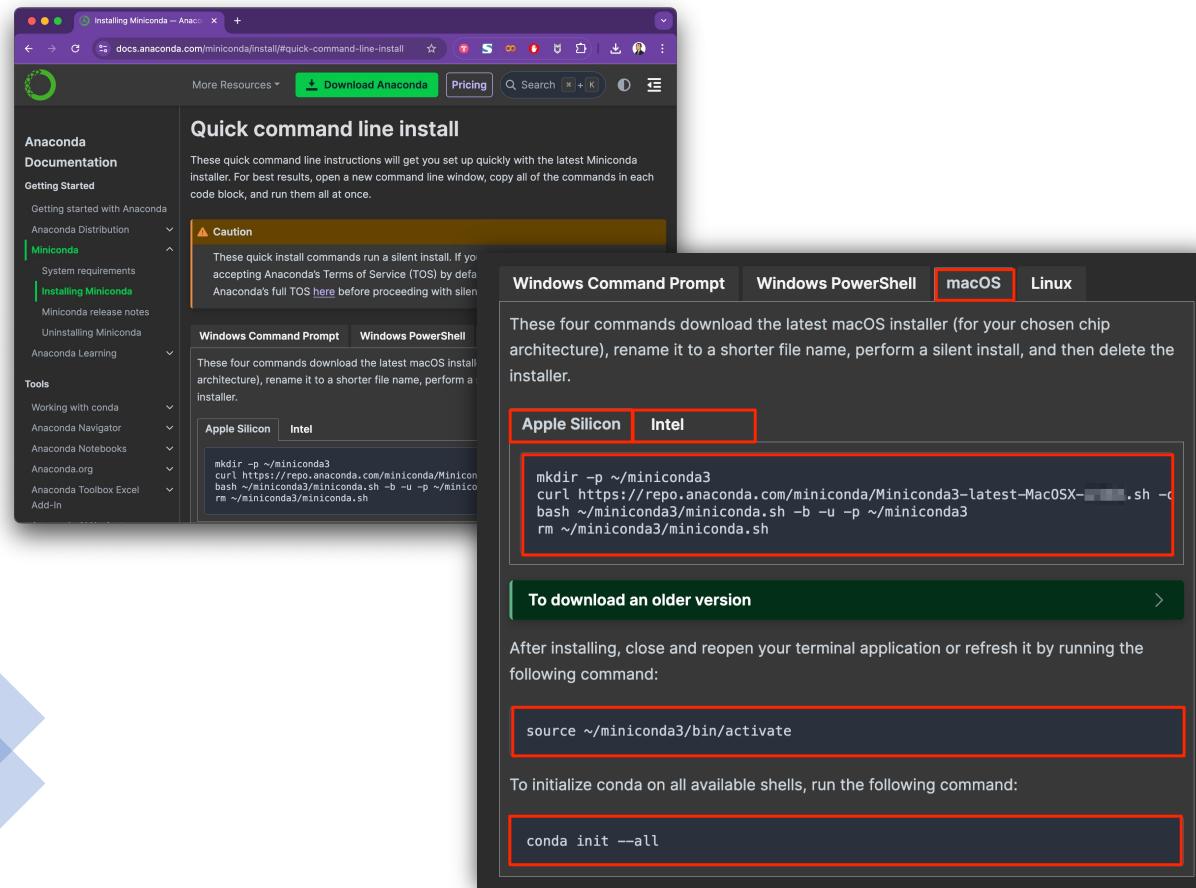
Apple Silicon (M1, M2, M3) 인지
아니면 옛날 Intel 기반인지 선택



Intel

Jaeyoung Chun

Mac / Terminal 사용해서 설치



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웹 페이지에서 알려주는 명령어를 Terminal에 입력해서 실행

Jaeyoung Chun

Miniconda 설치 확인



5 Terminal(터미널) 앱 실행

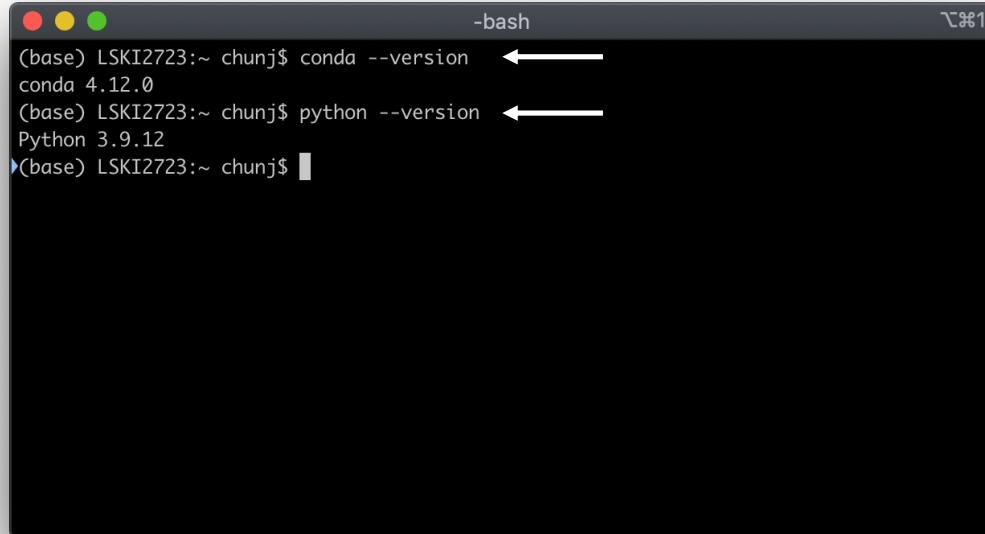


6

프롬프트에 (base) 라고 나오는지 확인

```
(base) LSKI2723:~ chunj$ conda --version  
conda 4.12.0  
(base) LSKI2723:~ chunj$ python --version  
Python 3.9.12  
(base) LSKI2723:~ chunj$
```

Miniconda 설치 확인



```
-bash
(base) LSKI2723:~ chunj$ conda --version
conda 4.12.0
(base) LSKI2723:~ chunj$ python --version
Python 3.9.12
(base) LSKI2723:~ chunj$
```

출력되는 버전 정보는 약간 다를 수 있음

2024년 7월 9일자로 Python 최신 버전은 v3.12.4
Conda 최신 버전은 v24.5.0

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다음 명령어를 실행해서 Conda와 Python이 제대로 설치되어 있는지 확인

`conda --version`
`python --version`

(*) 만약 열려있는 Terminal App이 있으면 다 닫은 후,
새로 Terminal App을 실행한 후, 명령어 입력

- 방법 1 : PowerShell 이용
- 방법 2 : Command Prompt 이용

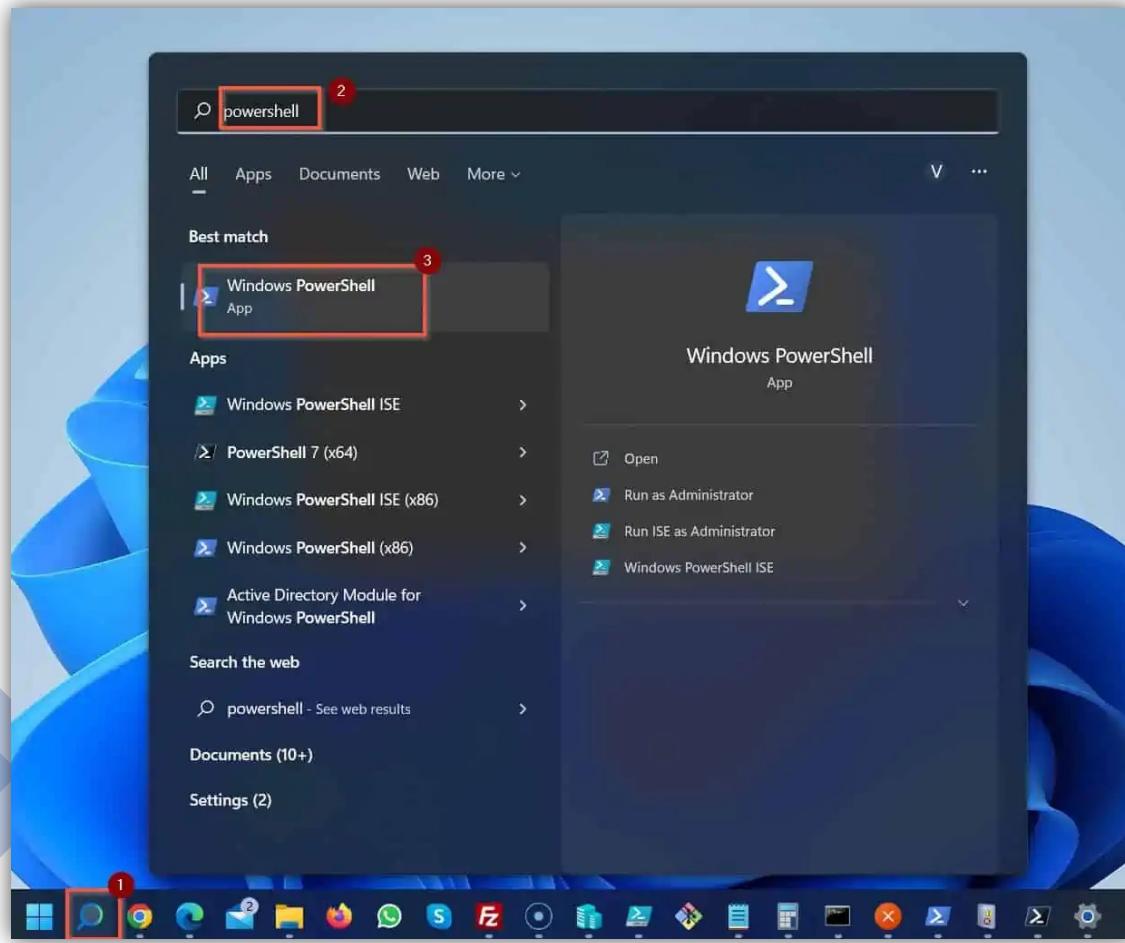


Windows에 Miniconda 설치하기

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방법 1

Windows / PowerShell 사용해서 설치

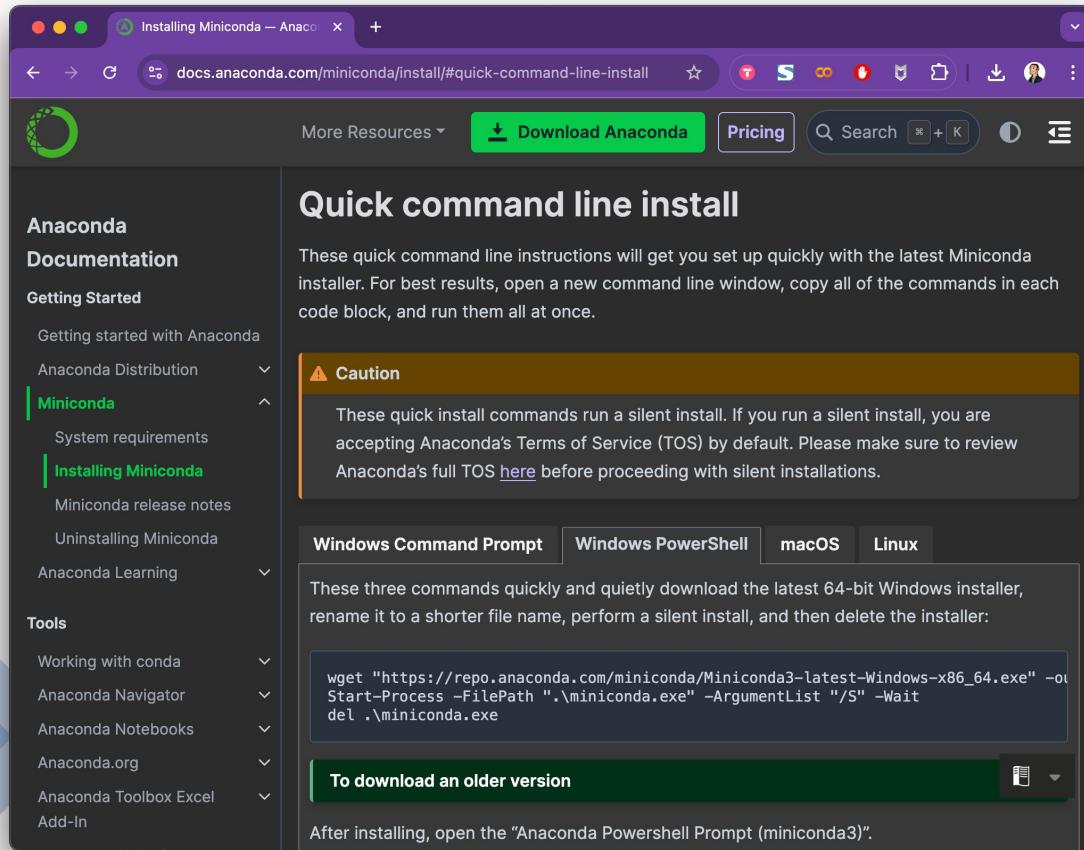


1 PowerShell 앱 실행

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방법 1

Windows / PowerShell 사용해서 설치



2

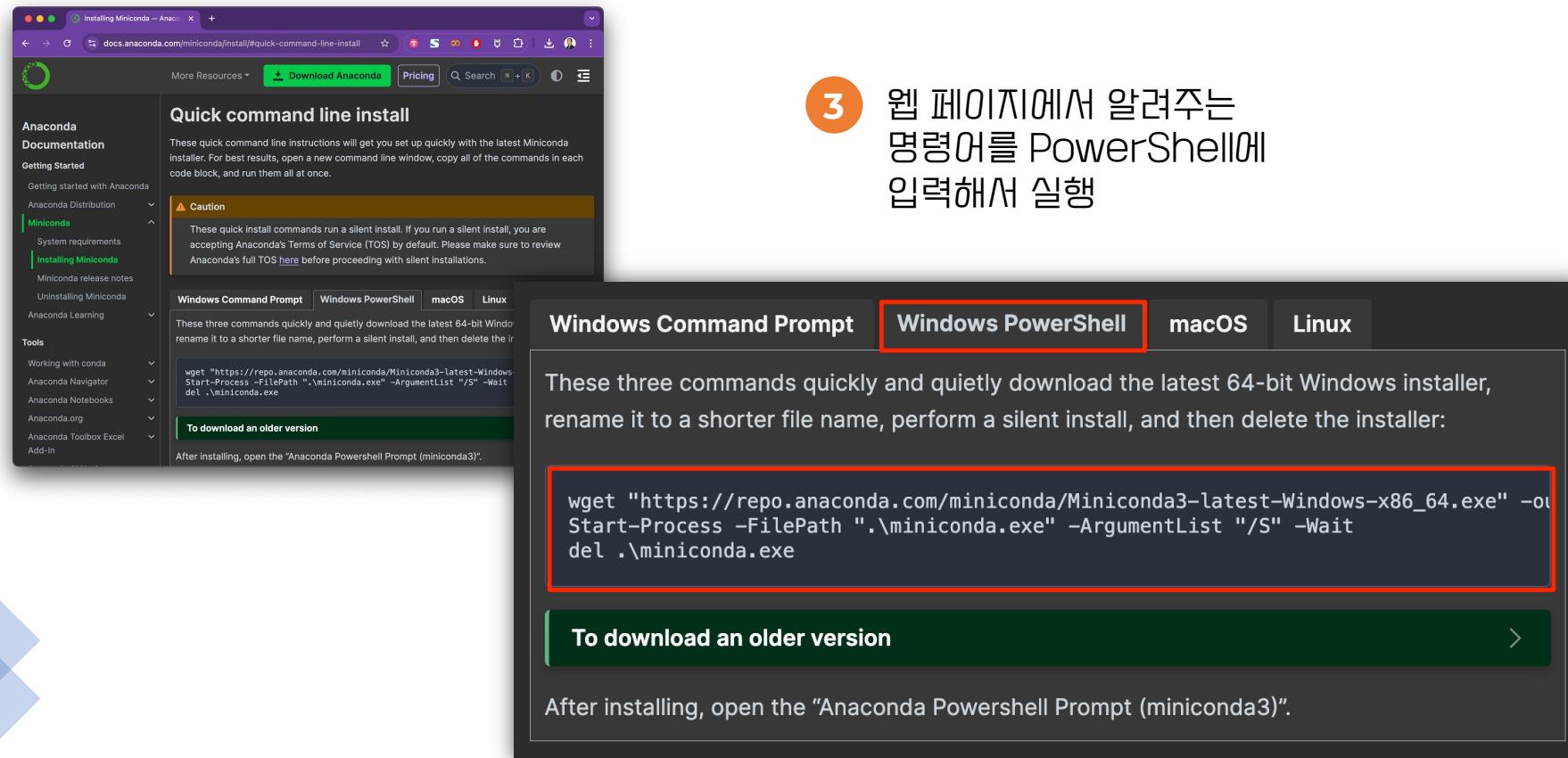
Miniconda 설치 설명 웹페이지 접속

[https://docs.anaconda.com/miniconda/install/
#quick-command-line-install](https://docs.anaconda.com/miniconda/install/#quick-command-line-install)

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방법 1

Windows / PowerShell 사용해서 설치



3 웹 페이지에서 알려주는 명령어를 PowerShell에 입력해서 실행

Windows Command Prompt Windows PowerShell macOS Linux

```
wget "https://repo.anaconda.com/miniconda/Miniconda3-latest-Windows-x86_64.exe" -o miniconda.exe
Start-Process -FilePath ".\miniconda.exe" -ArgumentList "/S" -Wait
del .\miniconda.exe
```

To download an older version >

After installing, open the "Anaconda Powershell Prompt (miniconda3)".

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- 방법 1: PowerShell 이용
- 방법 2 : Command Prompt 이용

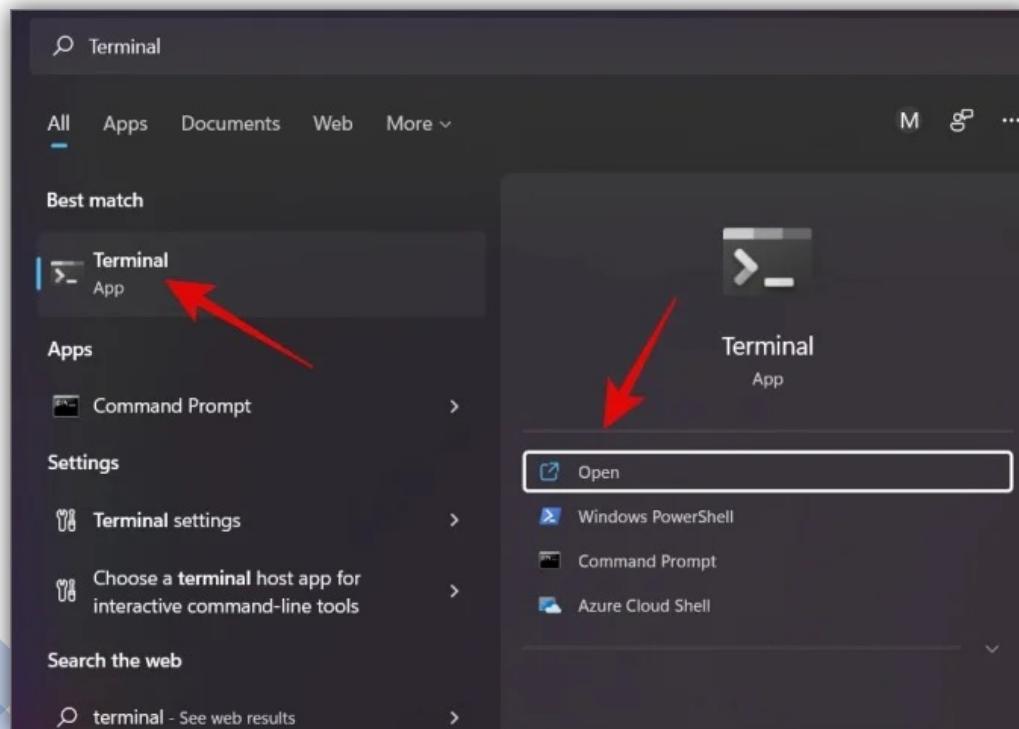


Windows에 설치하기

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방법 2

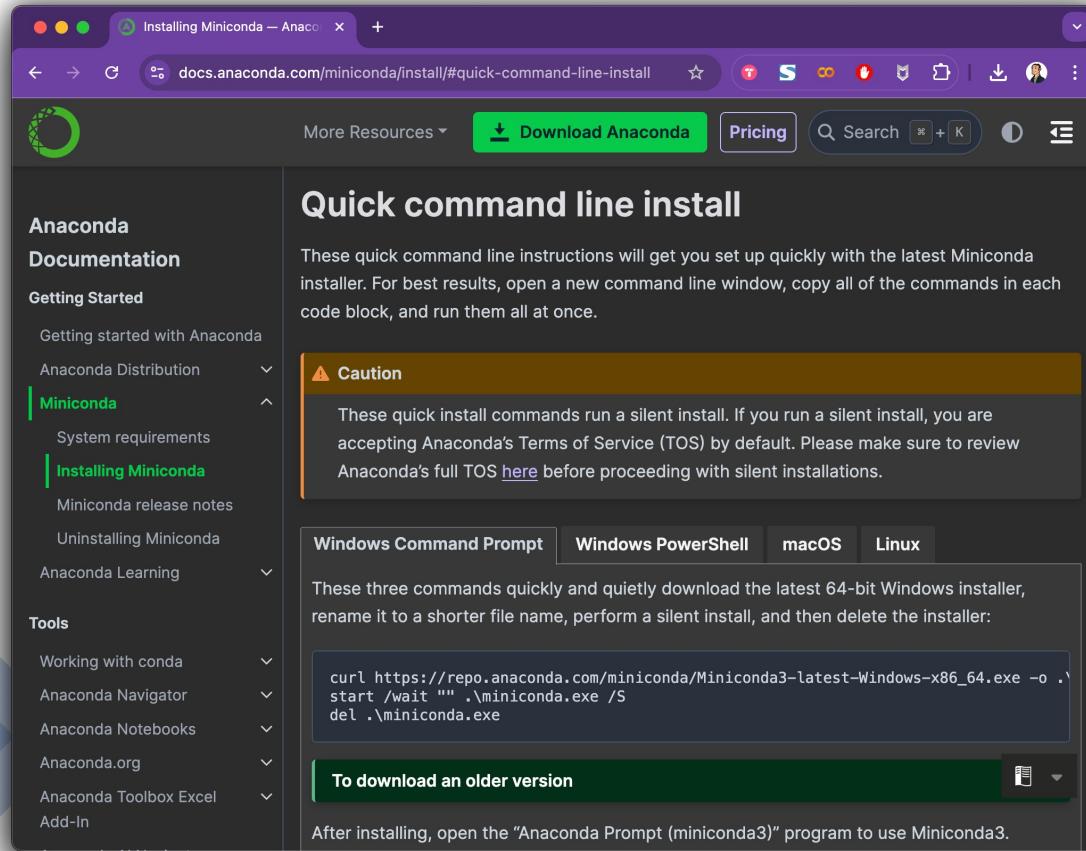
Windows / Command Prompt 사용하여 설치하기



1 Terminal 앱 실행

방법 2

Windows / Command Prompt 사용하여 설치하기

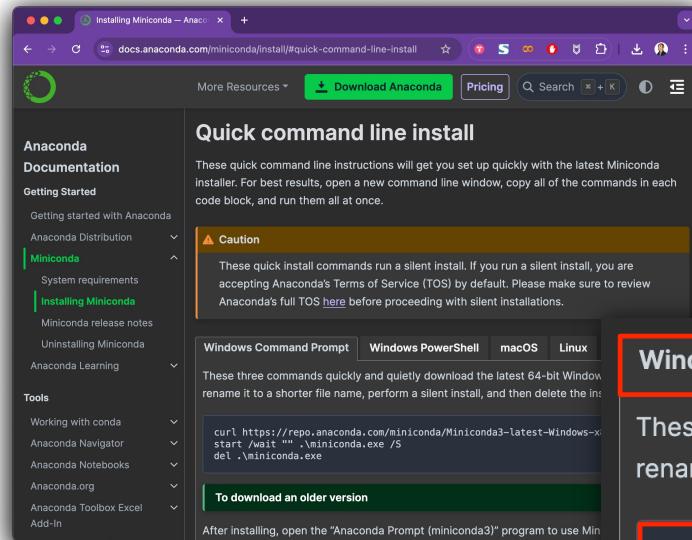


2 Miniconda 설치 설명 웹페이지 접속

[https://docs.anaconda.com/miniconda/install/
#quick-command-line-install](https://docs.anaconda.com/miniconda/install/#quick-command-line-install)

방법 2

Windows / Command Prompt 사용하여 설치하기



3

웹 페이지에서 알려주는 명령어를 Terminal에 입력해서 실행

The screenshot shows the 'Windows Command Prompt' section of the documentation. It contains instructions for downloading the latest 64-bit Windows installer and performing a silent install. Below the instructions is a code block containing the curl command, which is also highlighted with a red box.

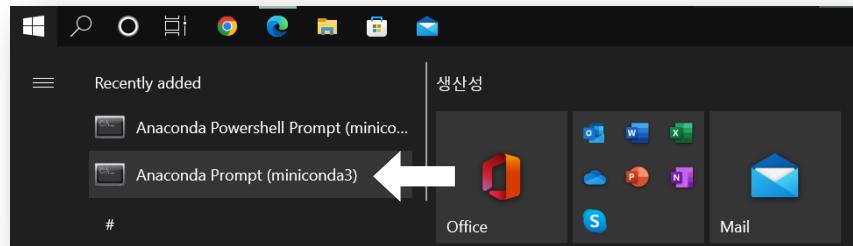
```
curl https://repo.anaconda.com/miniconda/Miniconda3-latest-Windows-x86_64.exe -o .\miniconda.exe  
start /wait "" .\miniconda.exe /S  
del .\miniconda.exe
```

[To download an older version](#)

After installing, open the "Anaconda Prompt (miniconda3)" program to use Miniconda3.

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Miniconda 설치 확인



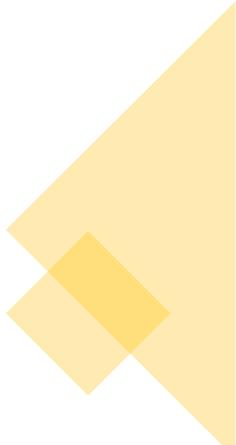
4 Anaconda Prompt 실행

프롬프트에 (base) 라고 나오는지 확인

```
(base) C:\Users\shool>conda --version  
conda 4.12.0  
  
(base) C:\Users\shool>python --version  
Python 3.9.12  
  
(base) C:\Users\shool>
```

5

Miniconda 설치 확인



```
Anaconda Prompt (miniconda3)
(base) C:\Users\shool>conda --version
conda 4.12.0
(base) C:\Users\shool>python --version
Python 3.9.12
(base) C:\Users\shool>_
```

6

다음 명령어를 실행해서 Conda와 Python이 제대로 설치되어 있는지 확인

conda --version
python --version

출력되는 버전 정보는 약간 다를 수 있음

2024년 7월 9일자로 Python 최신 버전은 v3.12.4
Conda 최신 버전은 v24.5.0

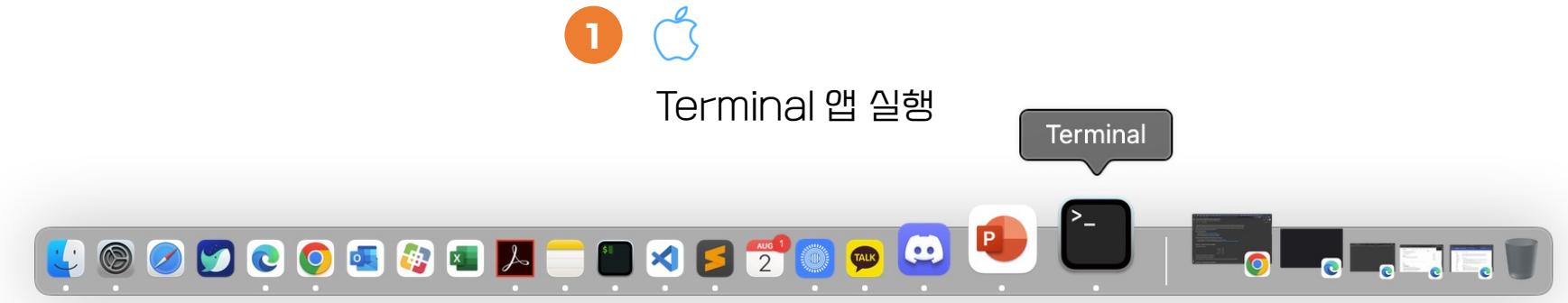
Jaeyoung Chun



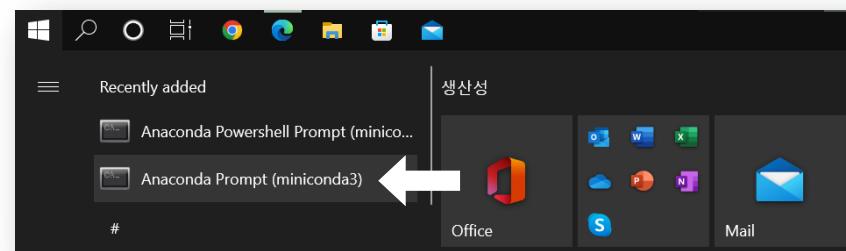
프로그래밍 환경 설정

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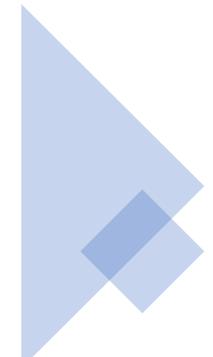
Terminal(터미널) 앱 실행



Anaconda Prompt 실행



Jaeyoung Chun



가상환경(Virtual Environment) 만들기



- 2 Terminal App(Mac) 또는 Anaconda Prompt(Windows)에서 다음 명령어 실행:

```
conda create -n facamp-2025-winter python=3.12 pip  
conda activate facamp-2025-winter
```

프롬프트에 (base)라고 나오는지 확인

그리고 명령어 실행

The screenshot shows a Mac terminal window with a black background and white text. It displays two commands:
(base) conda create -n facamp-2025-winter python=3.12 pip
(base) conda activate facamp-2025-winter

Two blue circles labeled 'a' and 'b' with arrows point to specific parts of the terminal window. Circle 'a' points to the first command 'conda create ...'. Circle 'b' points to the second command 'conda activate ...'.

Jupyter Lab 설치



- 3 Terminal App(Mac) 또는 Anaconda Prompt(Windows)에서 다음 명령어 실행:
`conda install jupyterlab`

프롬프트 변경되었는지 확인

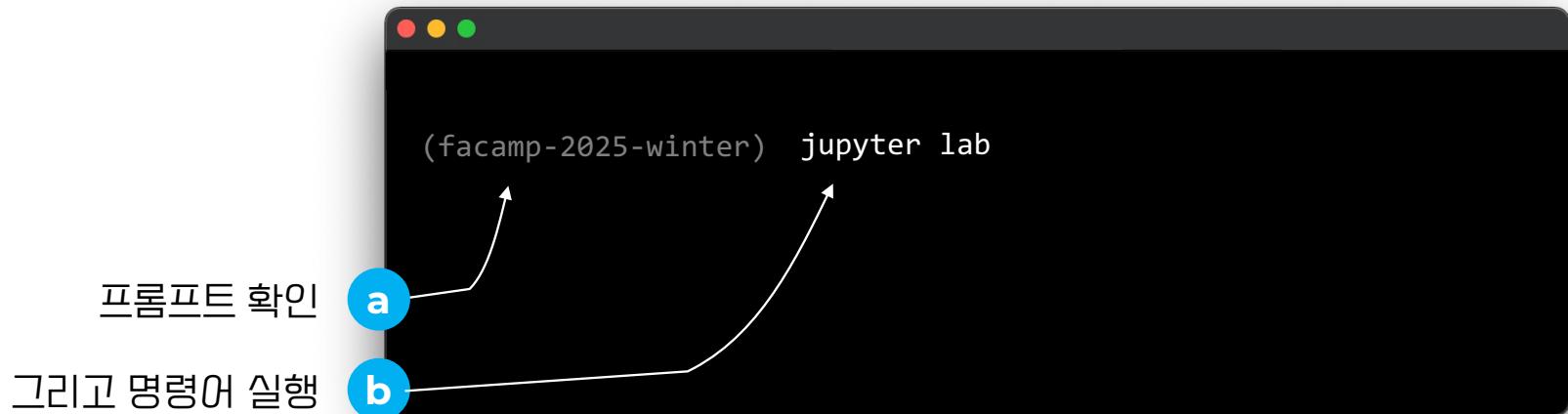
그리고 명령어 실행



Jupyter Lab 실행

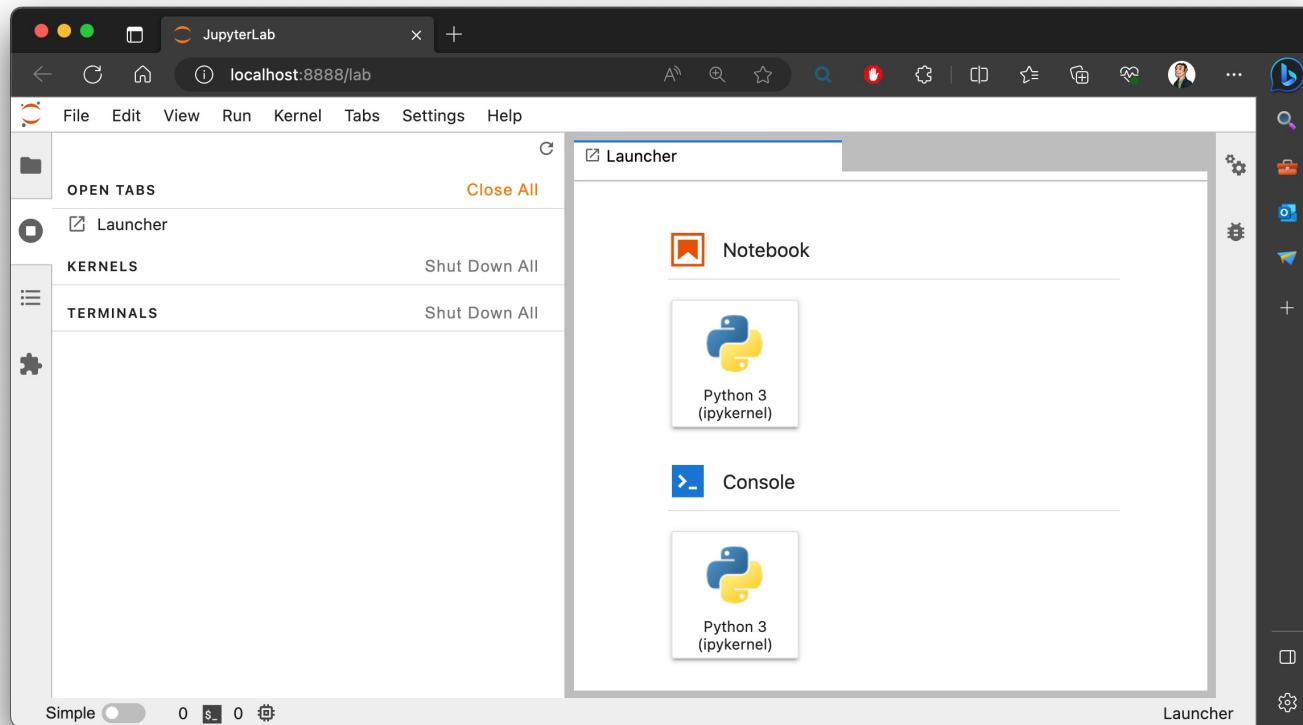


- 4 Terminal App(Mac) 또는 Anaconda Prompt(Windows)에서 다음 명령어 실행:
`jupyter lab`



설치 확인

다음과 같은 화면이 나오면 Jupyter Lab 설치 및 실행 성공!



Jaeyoung Chun

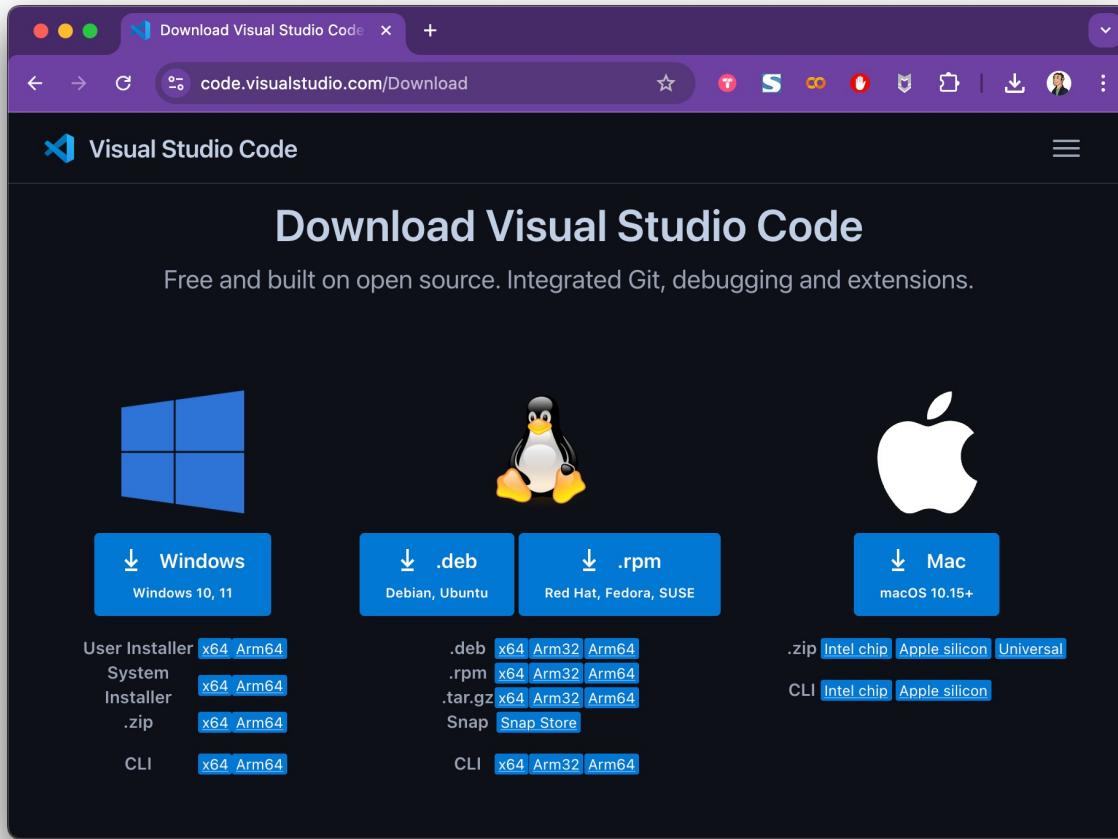
The background features a large, abstract graphic element on the left side. It consists of several concentric, curved bands that transition from light green at the top to light blue at the bottom. These bands are set against a white background and overlap each other, creating a sense of depth and motion.

Visual Studio Code

VS Code 설치

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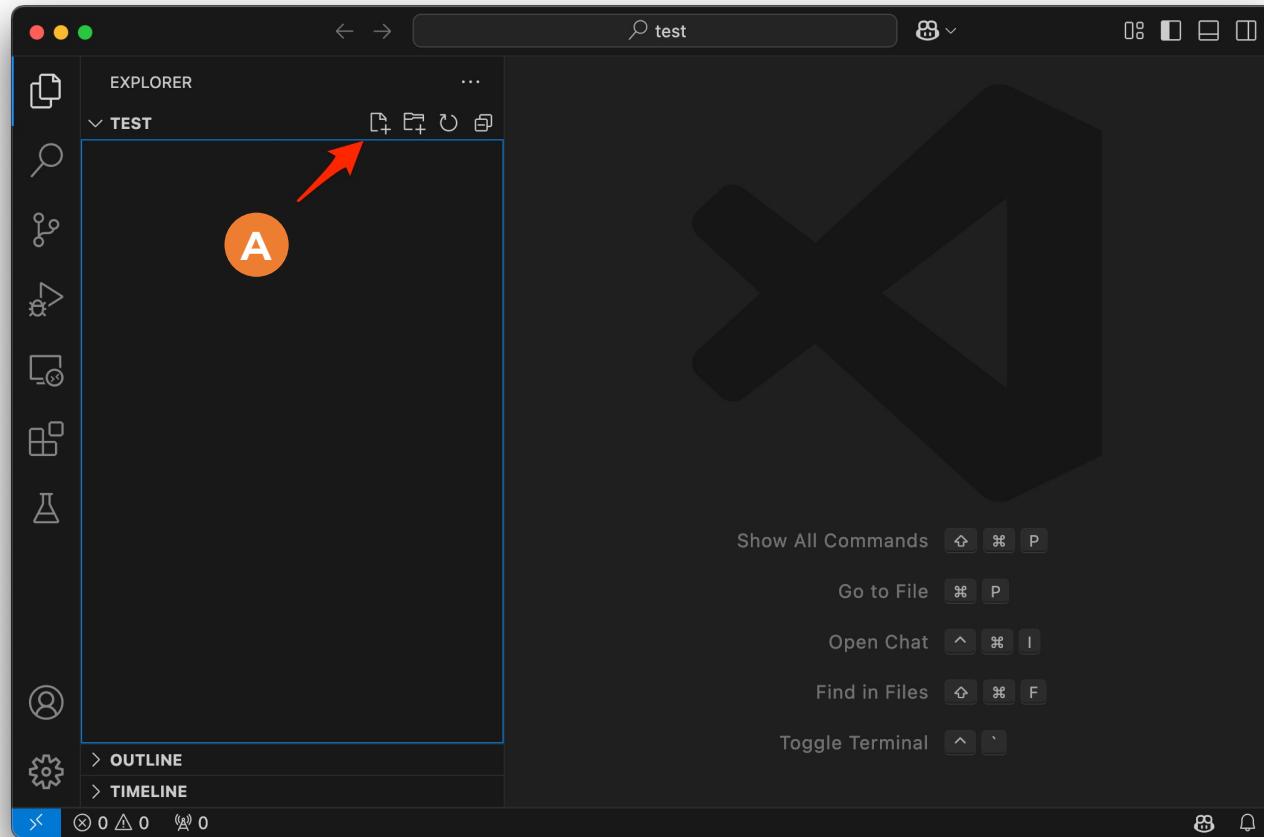
VS Code : 설치



사용하는 운영체제에 맞게
다운로드 받아서 설치

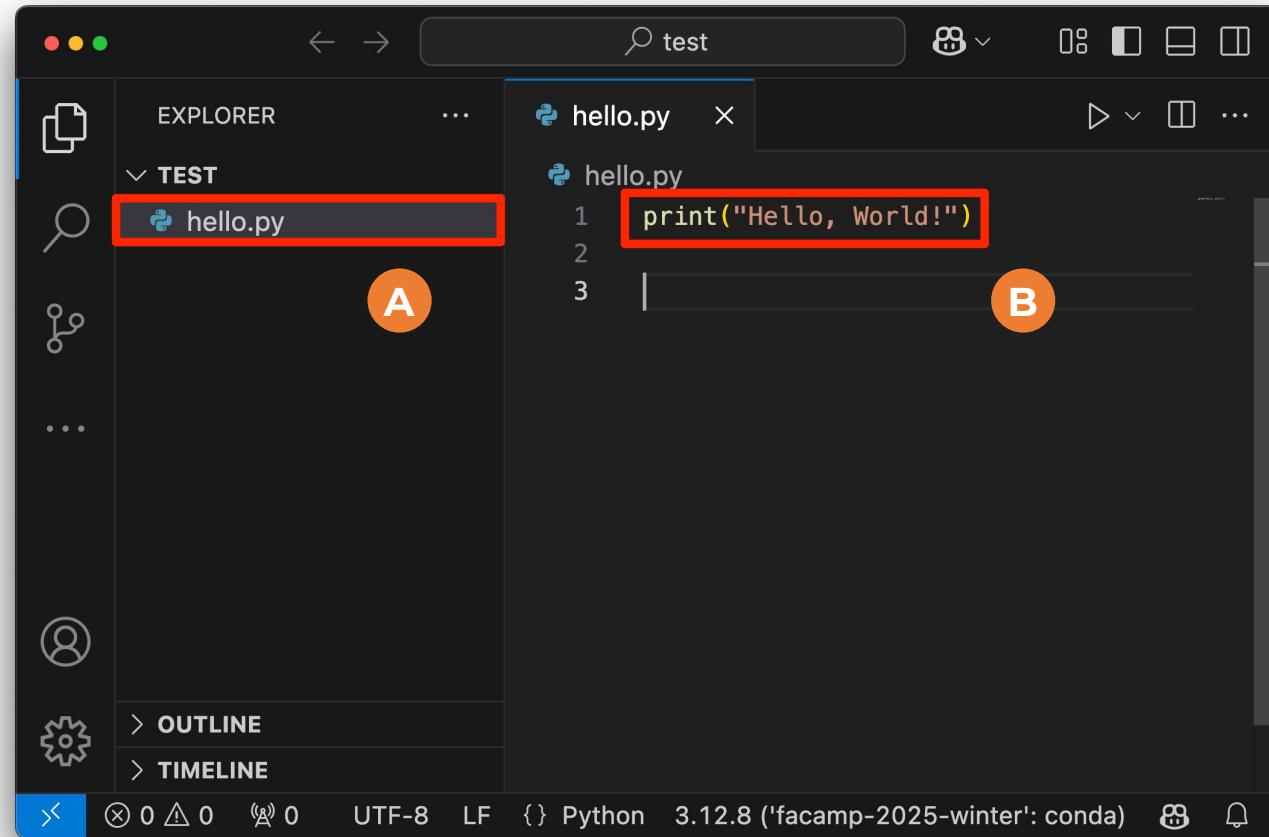
- Windows
- Mac (Apple Silicon; M1, M2, M3)
- Mac (Intel)

VS Code : 새로운 코드 파일 만들기



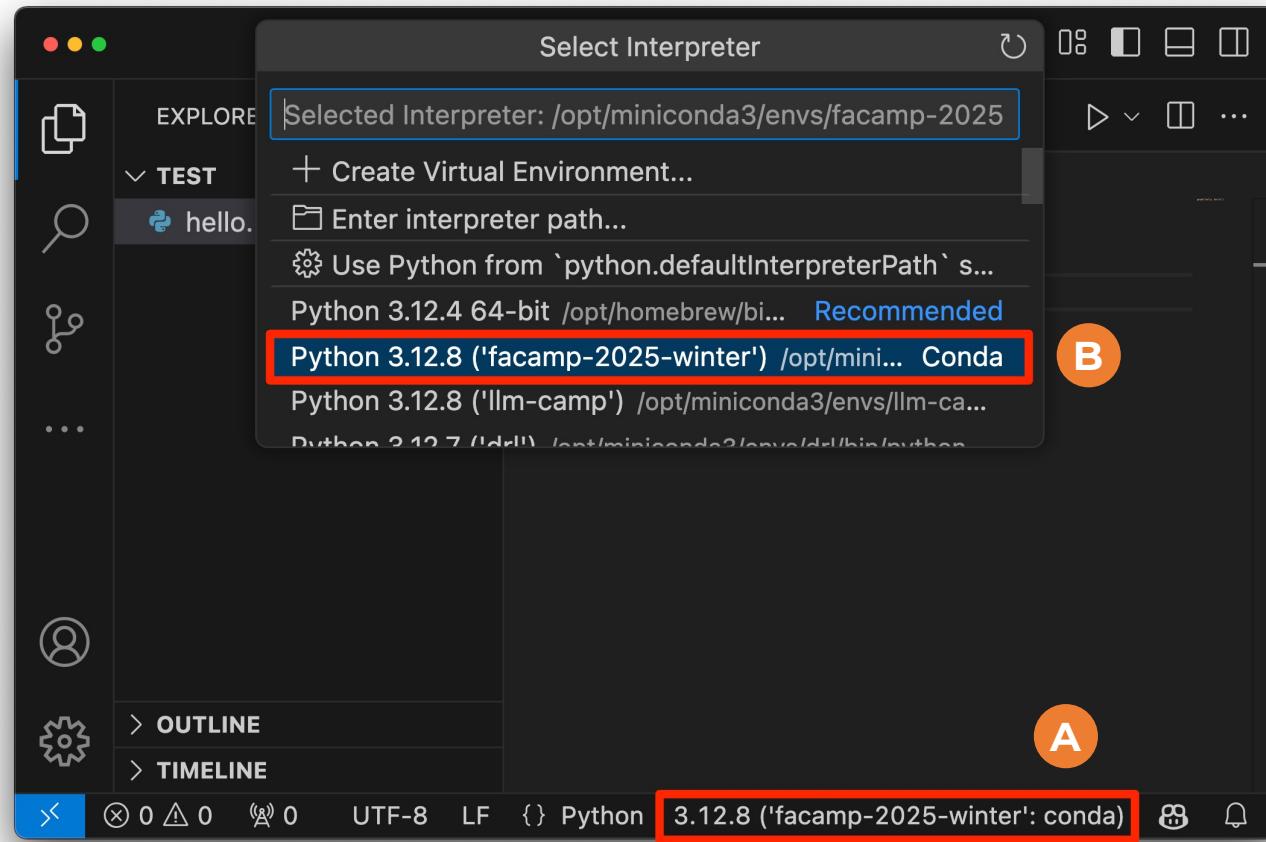
(A) 파일 새로 만들기 클릭

VS Code : Python 코드 작성



- (A) 파일 이름을 hello.py로 설정
(B) 예제 코드 입력하고 저장

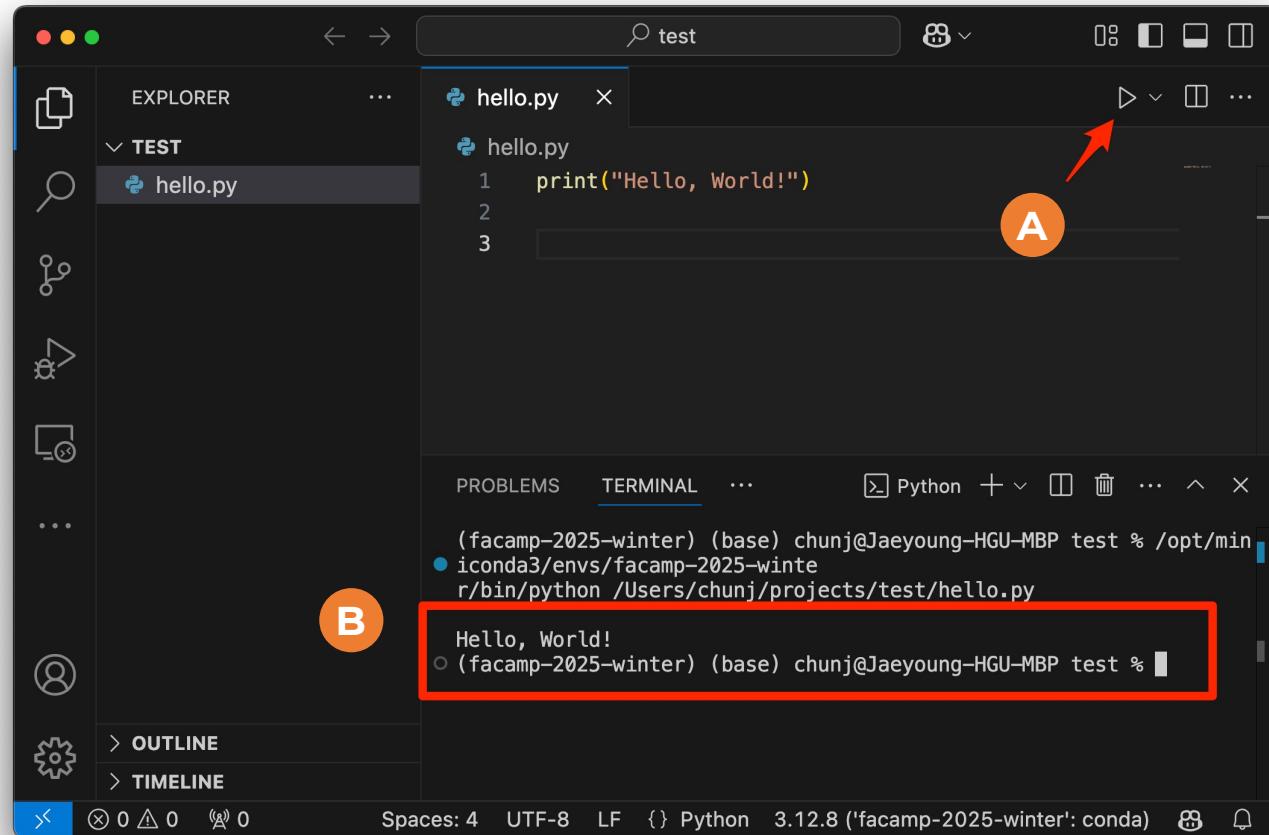
VS Code : Interpreter 설정



(A) 클릭
(B) facamp-2025-winter 선택

만약 facamp-2025-winter가
보이지 않으면 앞에 환경 설정을
잘 못 한 것임.

VS Code : Python 코드 실행



- (A) 실행 버튼 클릭
(B) 코드 결과물 출력되는지 확인



“나는 데이터로 축구한다”



Winning Twelve



Football Analytics

THANK YOU!



Jaeyoung Chun