

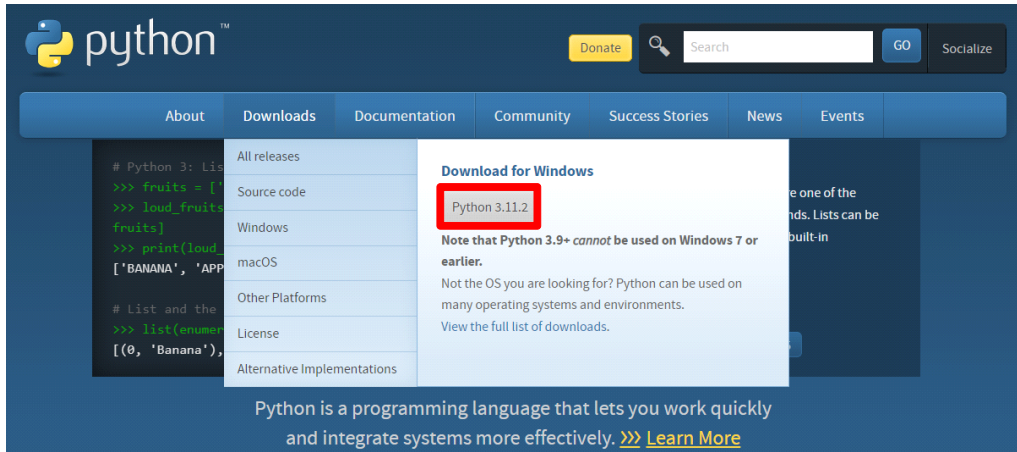
Python & Jupyter Notebook 환경설정 (With VS Code)

목차

1. 환경설정

컴퓨터·AI공학부 AI학술동아리 <MLP>

1. 환경 설정



The image shows the Python.org homepage. At the top, there is a navigation bar with the Python logo, a search bar, and links for 'Donate', 'GO', and 'Socialize'. Below this is a secondary navigation bar with links for 'About', 'Downloads', 'Documentation', 'Community', 'Success Stories', 'News', and 'Events'. The 'Downloads' link is highlighted, and a dropdown menu is open, showing options: 'All releases', 'Source code', 'Windows', 'macOS', 'Other Platforms', 'License', and 'Alternative Implementations'. The 'Windows' option is selected, leading to the 'Download for Windows' section. This section features a red-bordered box around the text 'Python 3.11.2'. Below this, there is a note: 'Note that Python 3.9+ cannot be used on Windows 7 or earlier.' and a paragraph stating: 'Not the OS you are looking for? Python can be used on many operating systems and environments. View the full list of downloads.'

python™

Donate

Search

GO

Socialize

About Downloads Documentation Community Success Stories News Events

Python 3: Lis
>>> fruits = ['
>>> loud_fruits
fruits]
>>> print(loud_
['BANANA', 'APP

List and the
>>> list(enumer
[(0, 'Banana'),

All releases
Source code
Windows
macOS
Other Platforms
License
Alternative Implementations

Download for Windows

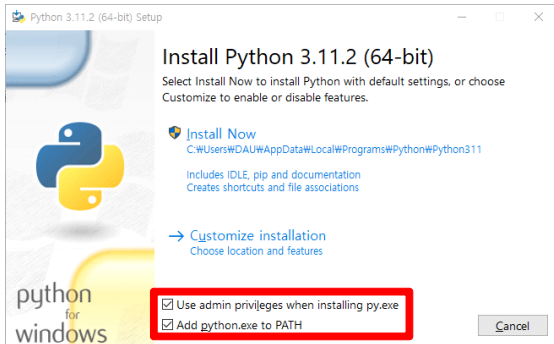
Python 3.11.2

Note that Python 3.9+ cannot be used on Windows 7 or earlier.

Not the OS you are looking for? Python can be used on many operating systems and environments. View the full list of downloads.

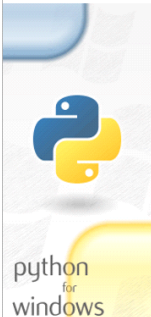
Python is a programming language that lets you work quickly and integrate systems more effectively. >>> [Learn More](#)

<https://www.python.org/>



두 개 다 체크 후
Install Now 클릭

Python 3.11.2 (64-bit) Setup



Setup was successful

New to Python? Start with the [online tutorial](#) and [documentation](#). At your terminal, type "py" to launch Python, or search for Python in your Start menu.

See [what's new](#) in this release, or find more info about [using Python on Windows](#).



Disable path length limit

Changes your machine configuration to allow programs, including Python, to bypass the 260 character "MAX_PATH" limitation.

Close

The image shows the Visual Studio Code website on the left and a screenshot of the VS Code application interface on the right.

Visual Studio Code Website:

- Navigation: Visual Studio Code, Docs, Updates, Blog, API, Extensions, FAQ, Learn.
- Search: Search Docs
- Download: Download
- Message: Version 1.76 is now available! Read about the new features and fixes from February.
- Section: Code editing. Redefined.
- Text: Free. Built on open source. Runs everywhere.
- Button: Download for Windows (Stable Build)
- Text: Web, Insiders edition, or other platforms
- Text: By using VS Code, you agree to its license and privacy statement.

VS Code Interface Screenshot:

- File Explorer: Extensions Marketplace, @sortinstalls
- Search Bar: @sortinstalls
- Extension List:
 - Python 2018.6.24021 (54.9M, 4.5 stars) - Microsoft
 - GitLens — Git sup... 9.8.5 (25.1M, 5 stars) - Eric Amodio
 - C/C++ 0.24.0 (28M, 3.5 stars) - Microsoft
 - ESLint 1.3.0 (21.9M, 4.5 stars) - Dirk Baumer
 - Debugger for Ch... 4.11.6 (20.6M, 4 stars) - Microsoft
 - Language Supp... 0.47.0 (18.7M, 4.5 stars) - Red Hat
 - vscode-icons 3.8.0 (17.2M, 5 stars) - VSCode Icons Team
 - Vetur 0.21.1 (17M, 4.5 stars) - Pine Wu
 - C# 1.21.0 (15.6M, 4 stars) - Microsoft
- Code Editor: serviceWorker.js, create-react-app - Visual Studio Code - In...

```
src > JS serviceWorker.js > register > @window.addEventListener('load') callback
39
40
41 checkValidServiceWorker(swUrl, config);
42
43 // Add some additional logging to localhost, p
44 // service worker/PWA documentation.
45 navigator.serviceWorker.ready.then(() => {
46
47   @product
48   @productSub
49   @removeSiteSpecificTrackingException
50   @removeWebWideTrackingException
51   @requestMediaKeySystemAccess
52   @sendBeacon
53   @serviceWorker (property) Navigator.serviceWork...
54   @storage
55   @storeSiteSpecificTrackingException
56   @storeWebWideTrackingException
57   @userAgent
58   @vendor
59
60 function registerValidSW(swUrl, config) {
61   navigator.serviceWorker
62     .register(swUrl)
63     .then(registration => {
```
- Terminal: node

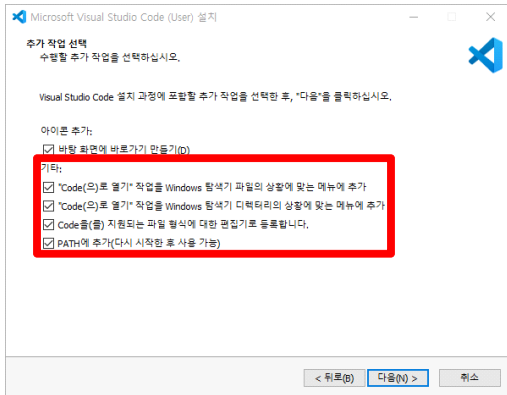
You can now view create-react-app in the browser.

Local: http://localhost:3000/

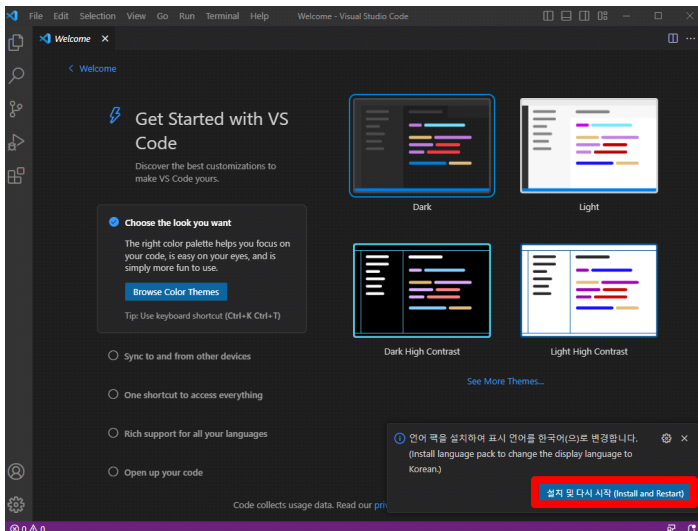
On Your Network: http://10.211.55.3:3000/

Note that the development build is not optimized.
- Status Bar: master, 0 errors, 0 warnings, 0 info, Ln 43, Col 19, Spaces: 2, UTF-8, LF, JavaScript

<https://code.visualstudio.com/>



기타 부분 모두 체크



VS Code 시작

VS Code를 자신의 것으로 만들기 위한 가장 적합한 사용자 지정을 발견하세요.

원하는 모양 선택

올바른 색상표는 코드에 집중할 수 있고, 눈에 편하고, 더 재미있게 사용할 수 있도록 도와줍니다.

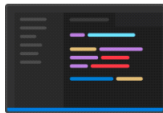
색 테마 찾아보기

팁: 바로 가기 키 사용 (Ctrl+K Ctrl+T)

- 다른 장치와 동기화
- 모든 항목에 액세스하는 하나의 바로 가기
- 모든 언어에 대한 다양한 지원
- 코드 열기

완료로 표시

다음 선택 →



어둡게



밝게



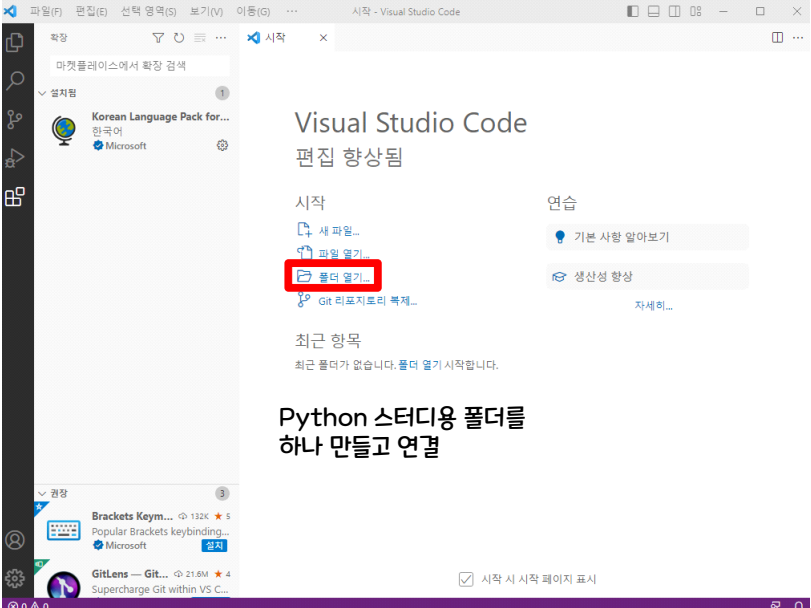
어두운 고대비



밝은 고대비

더 많은 테마 보기...

색 선택 후
완료로 표시 클릭





이 폴더에 있는 파일의 작성자를 신뢰합니까?

Code에서는 이 폴더의 파일을 자동으로 실행할 수 있는 기능을 제공합니다.

이러한 파일의 작성자를 신뢰하지 않는 경우 파일이 악의적일 수 있으므로 제한된 모드에서 계속하는 것이 좋습니다. 자세한 내용은 [당사의 문서](#)를 참조하세요.

D:\즐거찾기\바탕 화면\Computer Study\Languages\Python

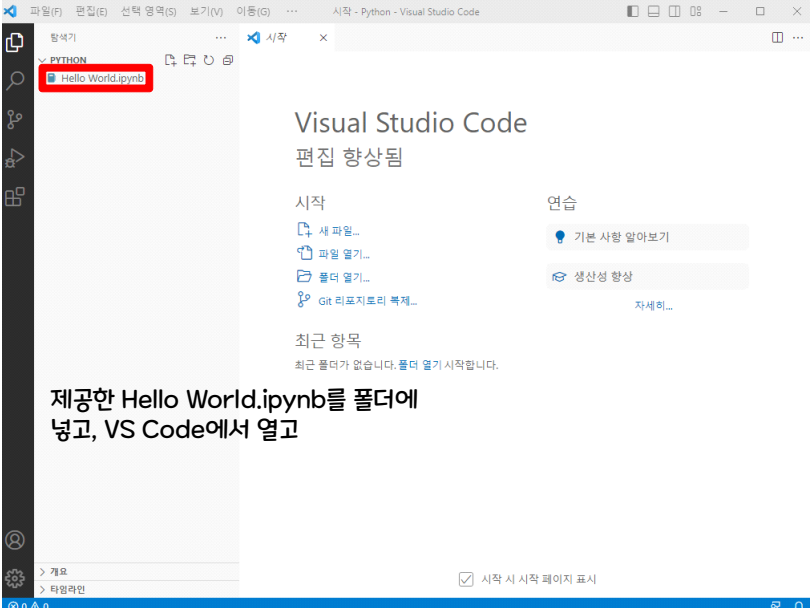
☒ 부모 폴더 'Languages'에서 모든 파일의 작성자를 신뢰합니다.

예, 작성자를 신뢰합니다.

폴더 신뢰 및 모든 기능 사용

아니요, 작성자를 신뢰하지 않습니다.

제한된 모드에서 폴더 찾아보기



제공한 Hello World.ipynb를 폴더에
넣고, VS Code에서 열고

탐색기

PYTHON

Hello World.ipynb

> 개요

> 타임라인

Hello World.ipynb x

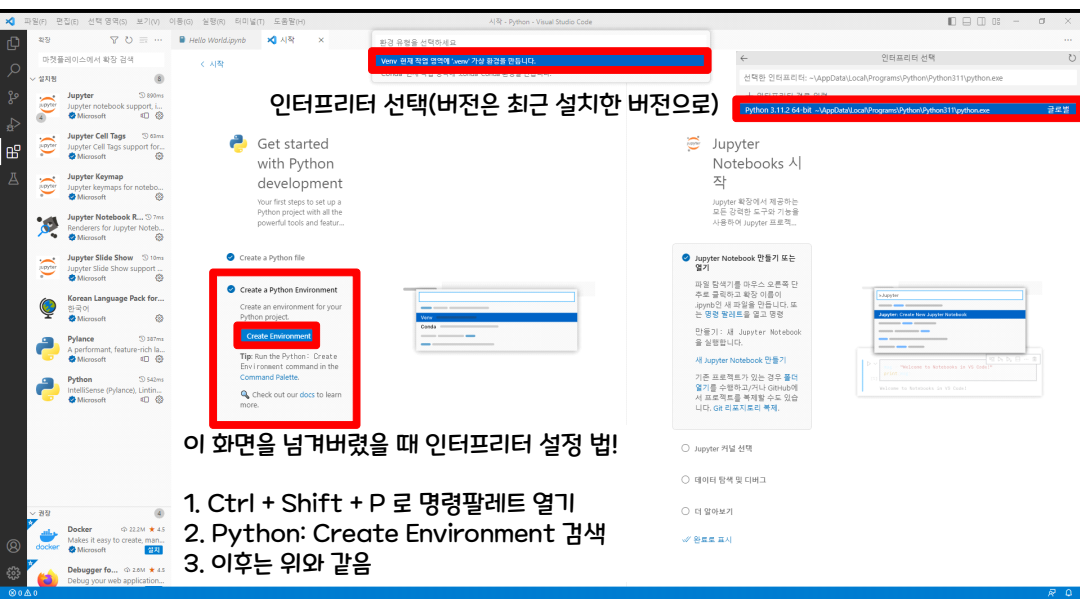
Hello World.ipynb > 빈 셀

+ 코드 + Markdown ...

Python

Python에 권장되는 확장을 설치하시겠습니까?

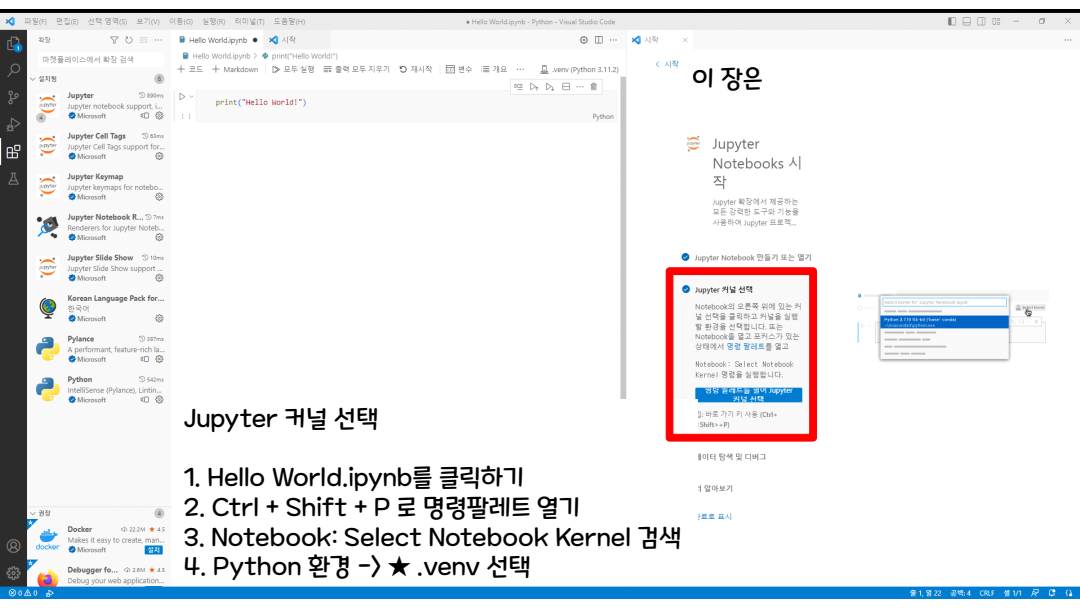
설치 권장 사항 표시

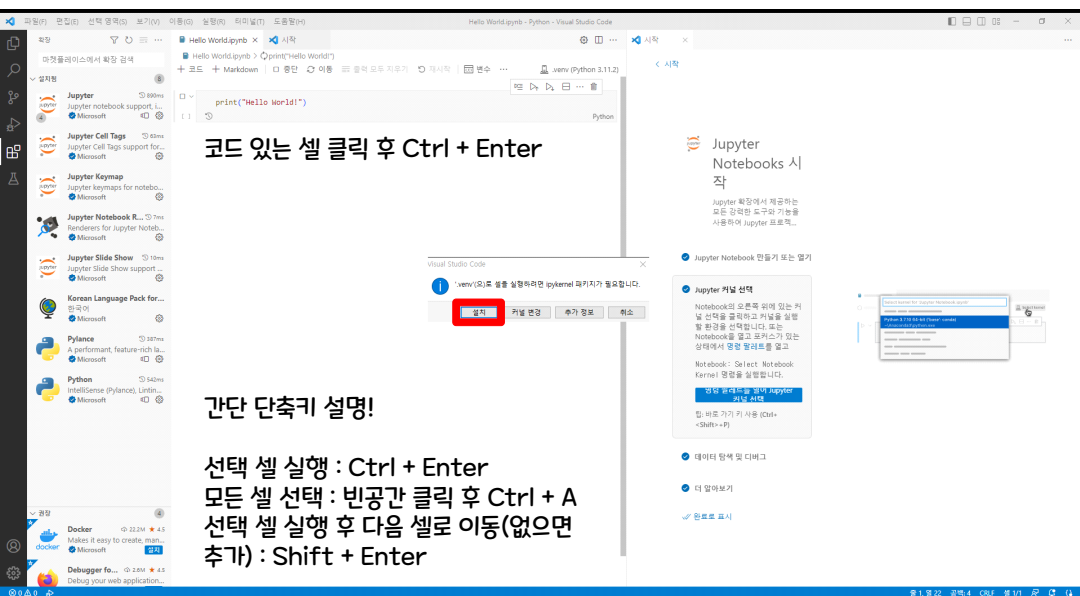


인터프리터 선택(버전은 최근 설치한 버전으로)

이 화면을 넘겨버렸을 때 인터프리터 설정 법!

1. Ctrl + Shift + P 로 명령팔레트 열기
2. Python: Create Environment 검색
3. 이후는 위와 같음

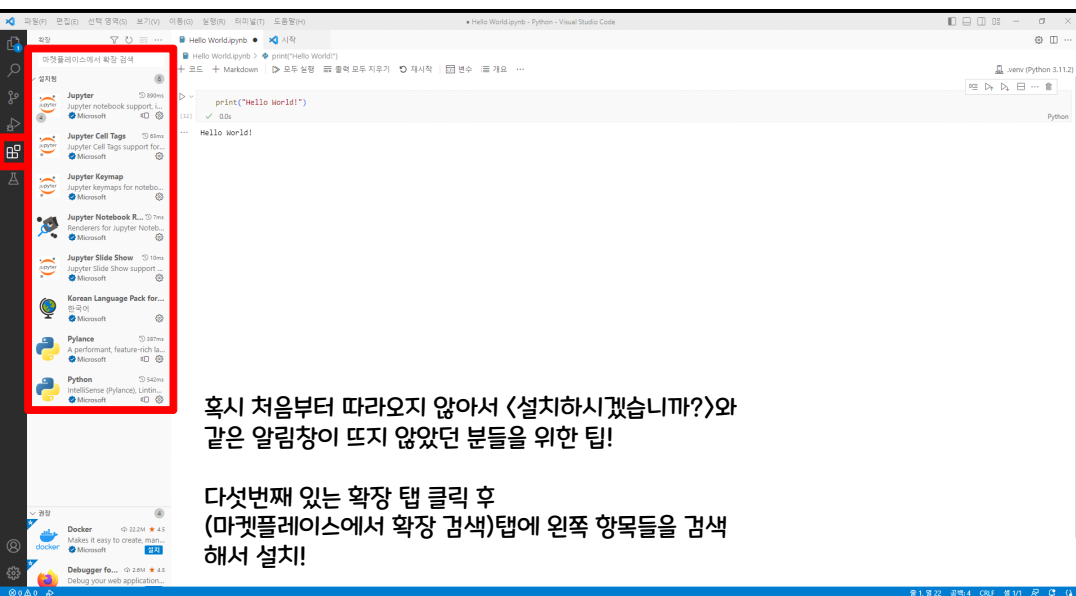




코드 있는 셀 클릭 후 Ctrl + Enter

간단 단축키 설명!

- 선택 셀 실행 : Ctrl + Enter
- 모든 셀 선택 : 빈공간 클릭 후 Ctrl + A
- 선택 셀 실행 후 다음 셀로 이동(없으면 추가) : Shift + Enter



The screenshot shows the Visual Studio Code interface with the 'Hello World.ipynb' file open. The Extensions view is open on the left, showing a search for 'Jupyter'. The search results are highlighted with a red box. The results include:

- Jupyter** (890ms) - Jupyter notebook support, L... - Microsoft
- Jupyter Cell Tags** (63ms) - Jupyter Cell Tags support for... - Microsoft
- Jupyter Keymap** - Jupyter keymaps for notebo... - Microsoft
- Jupyter Notebook R...** (7ms) - Renders for Jupyter Noteb... - Microsoft
- Jupyter Slide Show** (10ms) - Jupyter Slide Show support ... - Microsoft
- Korean Language Pack for...** - 한국어 - Microsoft
- Pylance** (387ms) - A performant, feature-rich la... - Microsoft
- Python** (542ms) - IntelliSense (Pylance), Lintin... - Microsoft

Below the red box, the '관람' (Browse) section shows other extensions like Docker and Debugger for Chrome.

혹시 처음부터 따라오지 않아서 <설치하시겠습니까?>와 같은 알림창이 뜨지 않았던 분들을 위한 팁!

다섯번째 있는 확장 탭 클릭 후
(마켓플레이스에서 확장 검색)탭에 왼쪽 항목들을 검색
해서 설치!

