경성대학교
KYUNGSUNG UNIVERSITY

WSL과 VSCode로 Python 개발 환경 구축하기

2024-08-01

Intel AI 융합 DX 마스터 클래스

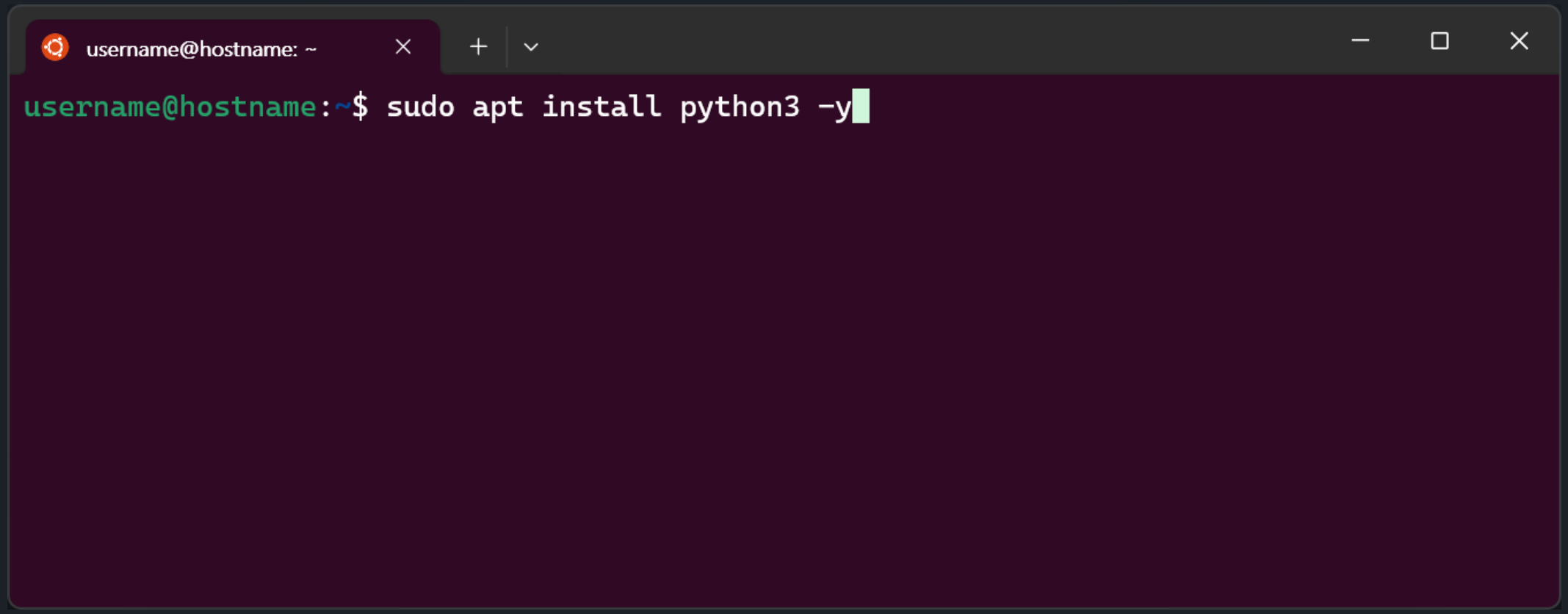
소프트웨어학과 서보형

목차

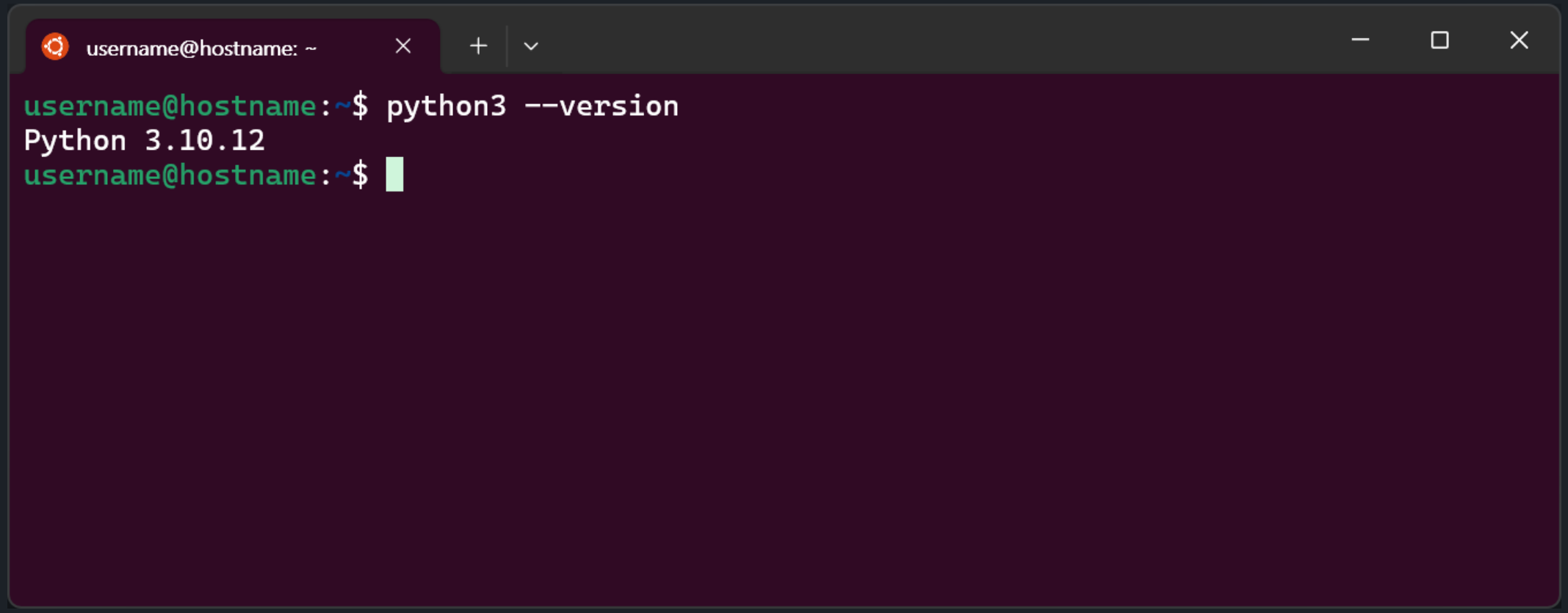
- Python 설치
- VSCode 실행
- Python 확장 설치
- Jupyter 확장 설치

Python 설치

Python 설치하기


username@hostname: ~
username@hostname:~$ sudo apt install python3 -y

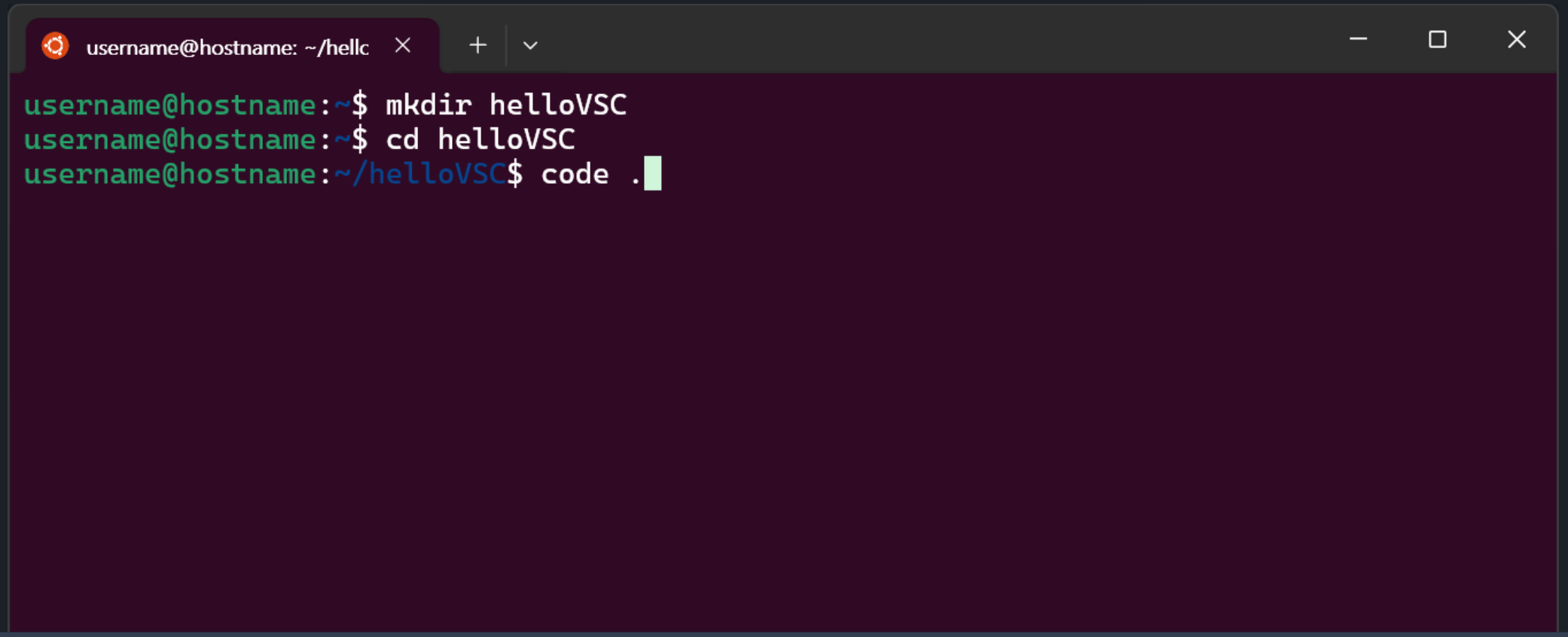
Python 설치 확인


username@hostname: ~
username@hostname:~$ python3 --version
Python 3.10.12
username@hostname:~$

VSCode 실행

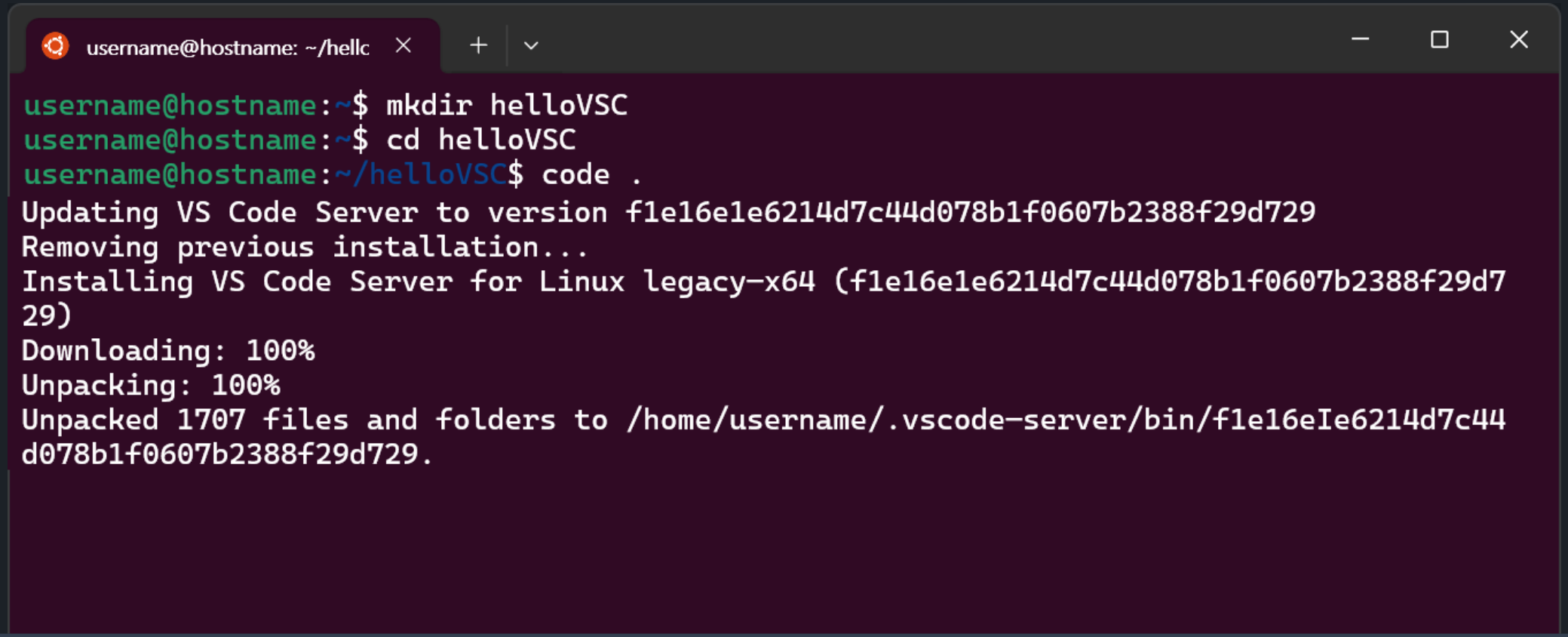
실습 폴더 생성 및 VSCode 실행

- Visual Studio Code(이하 VSCode)를 실행시킬 디렉터리로 이동한 다음 `code .` 을 입력

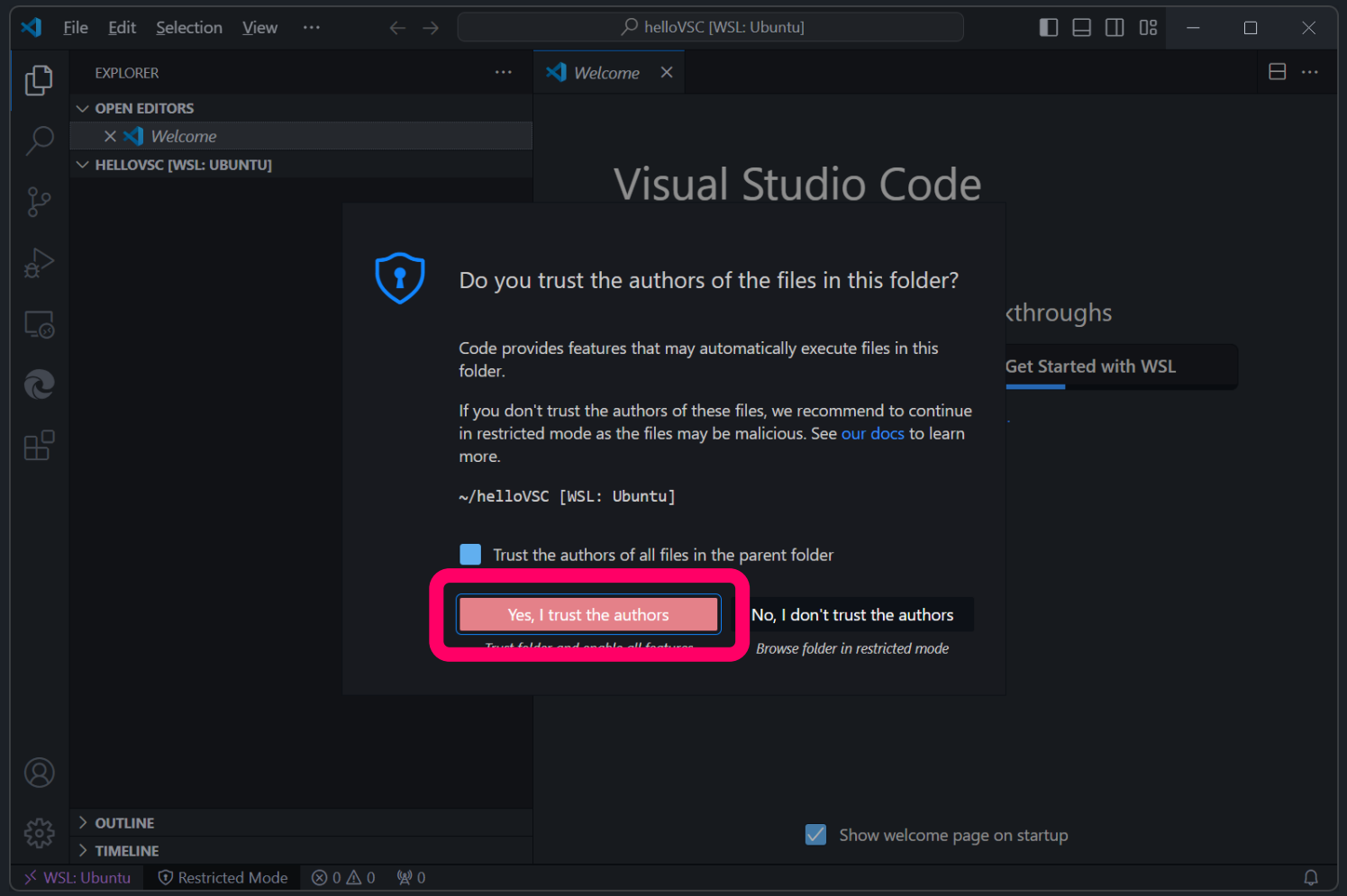


실습 폴더 생성 및 VSCode 실행

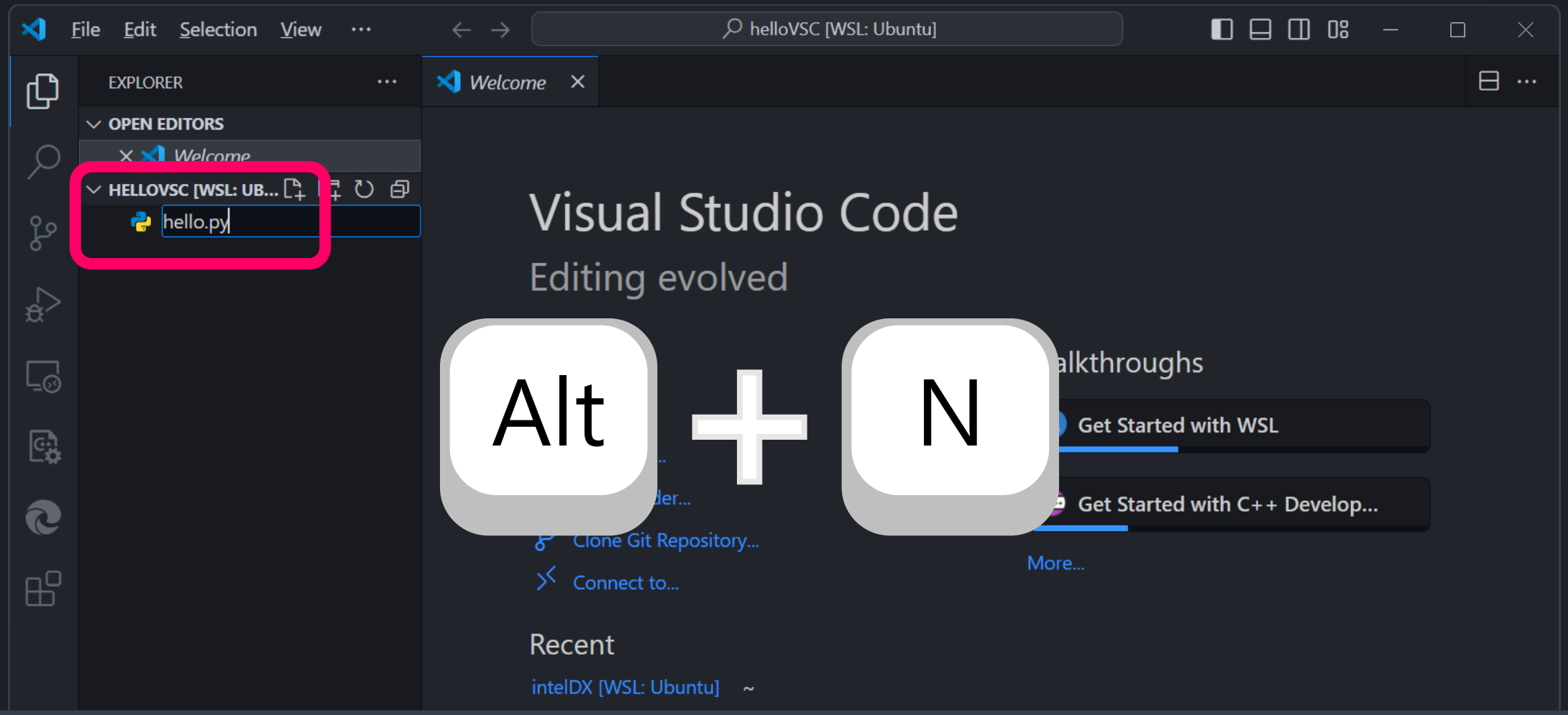
- 최초 실행 시 초기 설정 진행 후 VSCode가 실행 됨



실습 폴더 생성 및 VSCode 실행



파일 생성하기


File Edit Selection View ···
helloVSC [WSL: Ubuntu]
EXPLORER
Welcome
OPEN EDITORS
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hello.py
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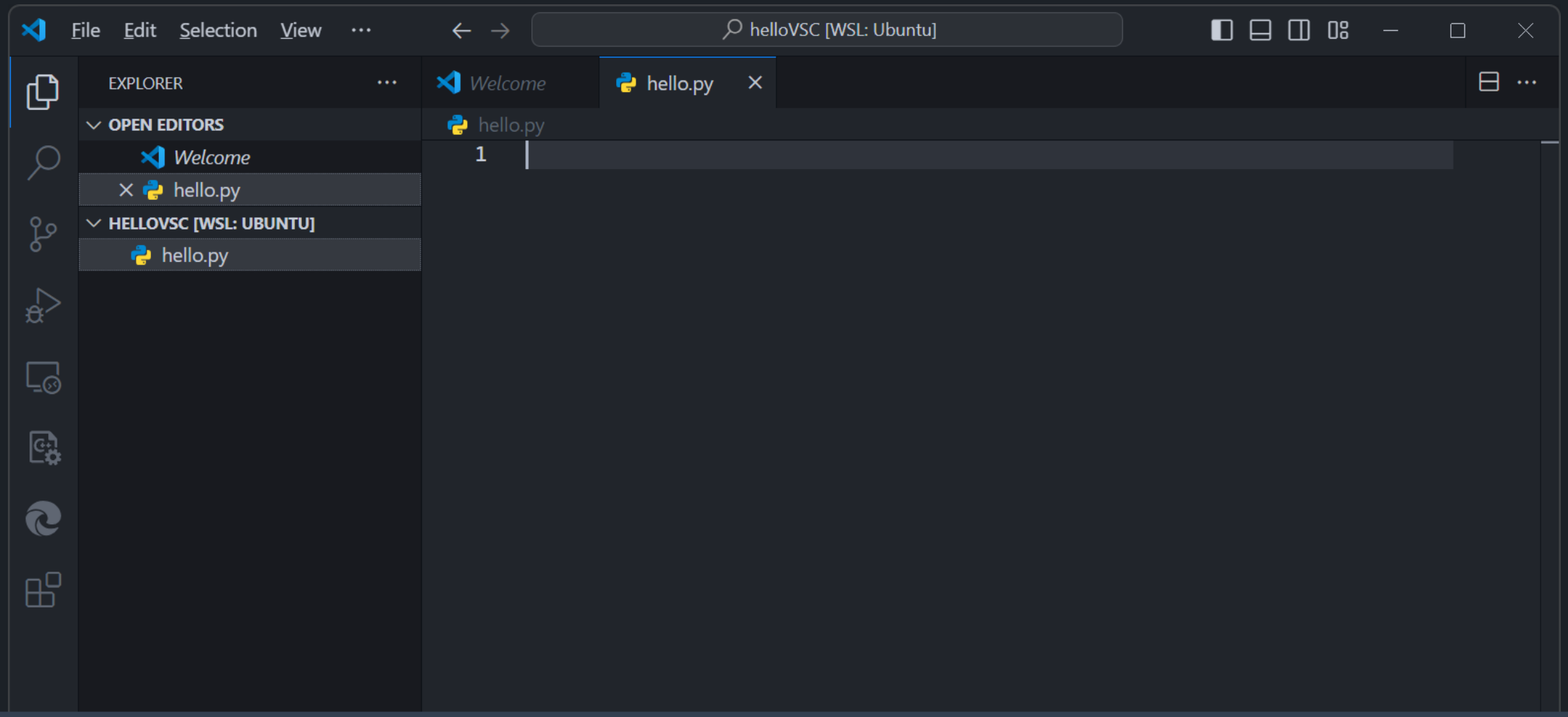
Get Started with WSL
Get Started with C++ Develop...
More...
Clone Git Repository...
Connect to...
Recent
intelDX [WSL: Ubuntu] ~

파일 생성하기


File
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helloVSC [WSL: Ubuntu]
EXPLORER
OPEN EDITORS
Welcome
hello.py
HELLOVSC [WSL: UBUNTU]
hello.py
Welcome
hello.py
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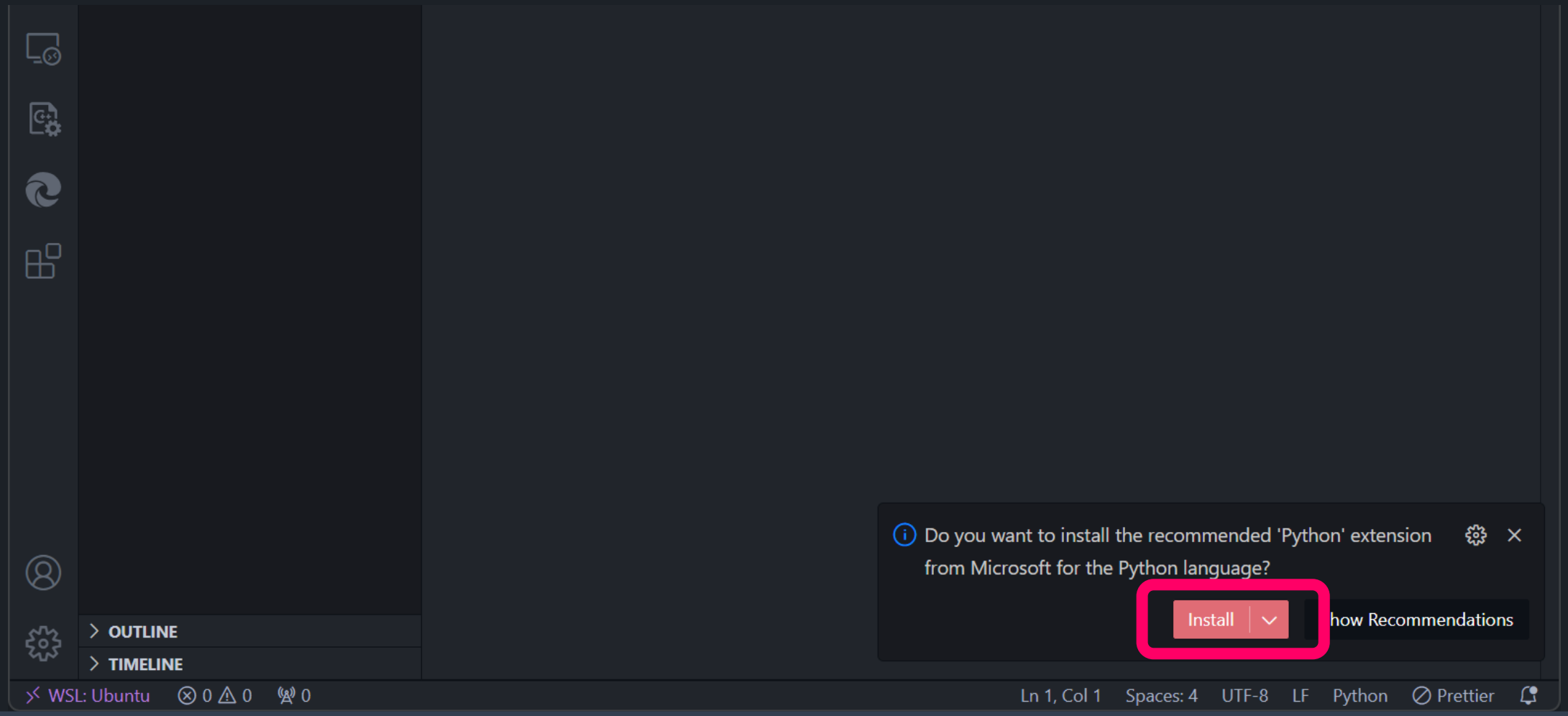
Python 확장 설치

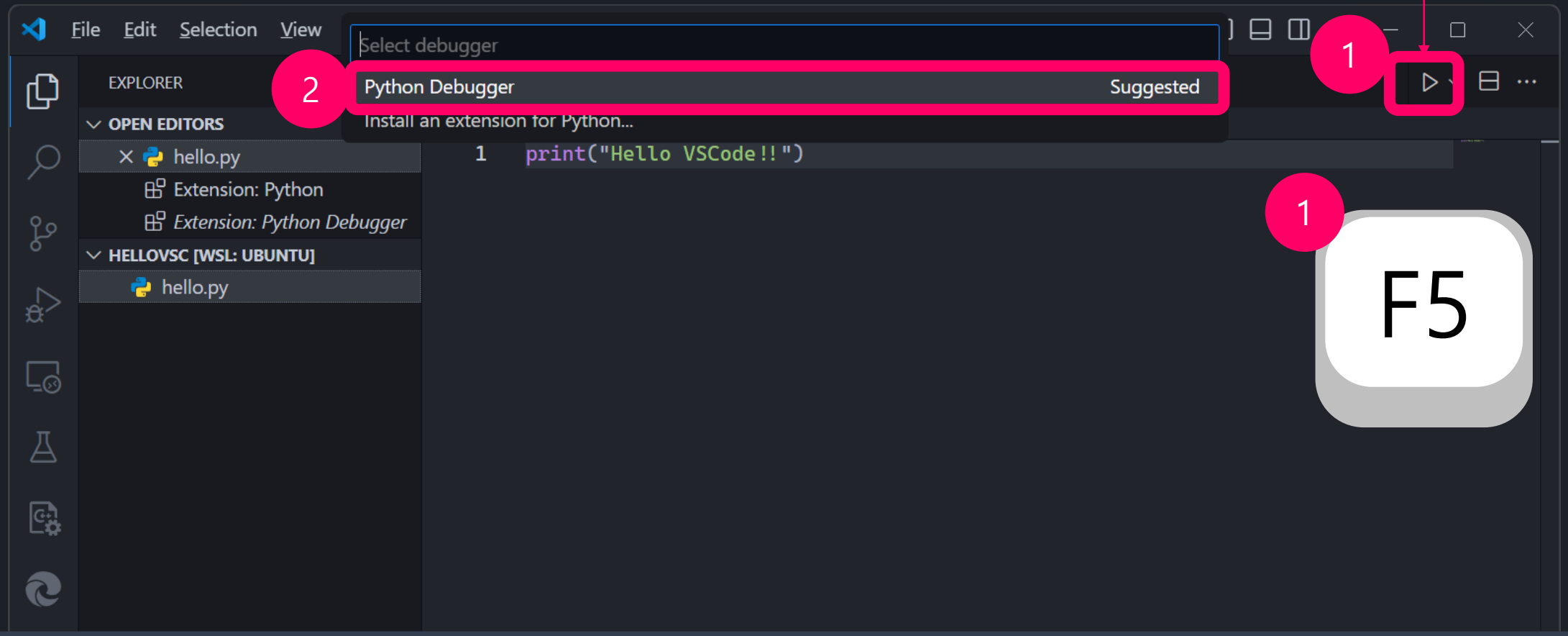
Python 확장 설치하기 (추천 팝업으로 설치)



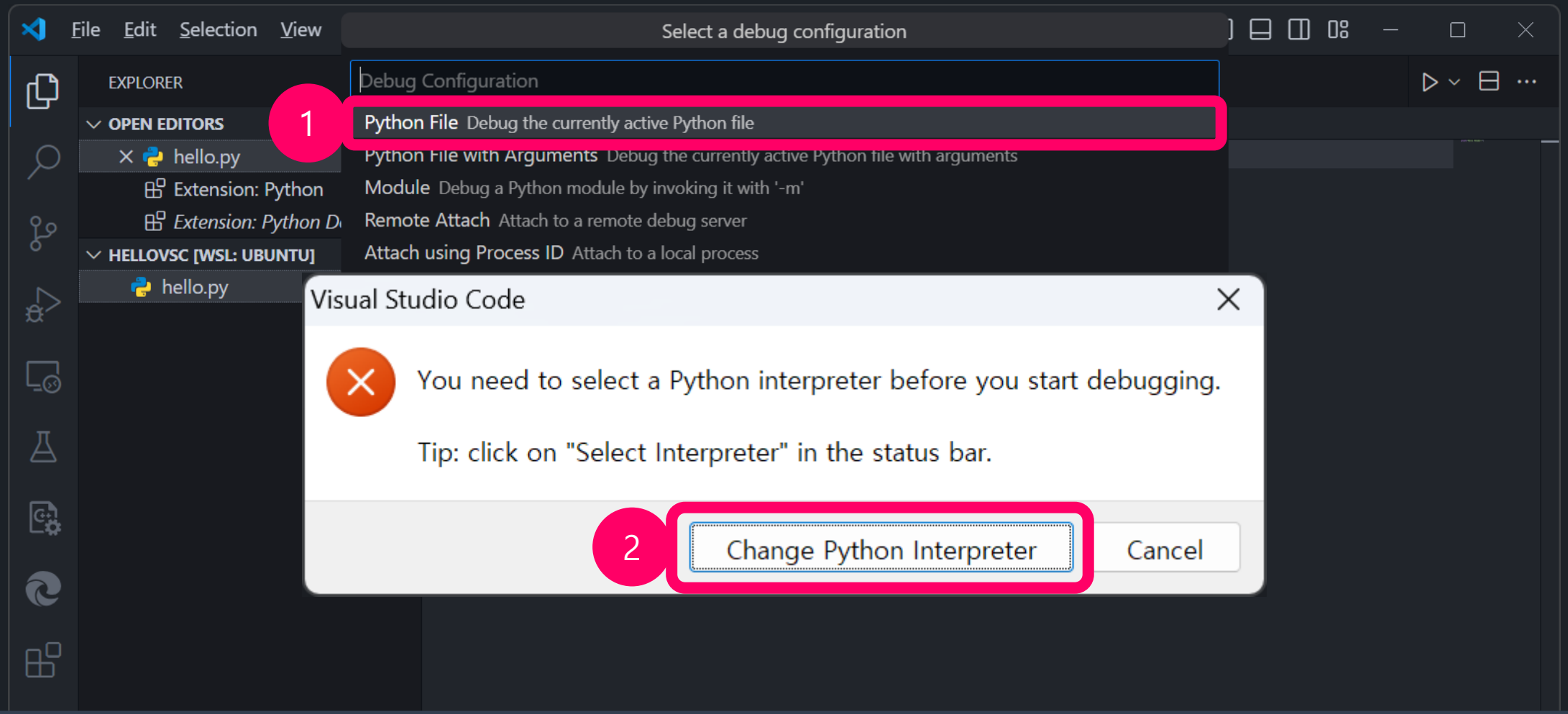
Python 확장 설치하기 (직접 설치)

Python 코드 실행해보기

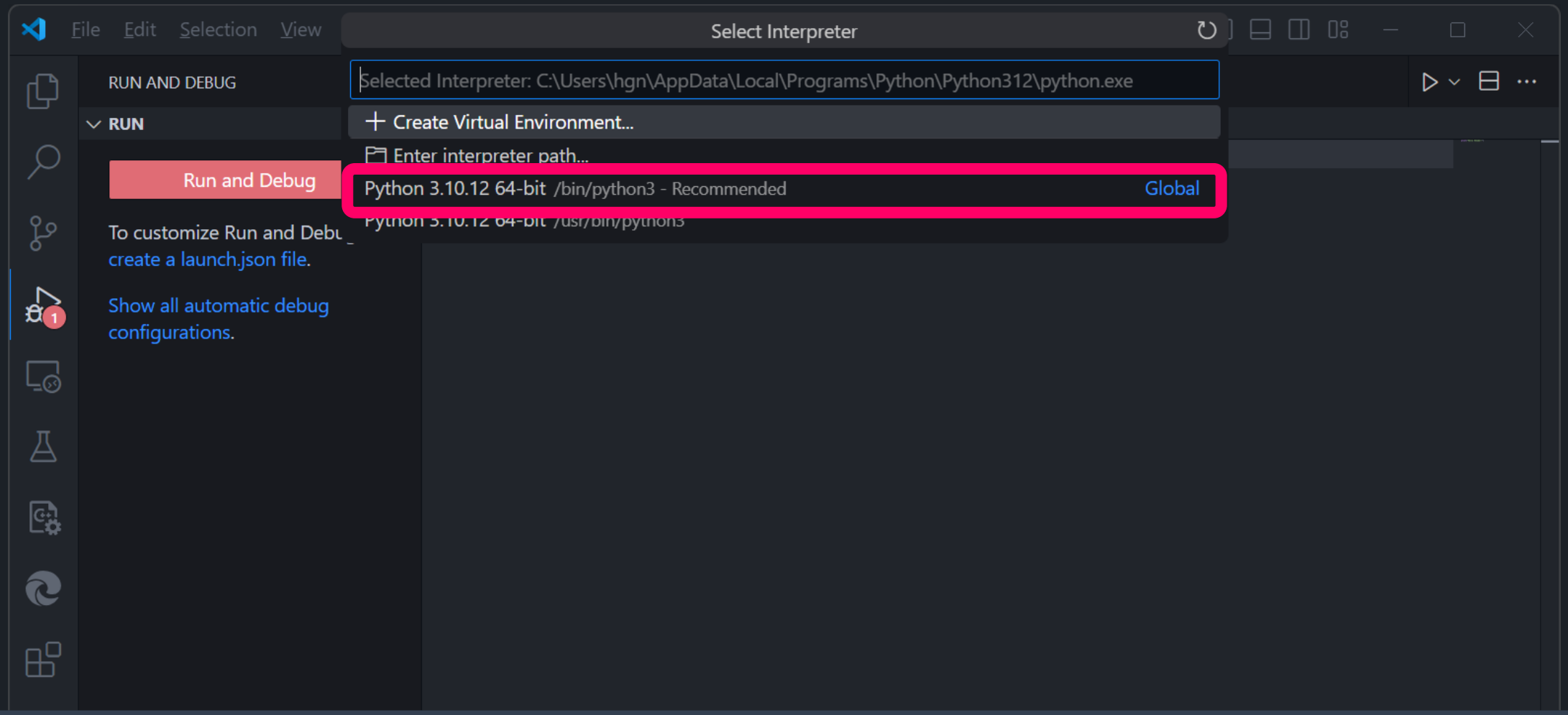
F5 키 또는 Run 버튼(▷) 누르기



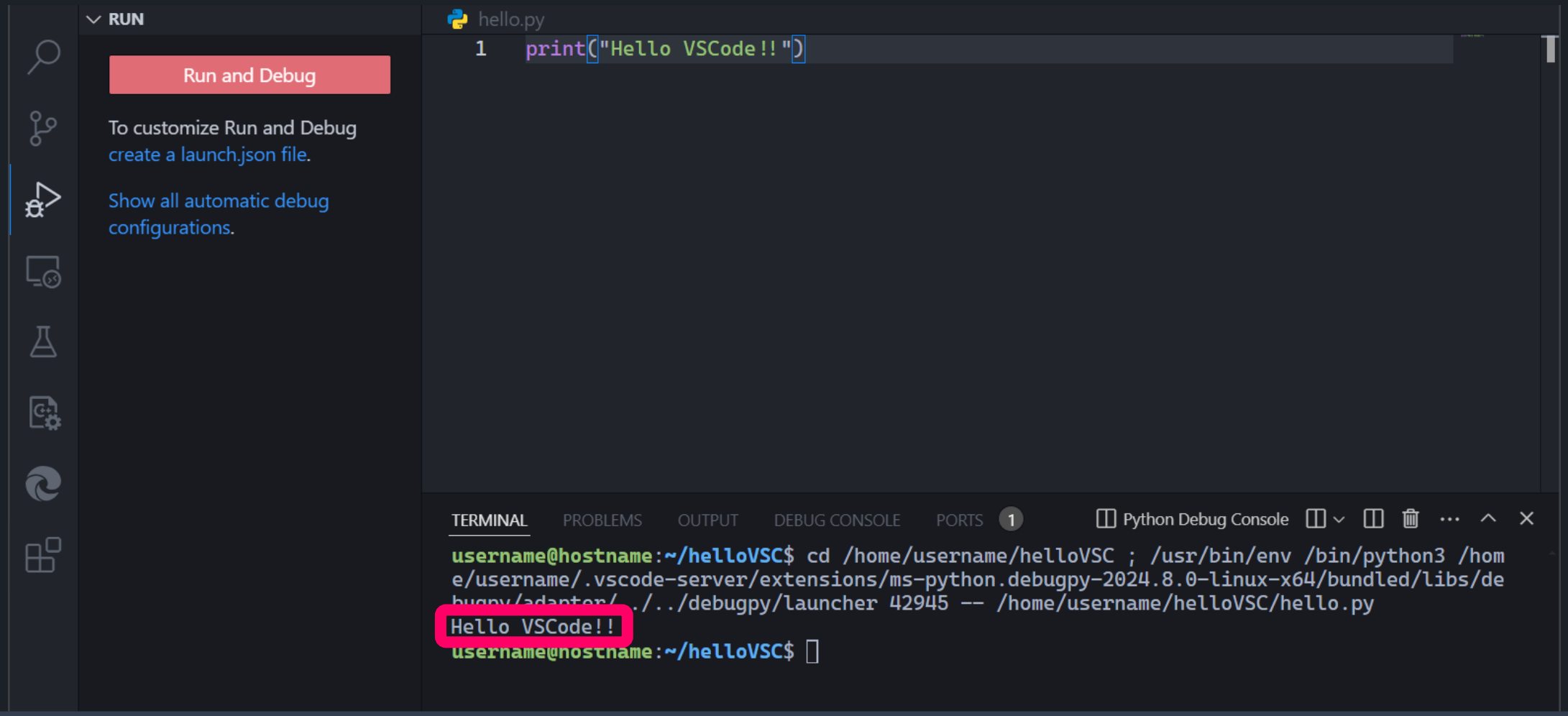
Python 코드 실행해보기



Python 코드 실행해보기

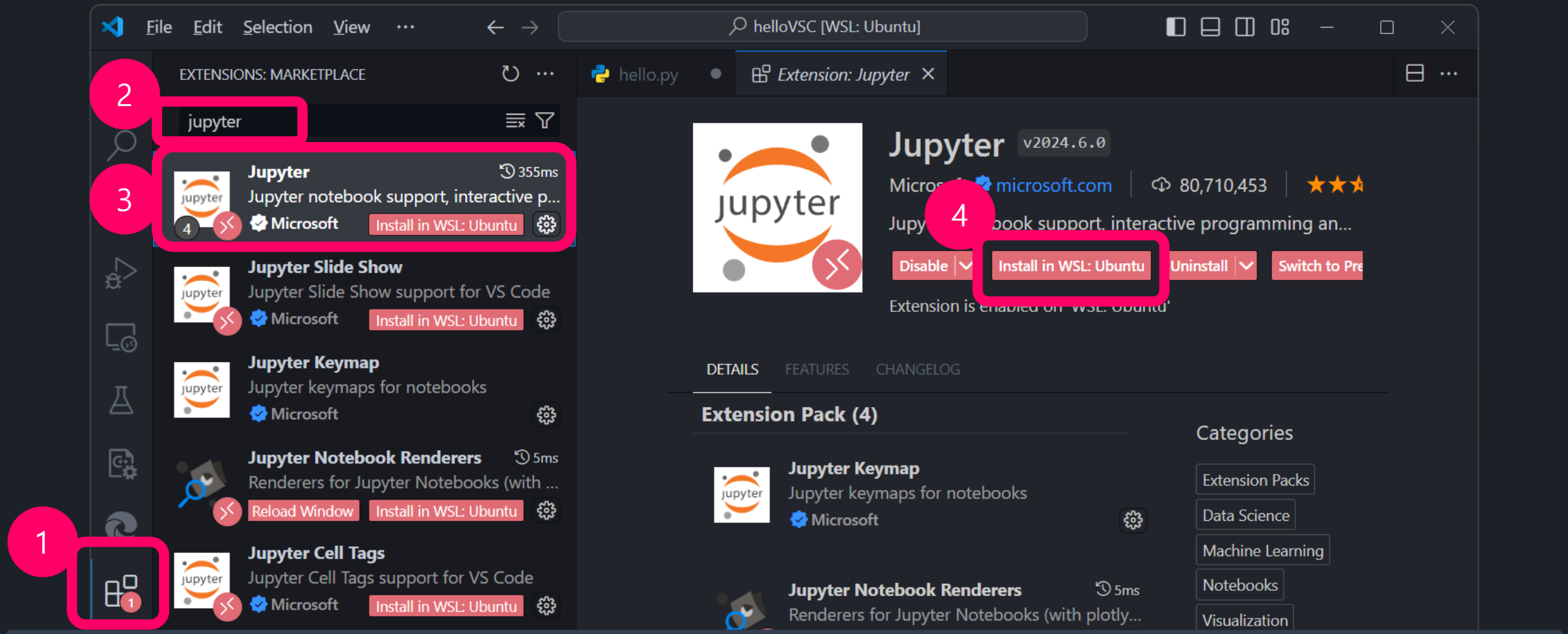


Python 코드 실행해보기

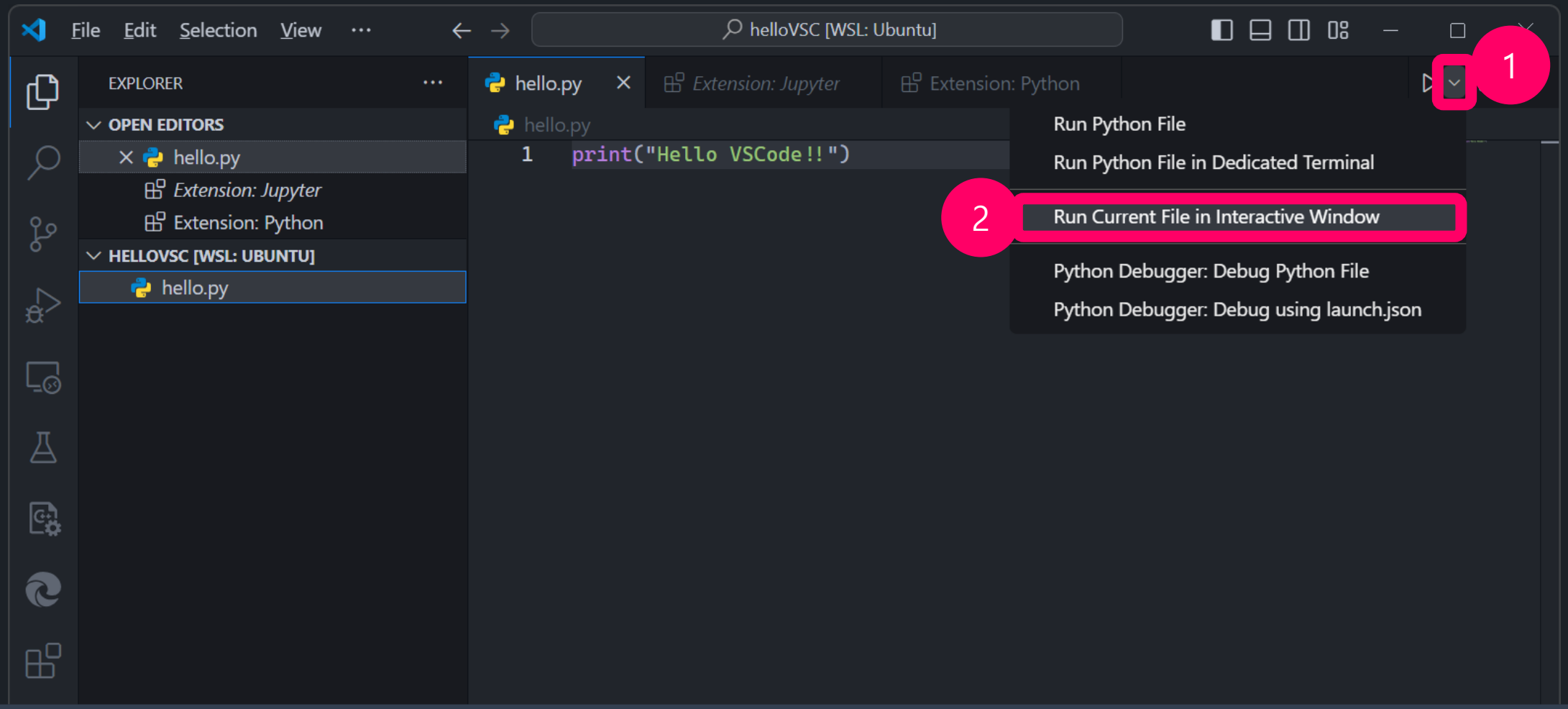


Jupyter 확장 설치

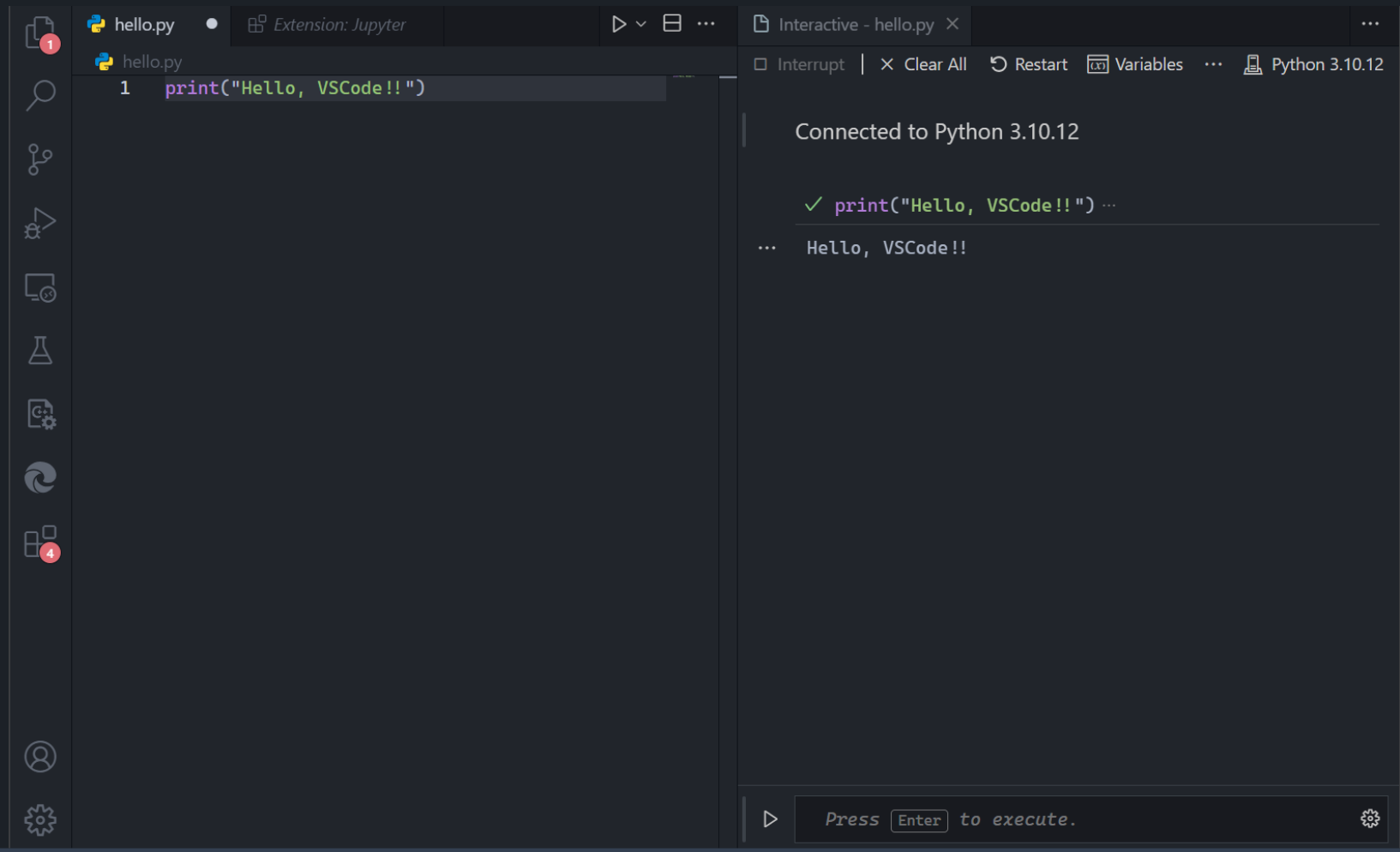
Jupyter 확장 설치하기



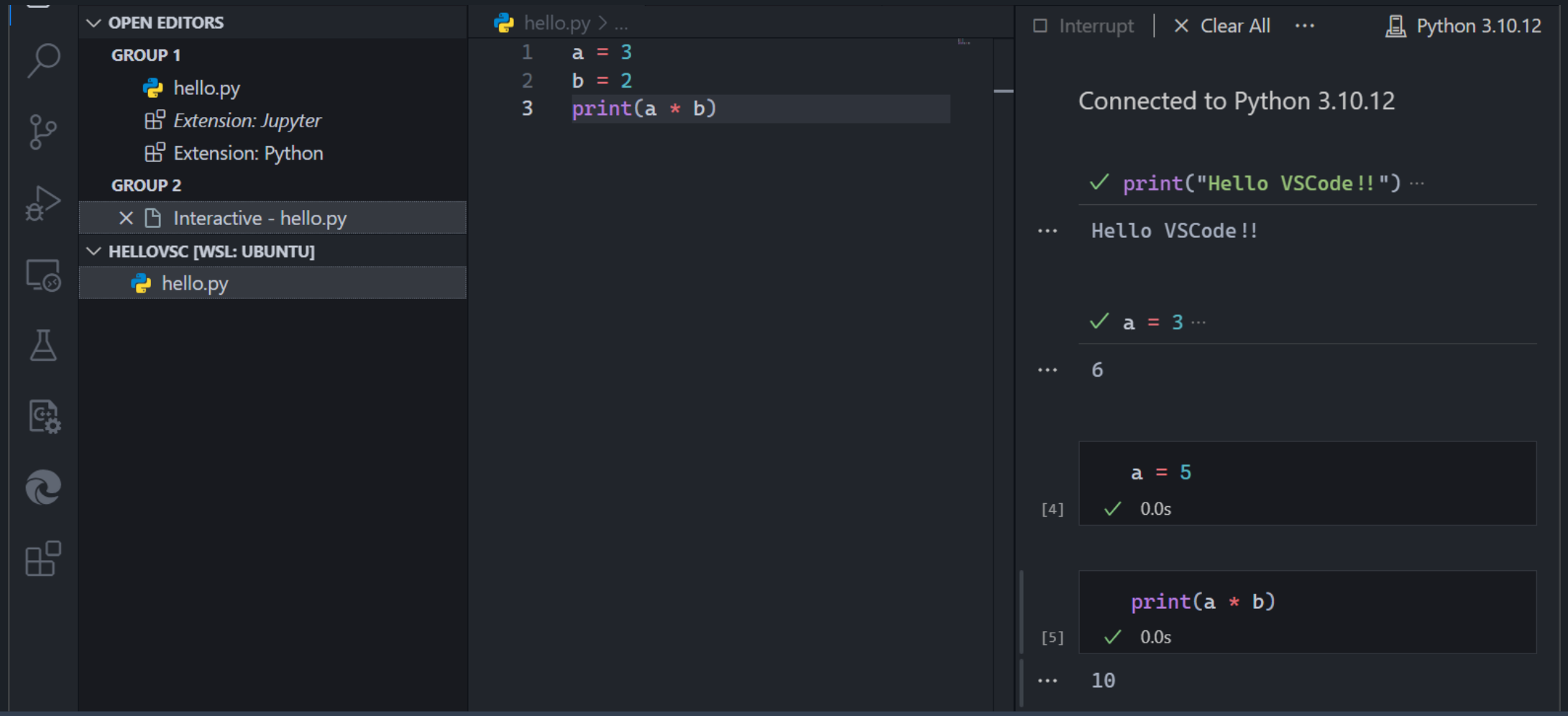
Interactive Window로 실행해보기



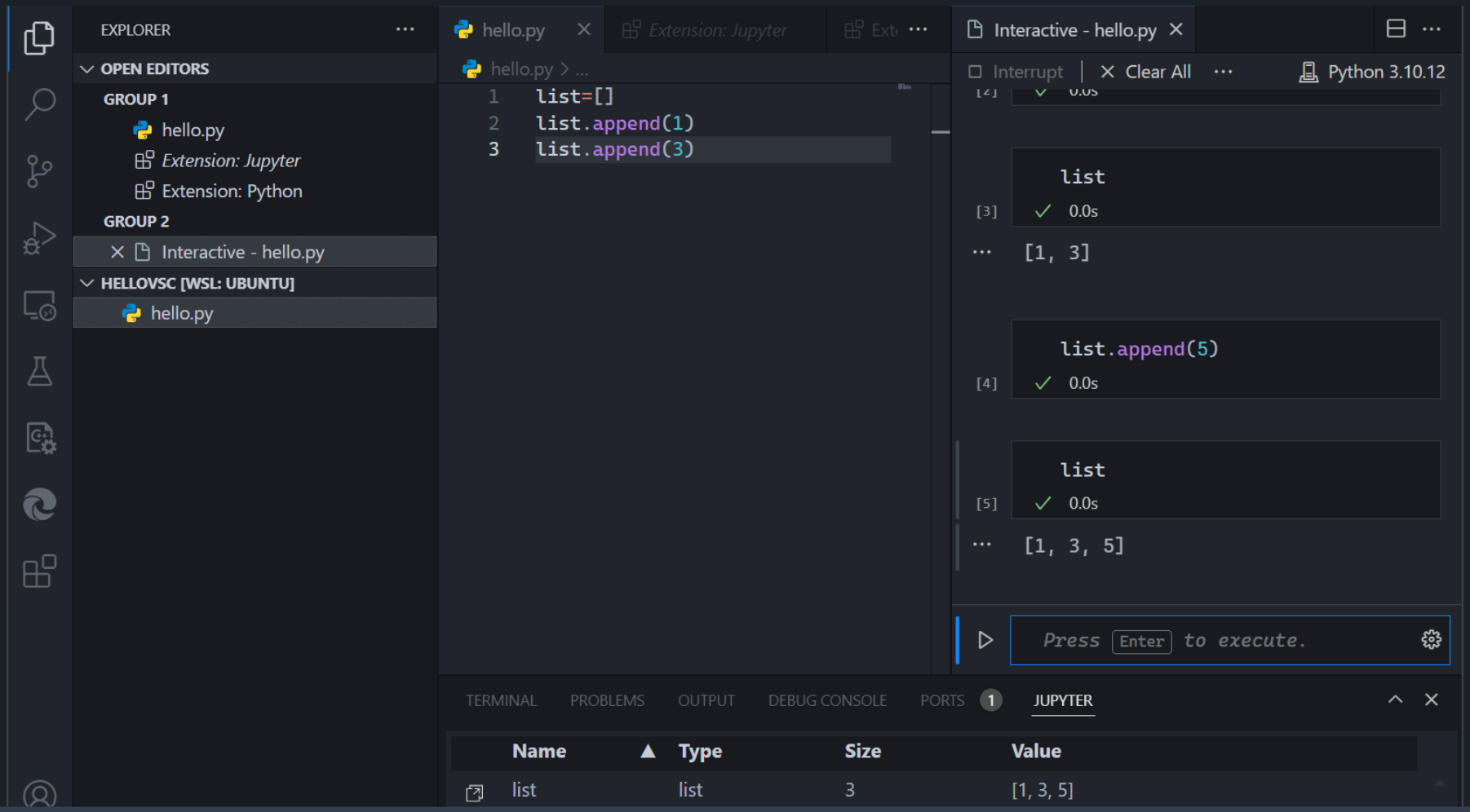
Interactive Window로 실행해보기



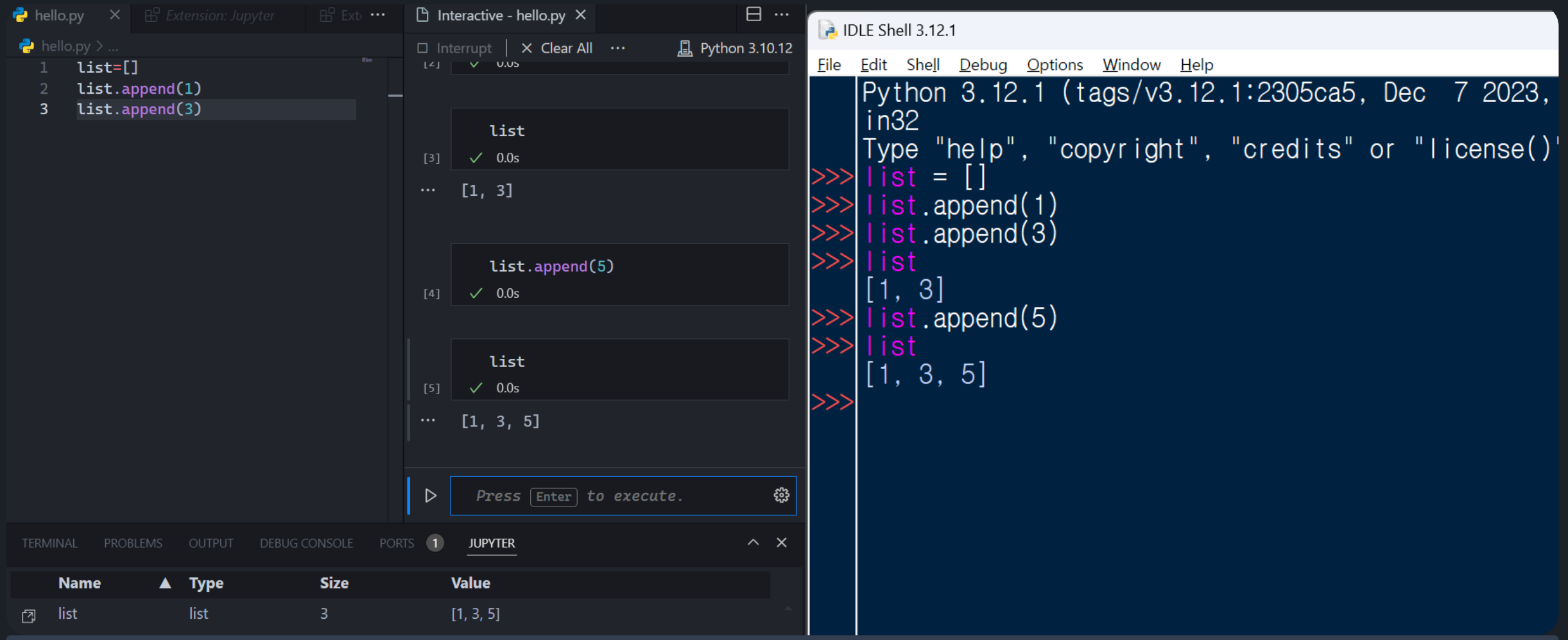
Interactive Window로 실행해보기 - 예시 1



Interactive Window로 실행해보기 - 예시 2

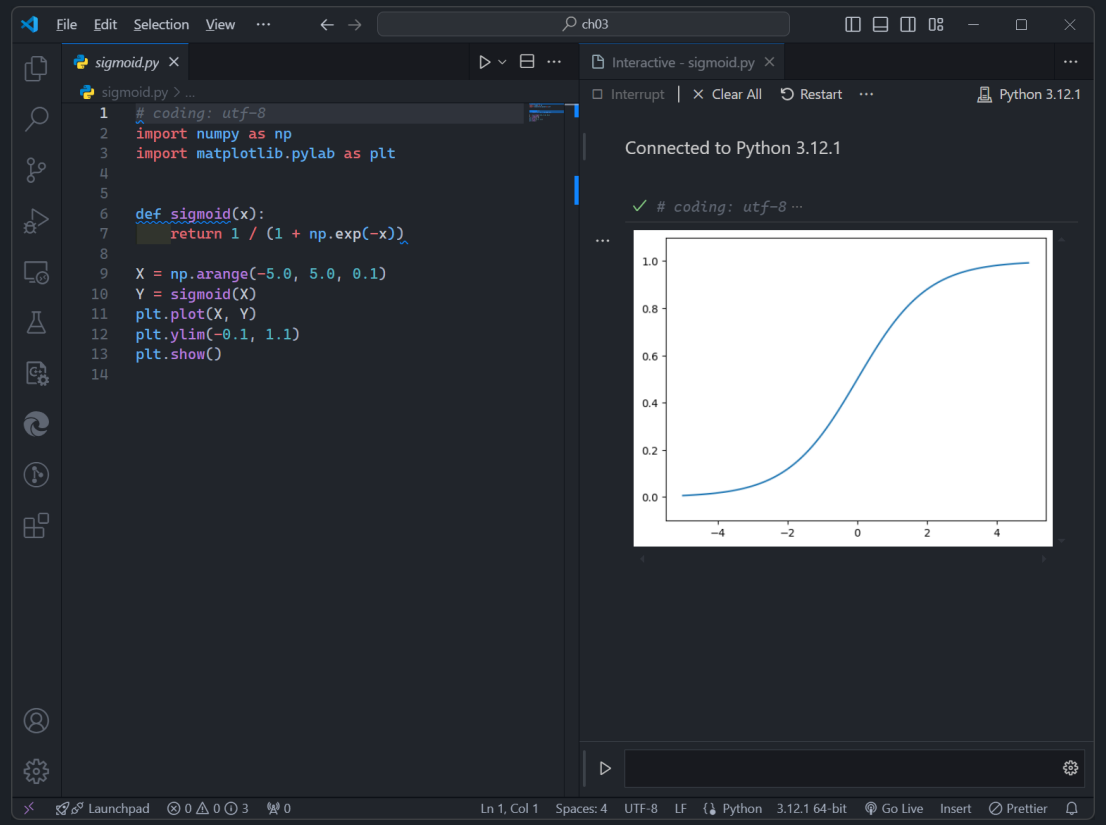


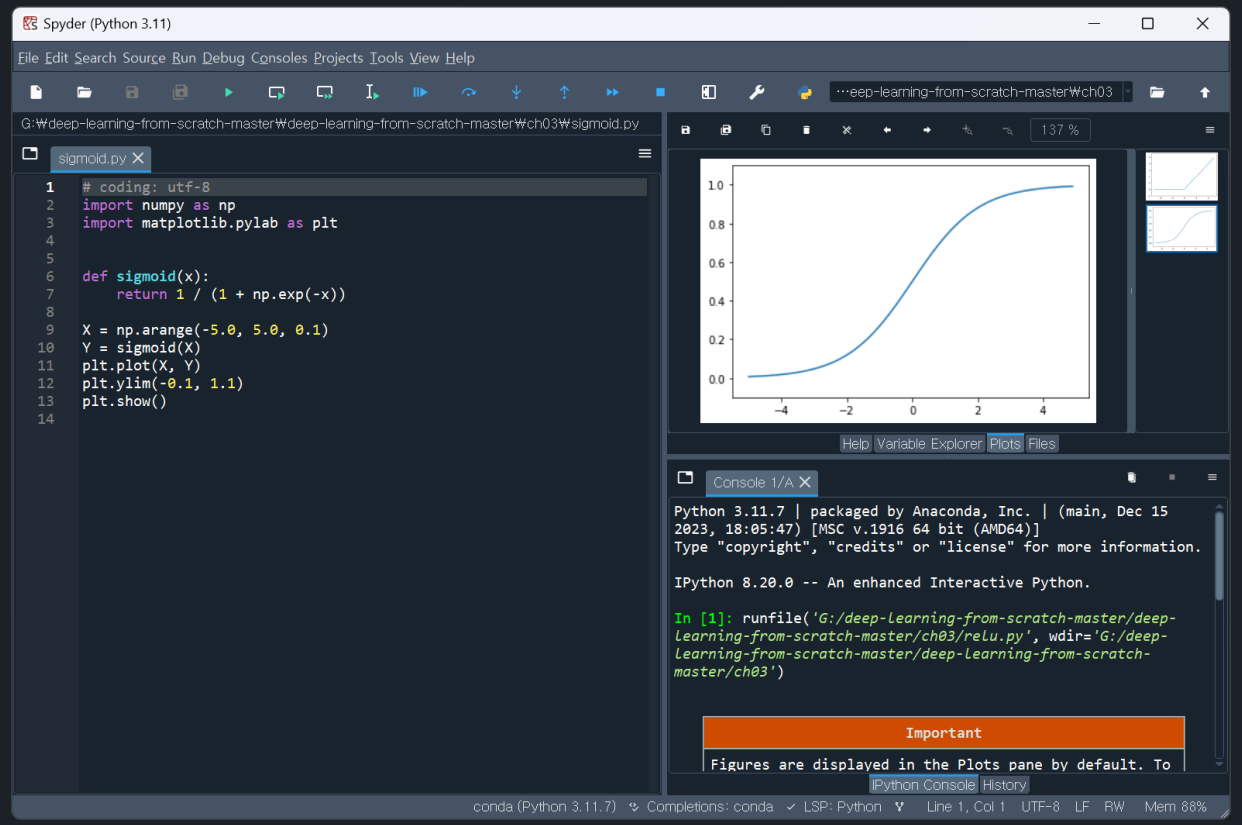
Interactive Window로 실행해보기 - 예시 2



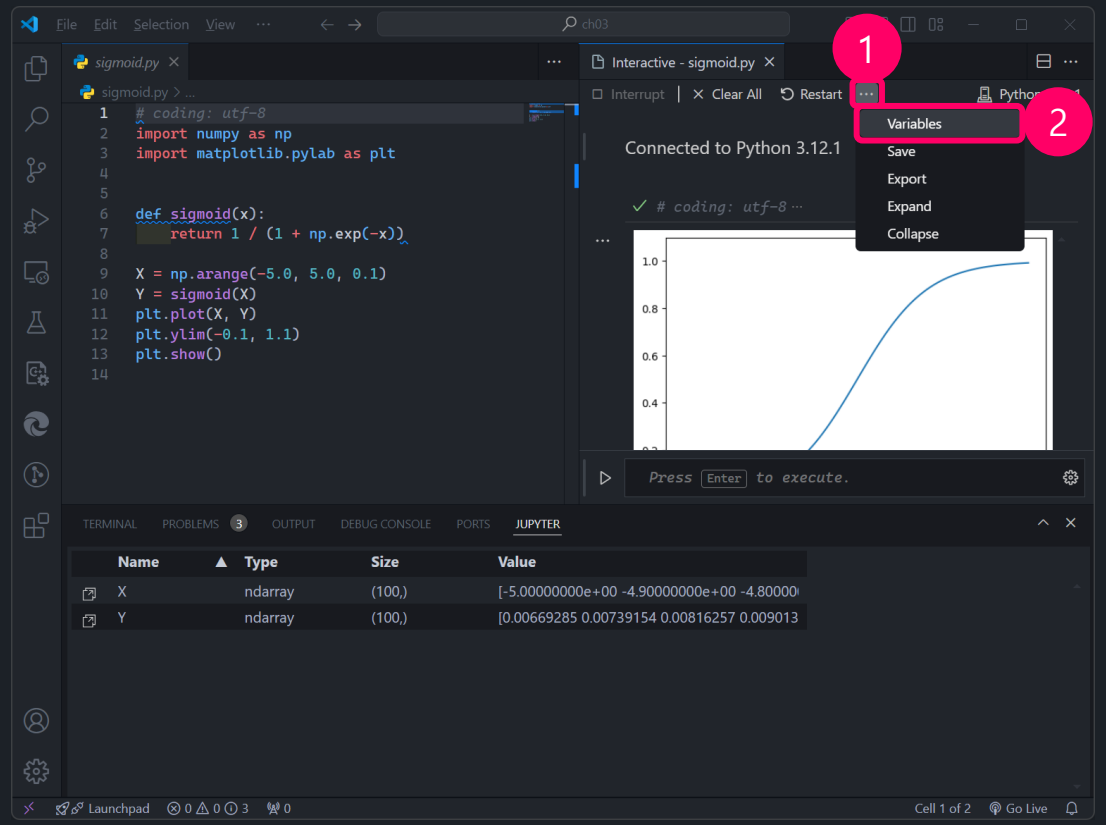
Interactive Window로 실행해보기 - 예시 3

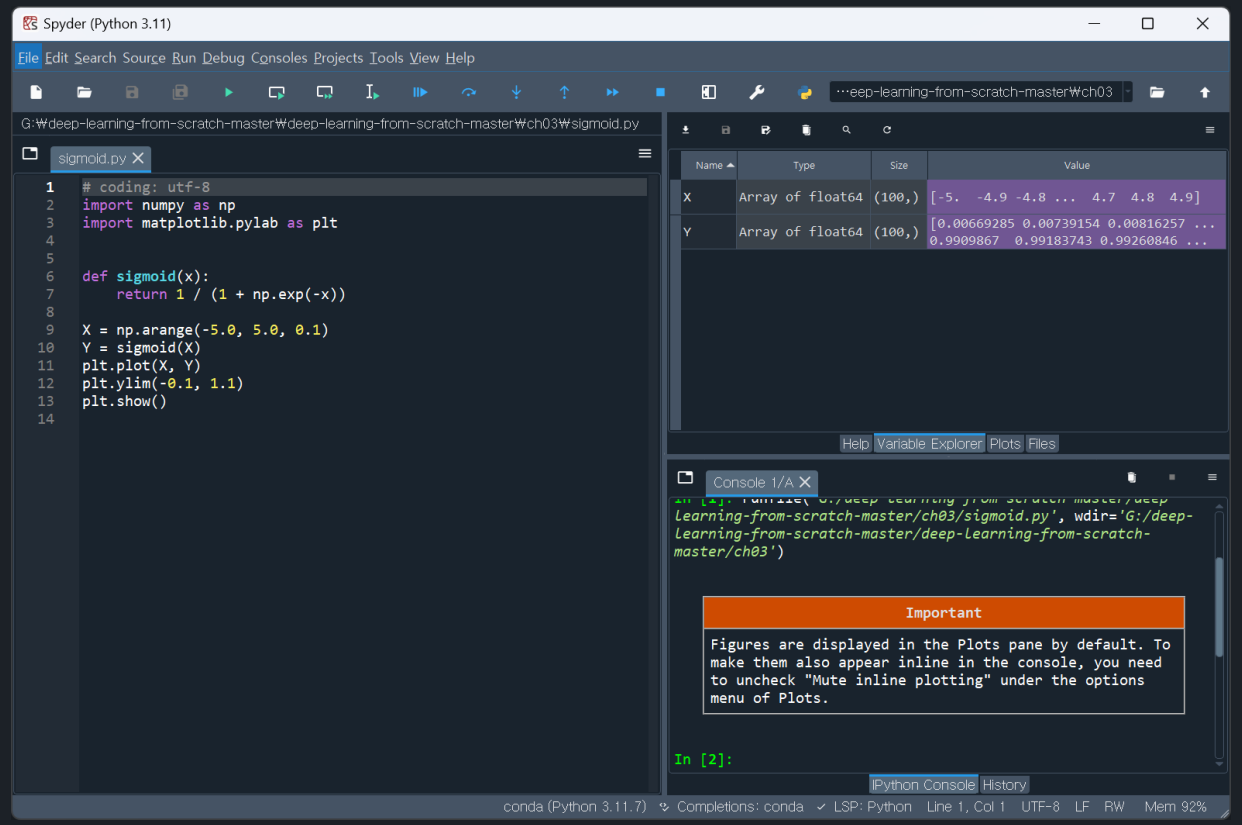
SOURCE: https://github.com/WegraLee/deep-learning-from-scratch/blob/master/ch03/sigmoid.py



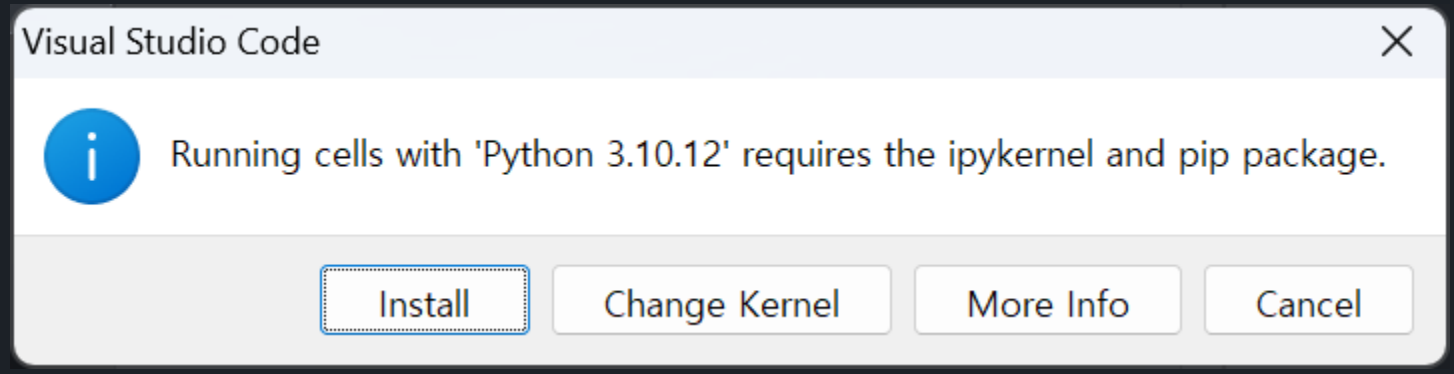


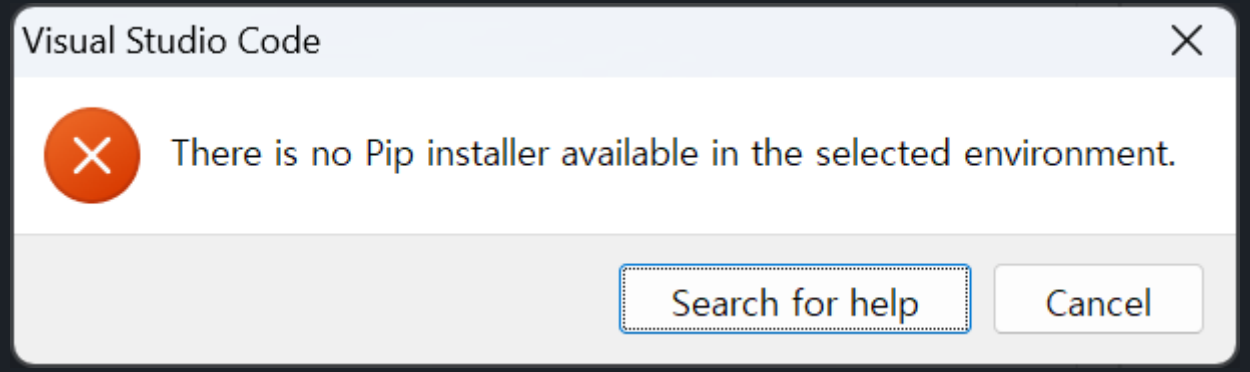
Interactive Window로 실행해보기 - 예시 3



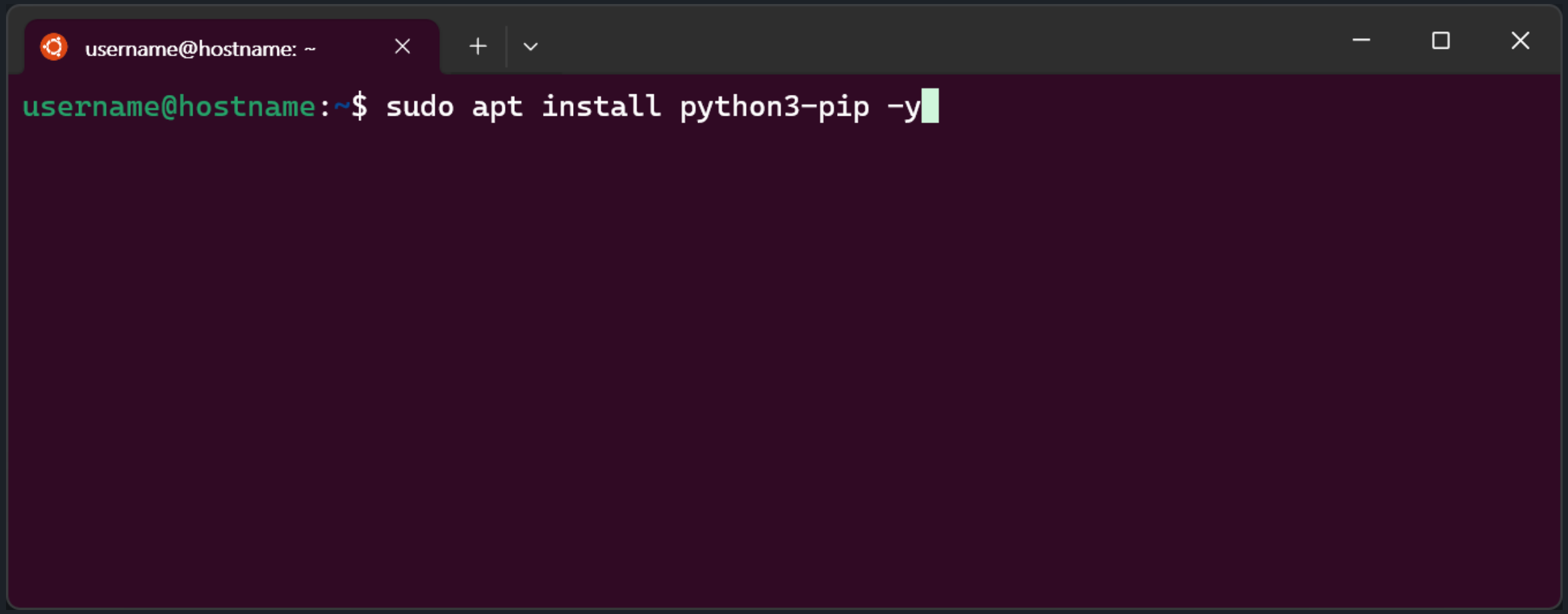


오류 해결 방법 → Pip 설치 필요

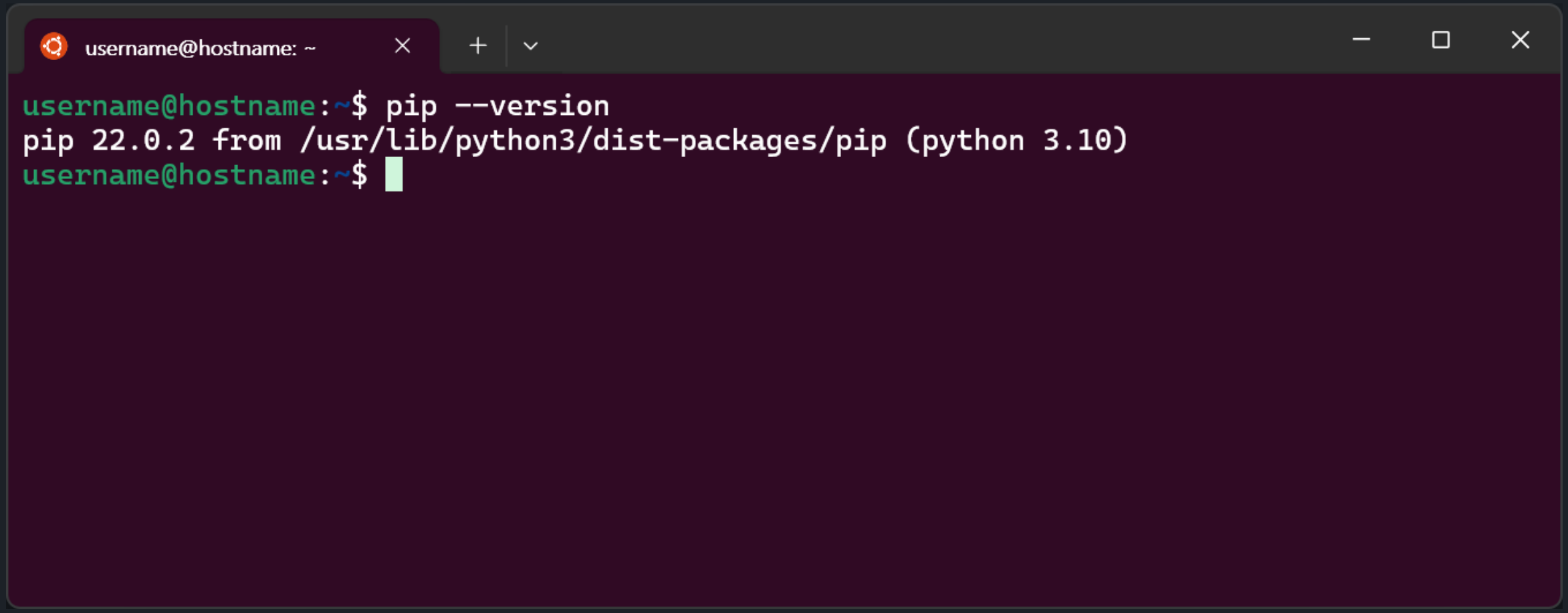




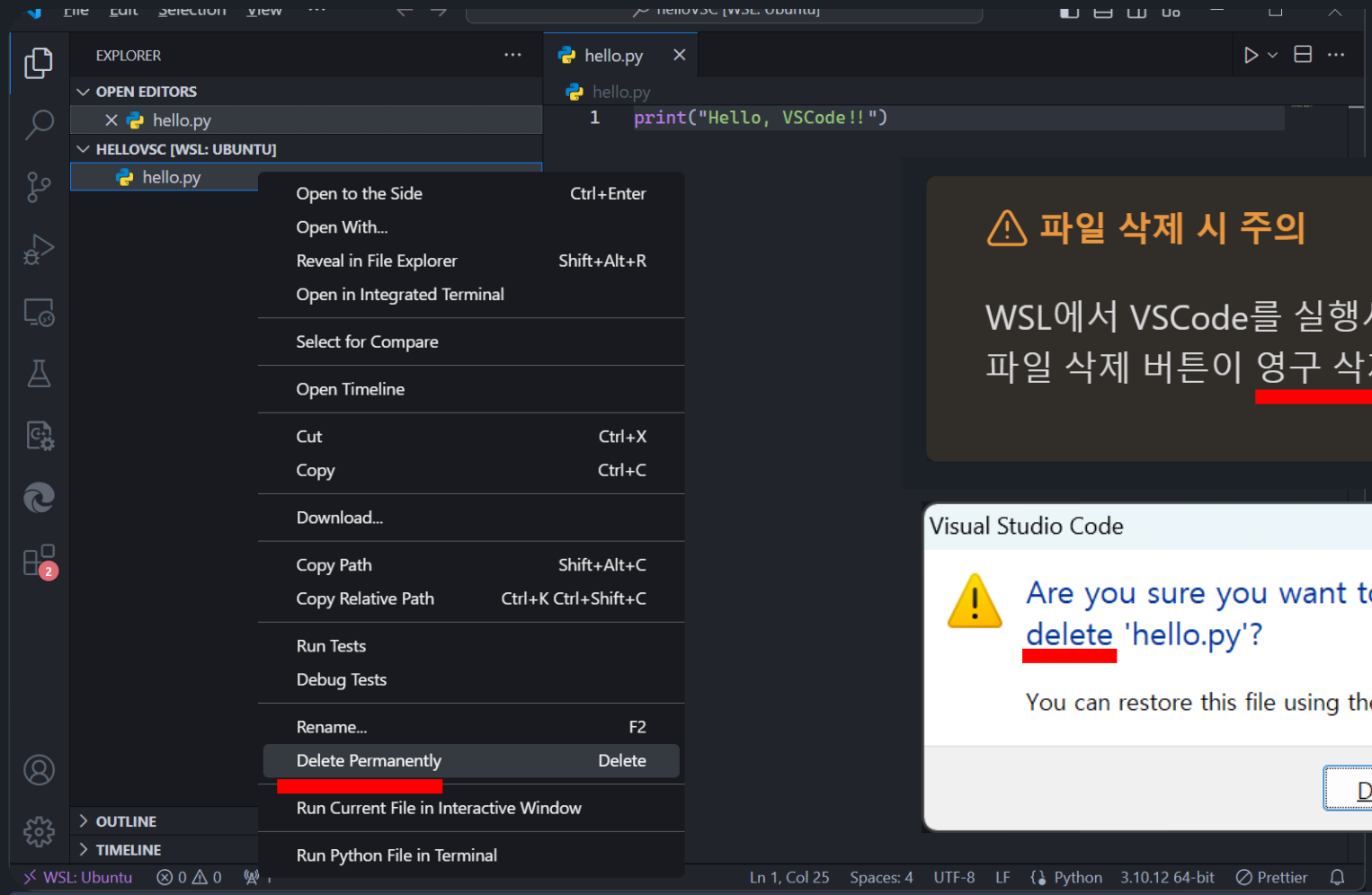
Pip 설치


username@hostname: ~
username@hostname:~$ sudo apt install python3-pip -y

Pip 설치 확인


username@hostname: ~
username@hostname:~$ pip --version
pip 22.0.2 from /usr/lib/python3/dist-packages/pip (python 3.10)
username@hostname:~$

파일 삭제 주의



⚠ 파일 삭제 시 주의

WSL에서 VSCode를 실행시키면 일종의 원격(Remote)상태로 실행됩니다.
파일 삭제 버튼이 영구 삭제(permanently delete)로 작동됩니다.

Q & A

참고 자료

- Python 개발을 위한 Visual Studio Code 설치 및 구성 - Training | Microsoft Learn (https://learn.microsoft.com/ko-kr/training/modules/python-install-vscode/)
- Working with Jupyter code cells in the Python Interactive window (https://code.visualstudio.com/docs/python/jupyter-support-py)

감사합니다