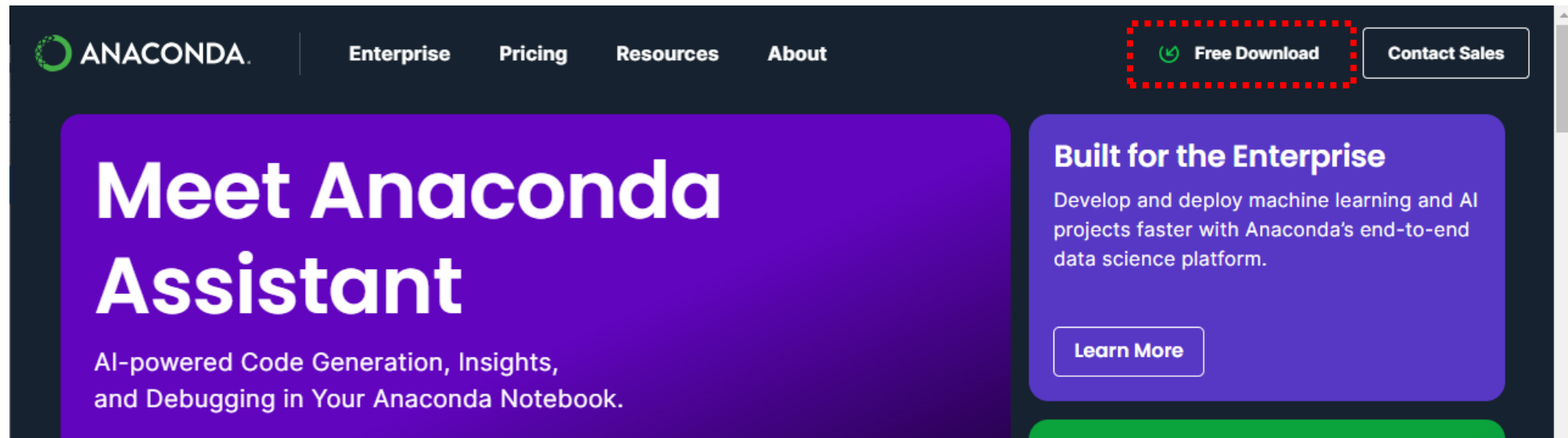


파이썬 개발 환경 구성

아나콘다

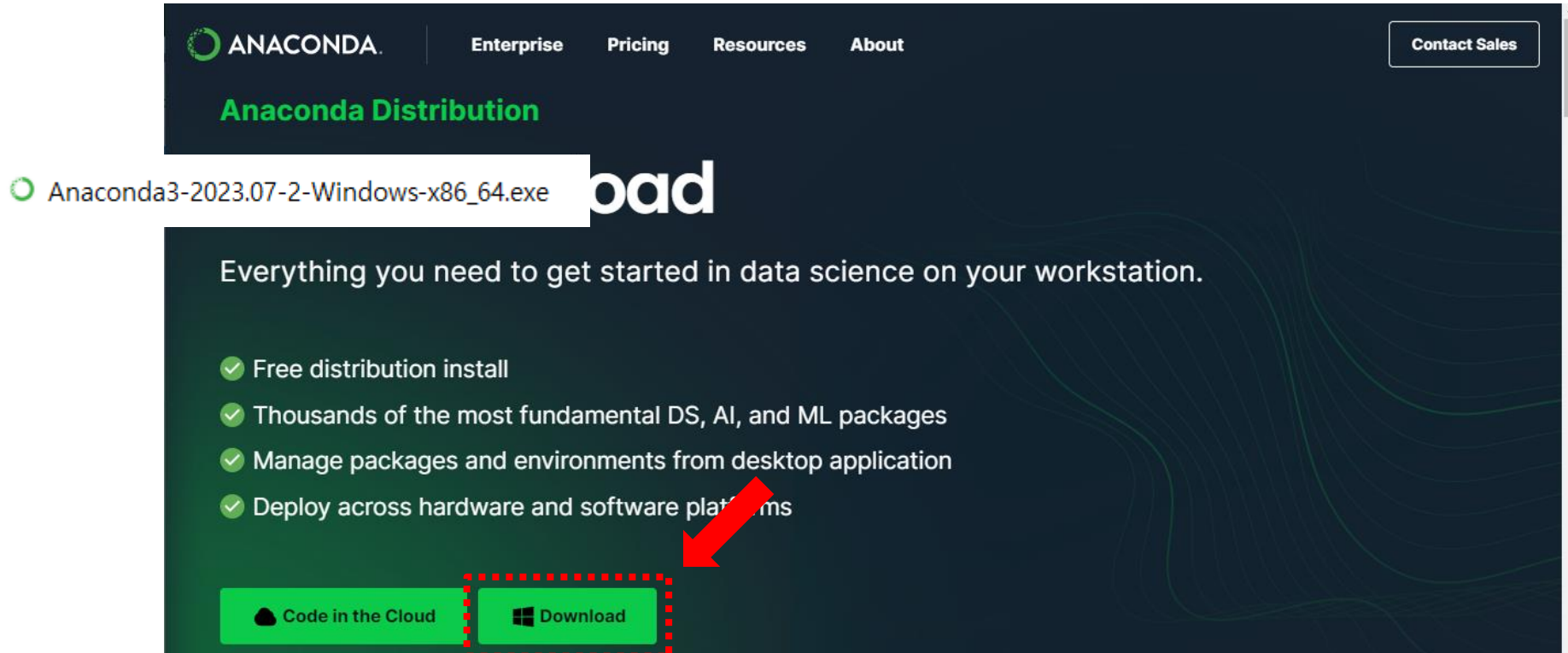
- 아나콘다(Anaconda) : 패키지 관리 및 배포 단순화를 목표로 하는 데이터 분석을 위한 Python 및 R 프로그래밍 언어 배포판
- 공식 사이트
 - <https://www.anaconda.com/>



아나콘다 다운로드

➤ 아나콘다 다운로드 링크

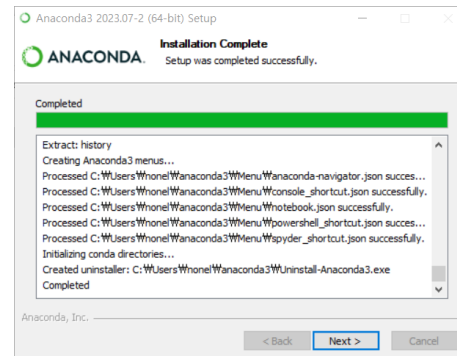
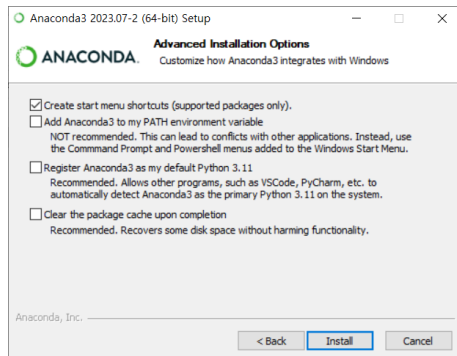
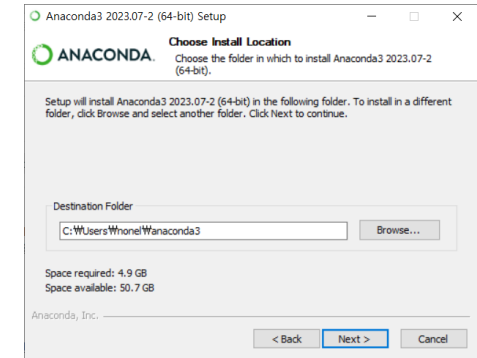
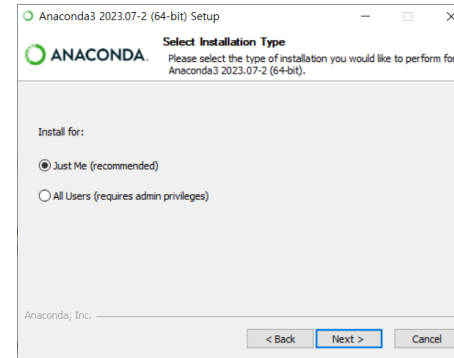
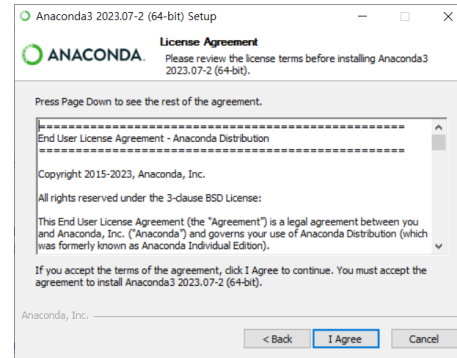
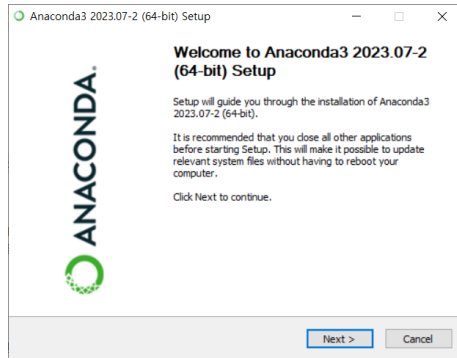
- <https://www.anaconda.com/download>



아나콘다 설치

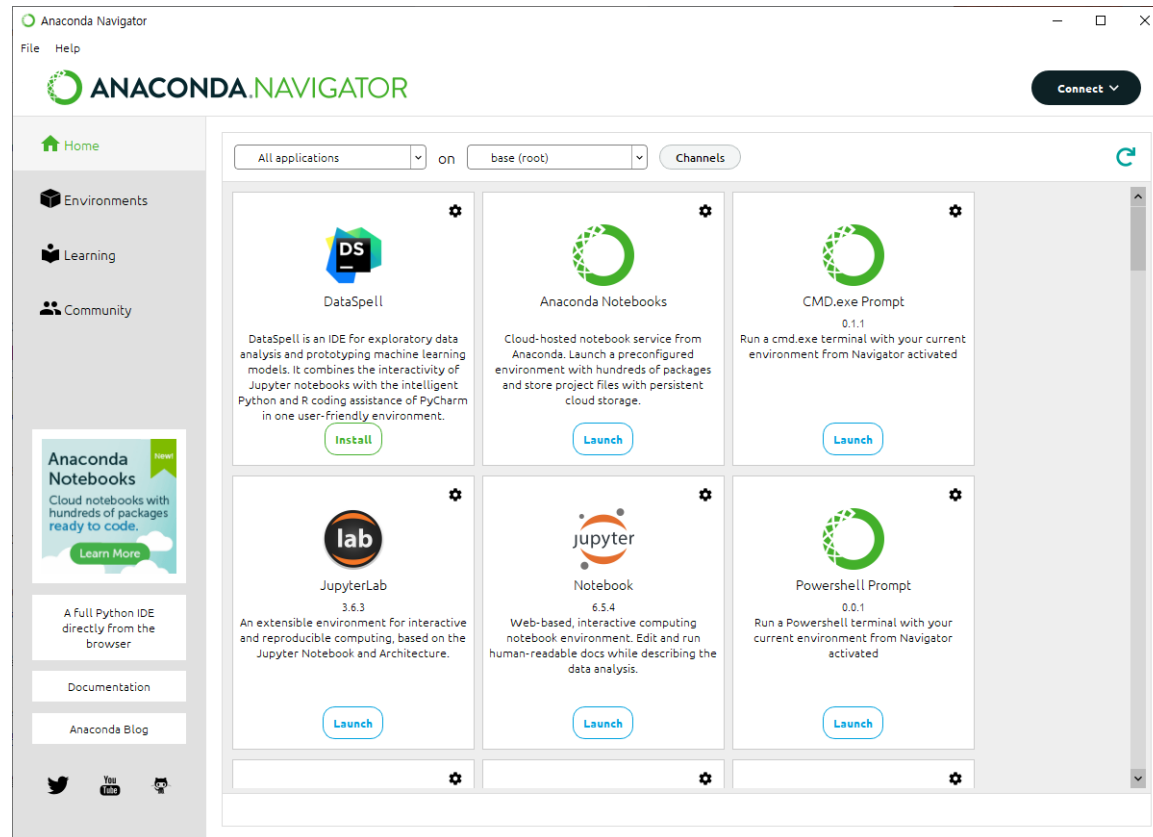
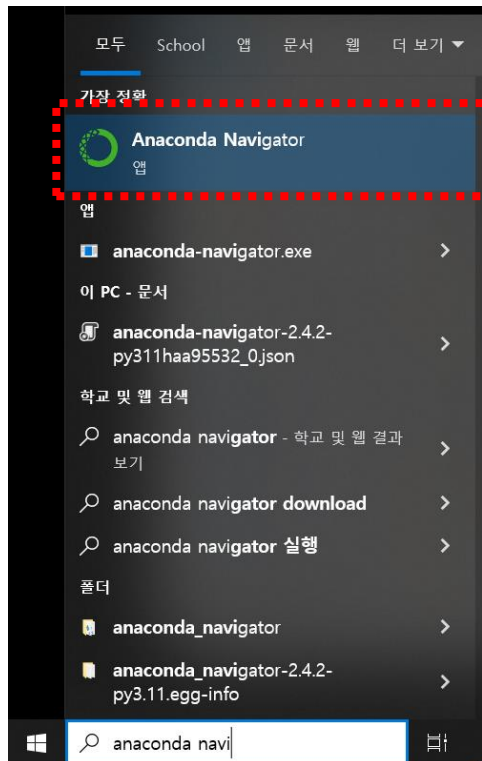
➤ 아나콘다 설치 파일 실행

🟢 Anaconda3-2023.07-2-Windows-x86_64.exe



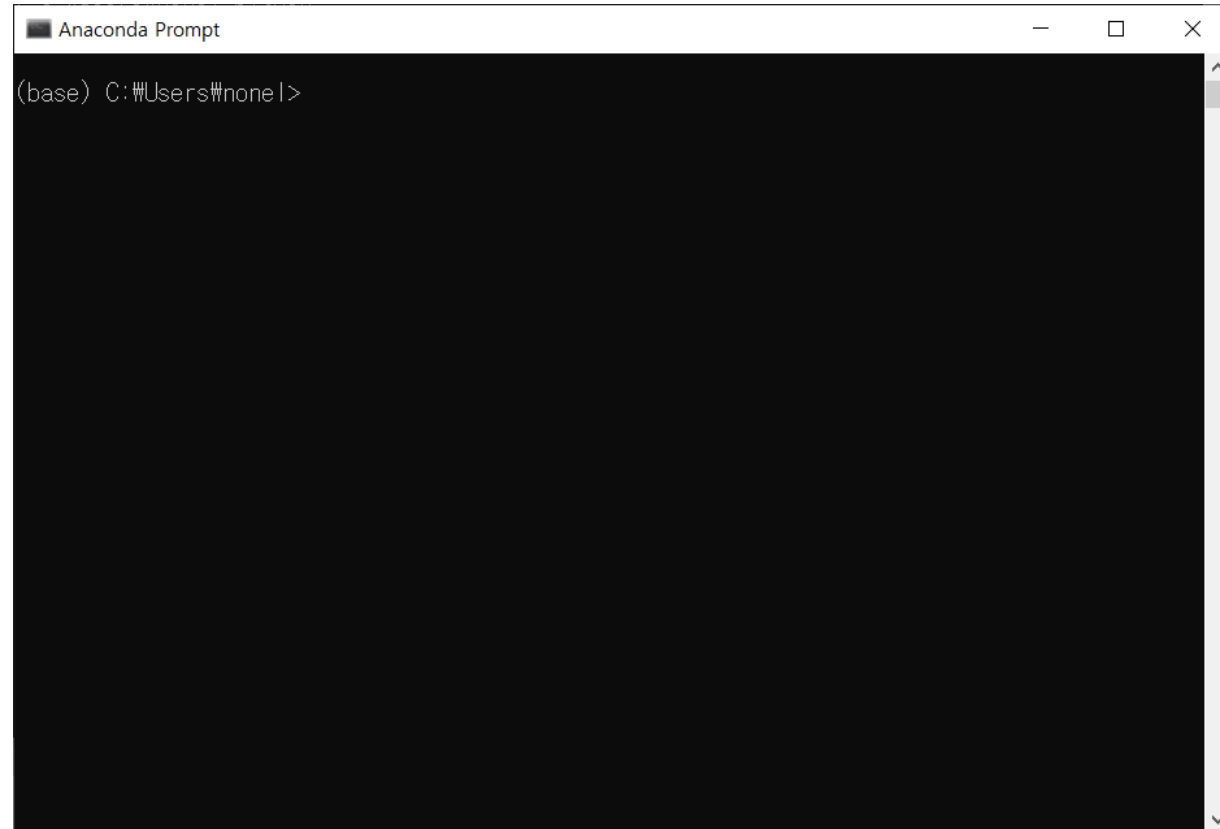
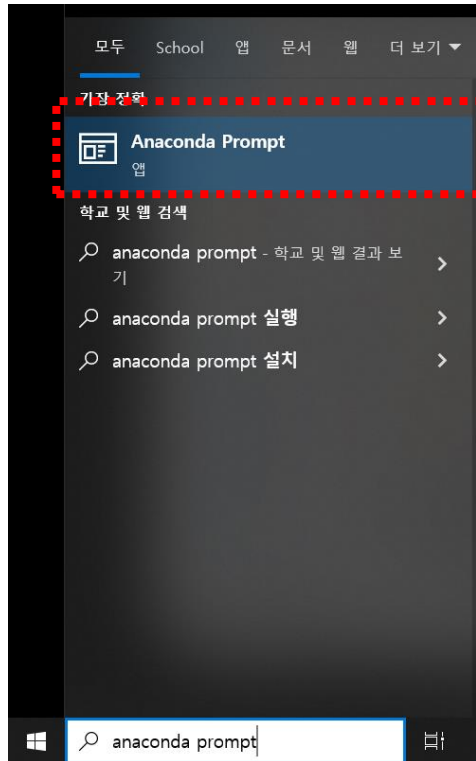
아나콘다 네비게이터 실행

➤ 아나콘다 네비게이터 실행 : 윈도우 키(Windows) – anaconda navigator 검색



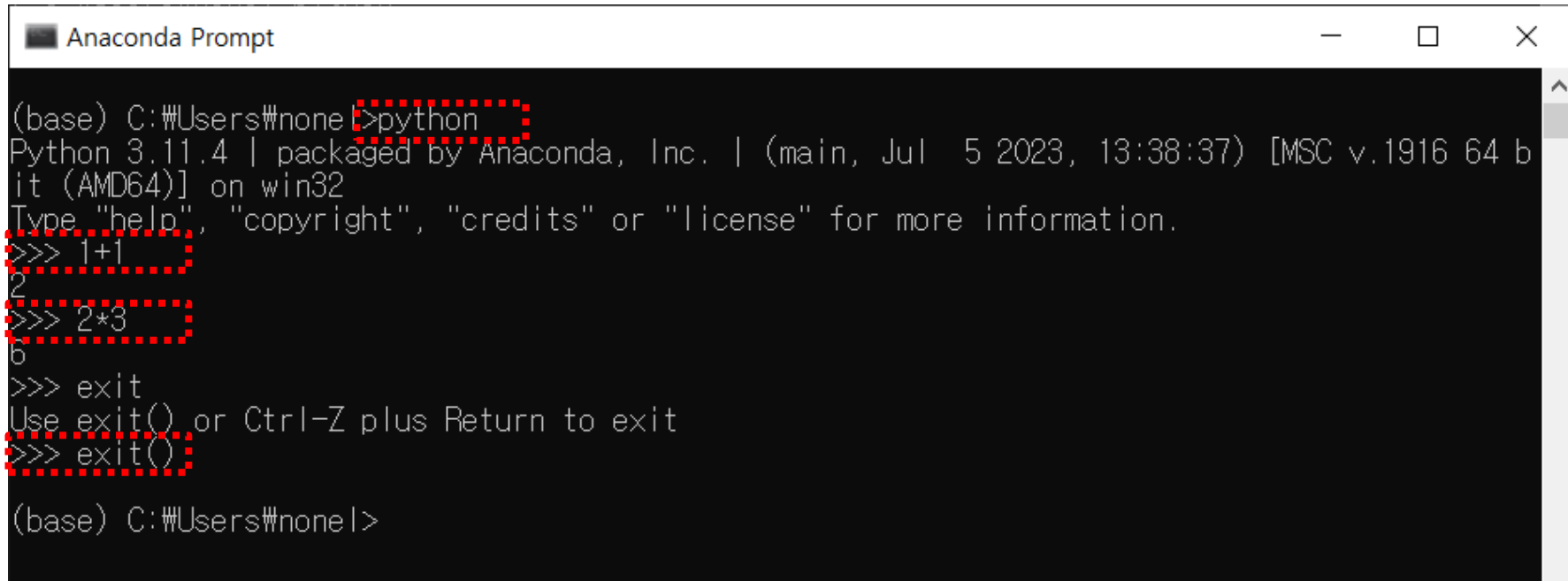
아나콘다 프롬프트 실행

➤ 아나콘다 프롬프트 실행 : 윈도우 키(Windows) – anaconda prompt 검색



파이썬 실행

- 파이썬 실행 : Anaconda prompt 에서 python 입력 및 실행
- 파이썬 실행 후 1+1 및 2*3 실행

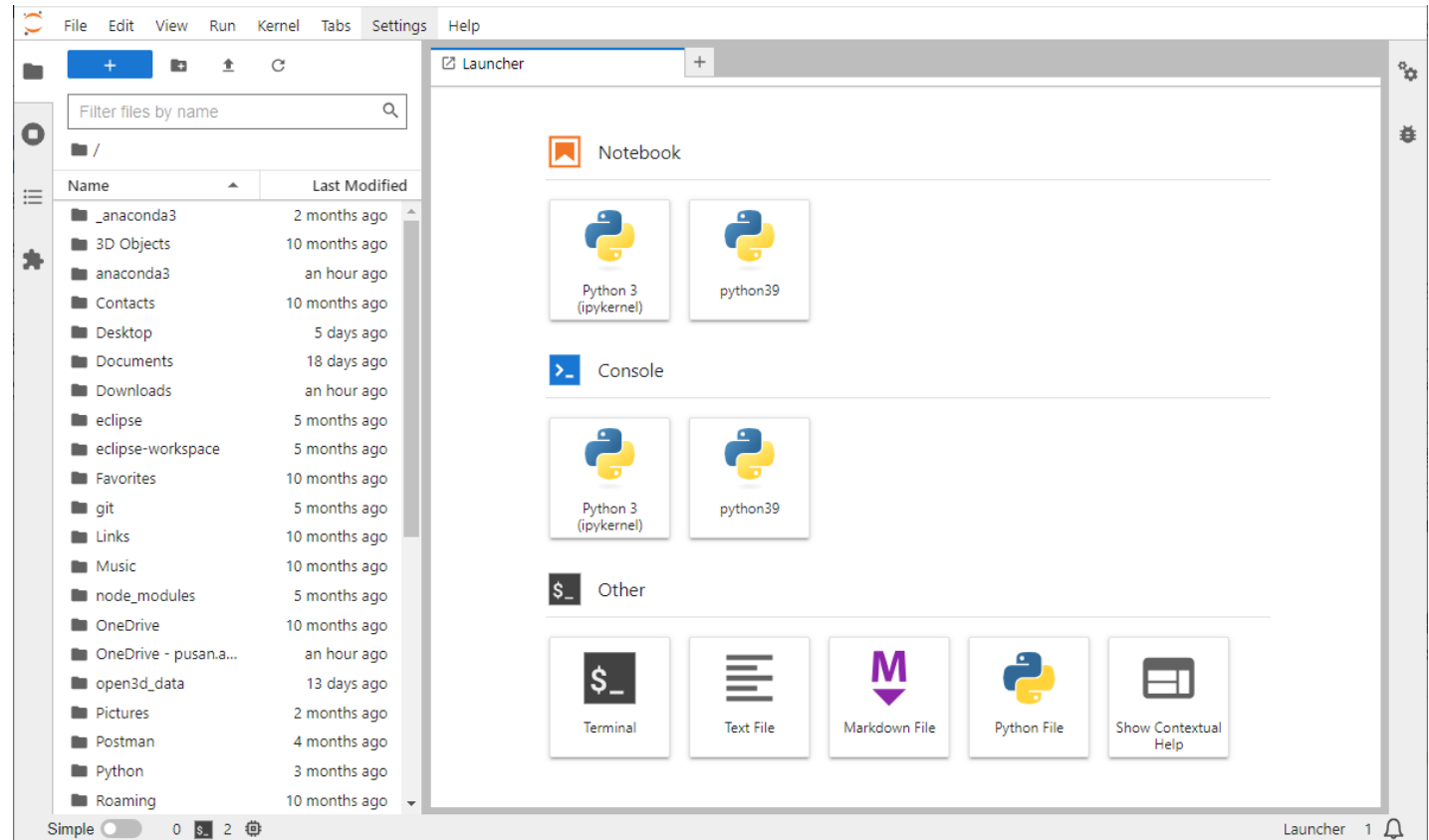
A screenshot of the Anaconda Prompt window. The title bar reads "Anaconda Prompt". The command prompt shows the user entering "python" at the "(base) C:\Users\#none" prompt. The output shows the Python 3.11.4 startup screen, including the version, packaging information, and architecture. The user then enters "1+1" and "2*3" at the ">>>" prompt, with the outputs "2" and "6" respectively. Finally, the user enters "exit()" and the prompt returns to the "(base) C:\Users\#none" level.

```
(base) C:\Users\#none>python
Python 3.11.4 | packaged by Anaconda, Inc. | (main, Jul 5 2023, 13:38:37) [MSC v.1916 64 b
it (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> 1+1
2
>>> 2*3
6
>>> exit
Use exit() or Ctrl-Z plus Return to exit
>>> exit()
(base) C:\Users\#none>
```

주피터 랩 실행

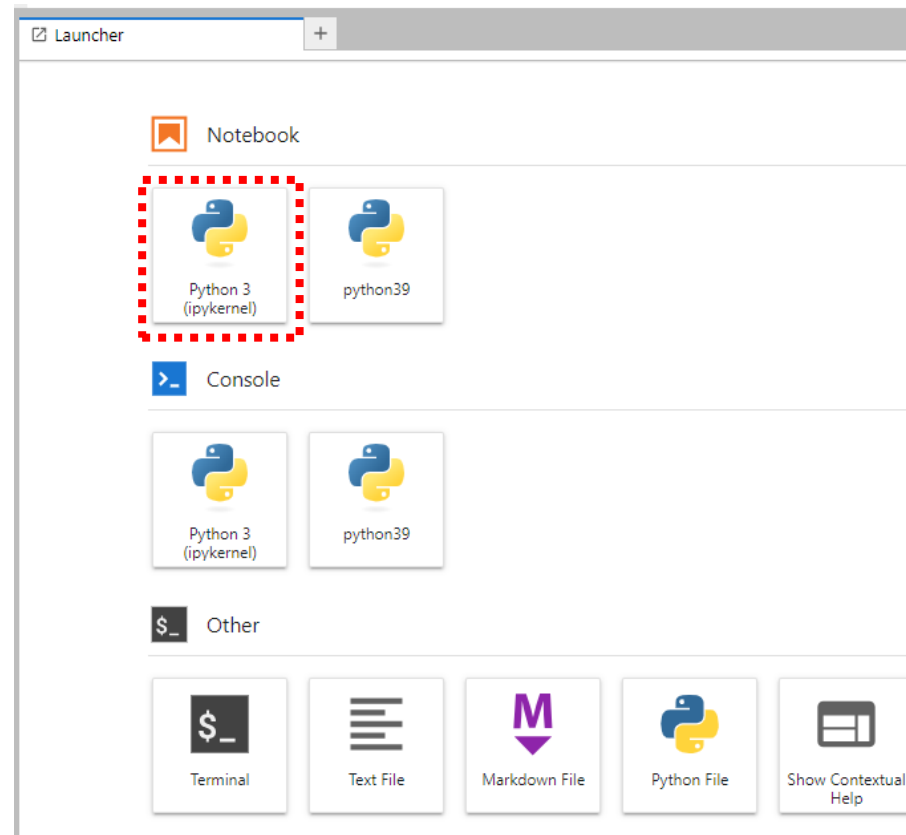
➤ 주피터 랩 실행 : Anaconda prompt 에서 jupyter lab 입력 및 실행

```
Anaconda Prompt
(base) C:\Users\none>jupyter lab
```



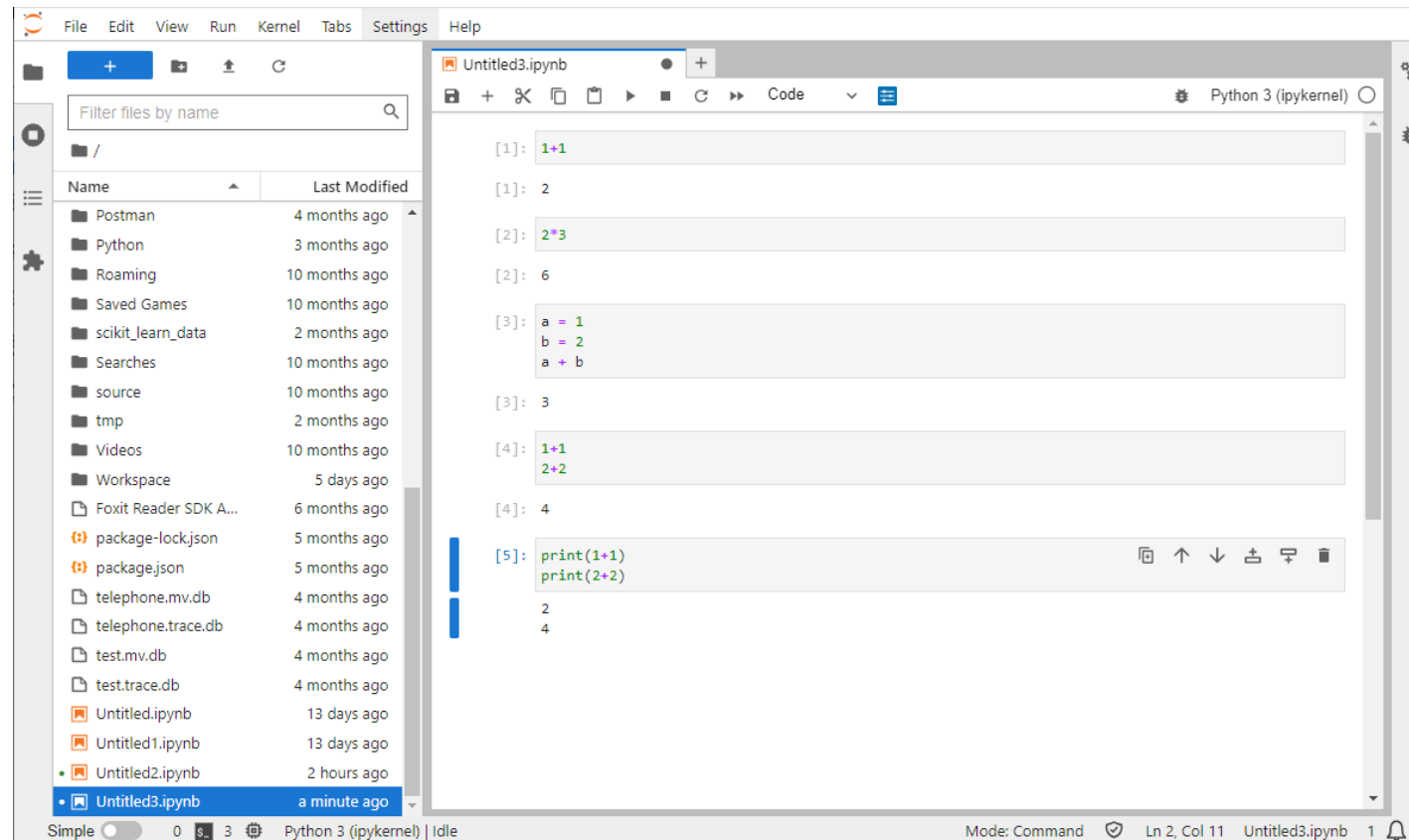
주피터 노트북 실행

- 주피터 노트북 실행 : Jupyter lab 에서 Notebook – Python 3 (ipykernel) 실행



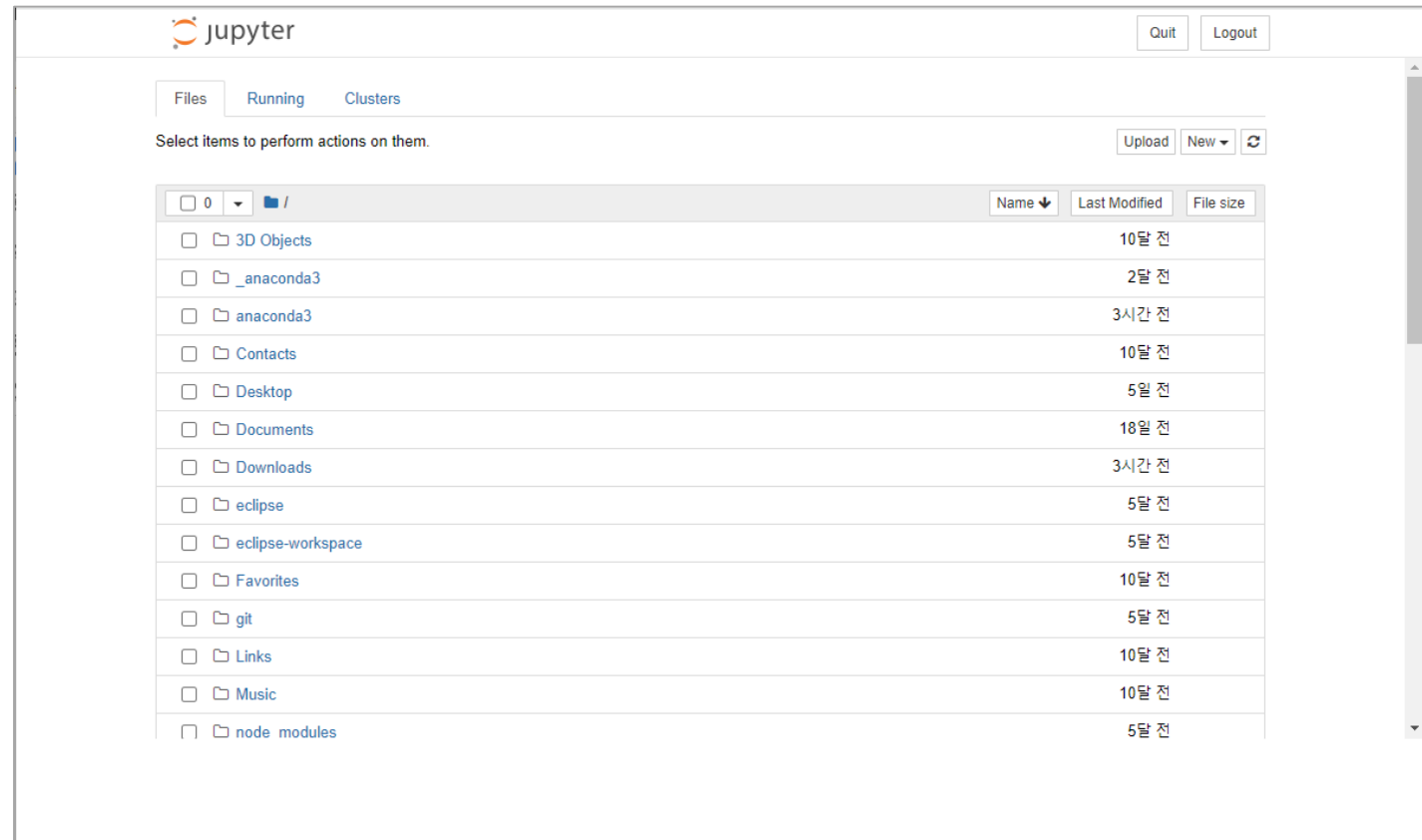
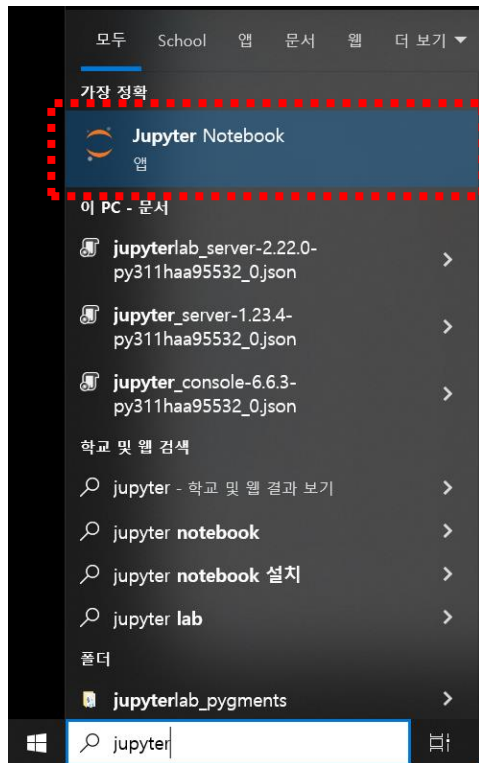
프로그래밍 테스트

- 코드 입력 및 실행 : 셀 클릭 후 코드 입력 및 실행(Shift + Enter)



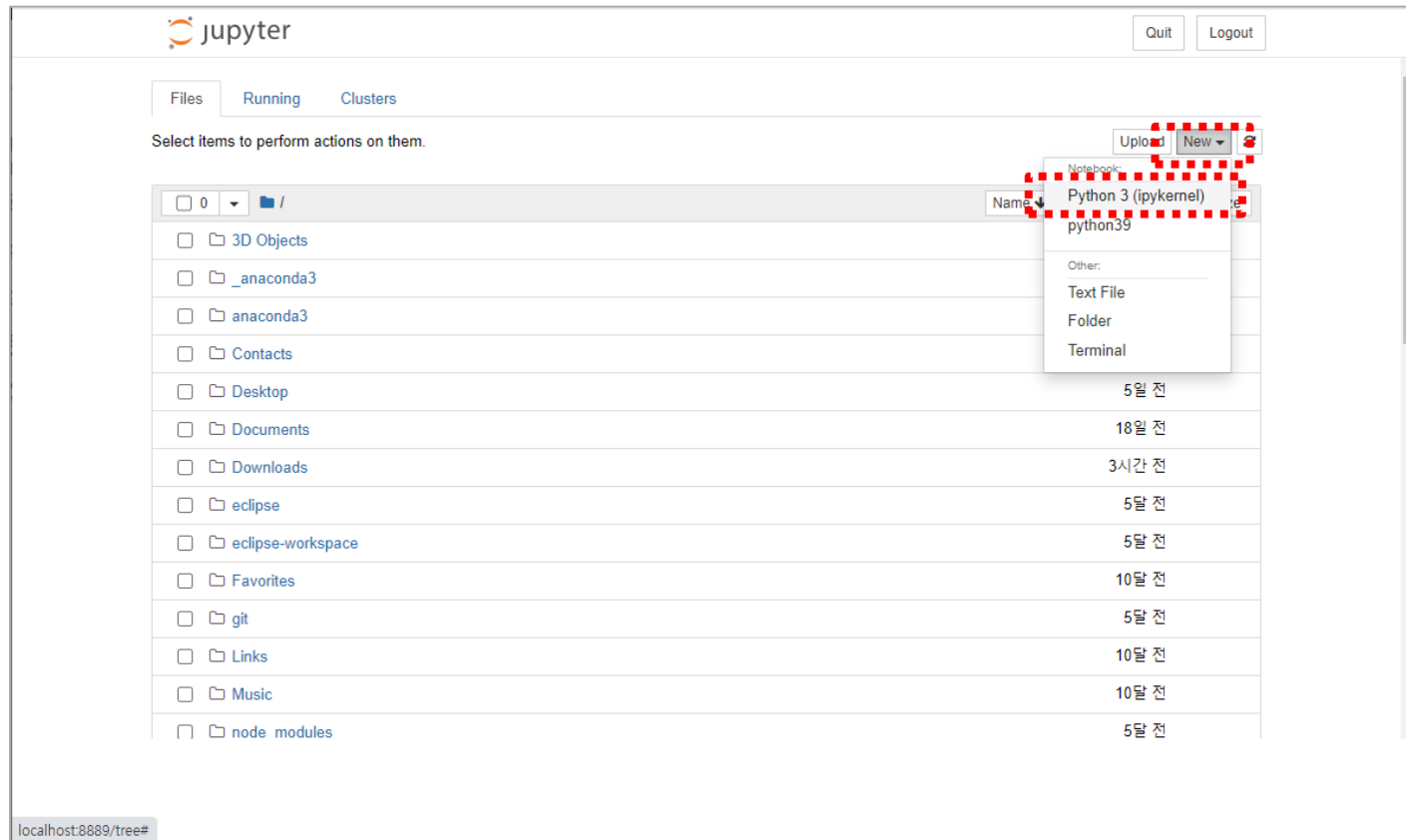
주피터 노트북 실행

➤ 아나콘다 프롬프트 실행 : 윈도우 키(Windows) – jupyter notebook 검색



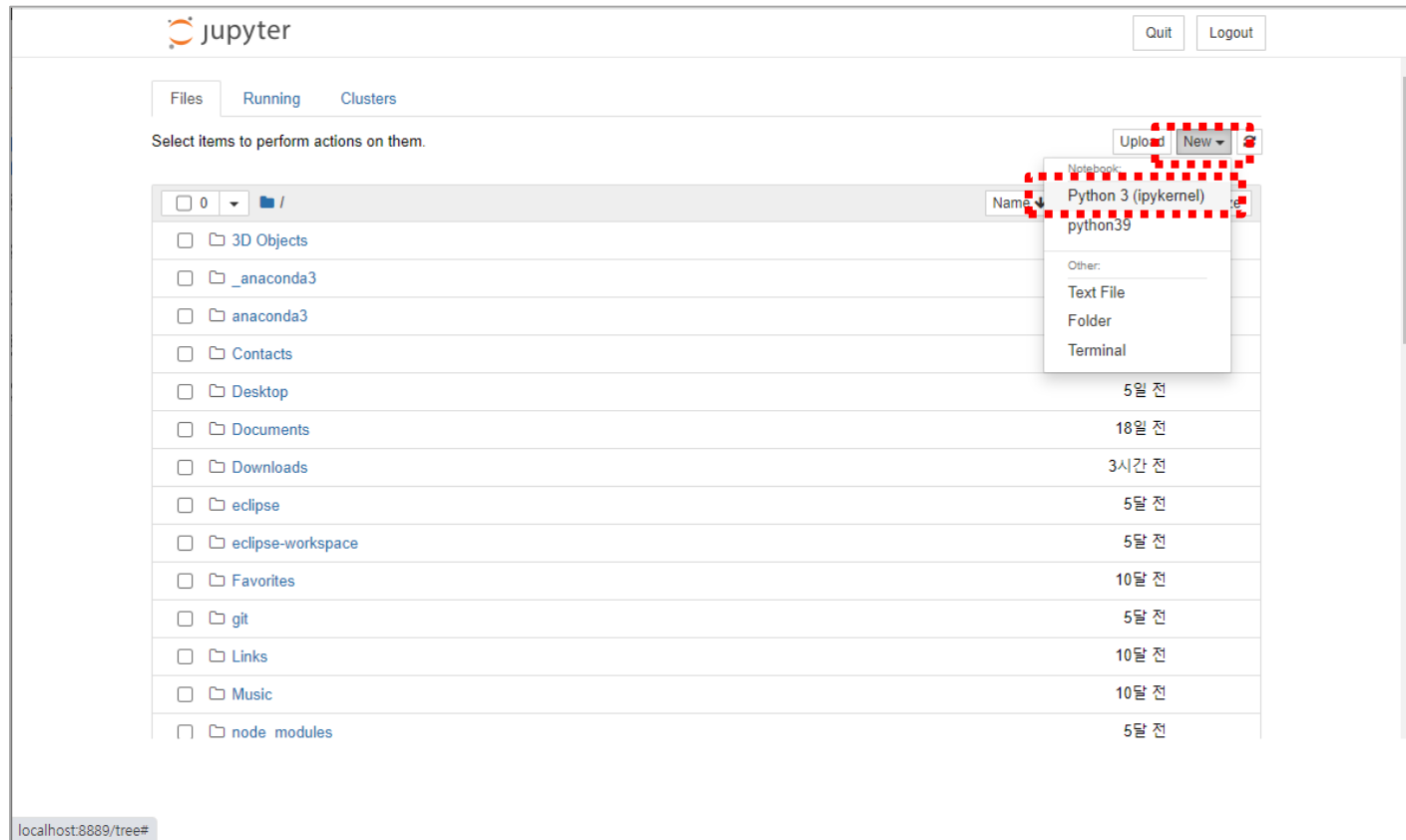
주피터 노트북 파일 생성

➤ 주피터 노트북 파일 생성 : 노트북 우측 New – Python 3 (ipykernel)



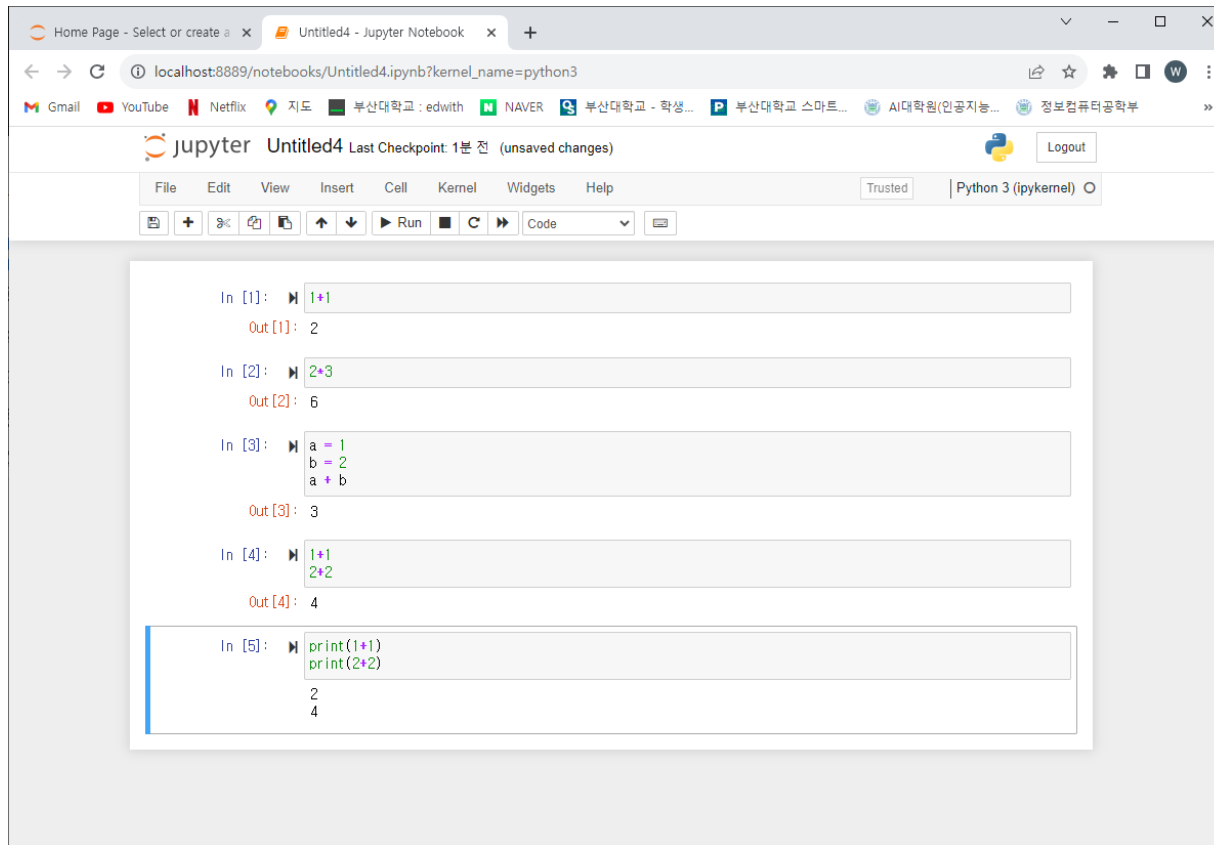
주피터 노트북 파일 생성

➤ 주피터 노트북 파일 생성 : 노트북 우측 New – Python 3 (ipykernel)



프로그래밍 테스트

➤ 코드 입력 및 실행 : 셀 클릭 후 코드 입력 및 실행(Shift + Enter)



The screenshot displays a Jupyter Notebook titled 'Untitled4' running on a local host. The interface includes a top navigation bar with 'File', 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help' menus. Below the menu is a toolbar with icons for adding, deleting, and running cells. The notebook contains five code cells, each with an input prompt 'In [n]:' and an output prompt 'Out [n]:'. The code in the cells is as follows:

```
In [1]: 1+1
Out[1]: 2

In [2]: 2*3
Out[2]: 6

In [3]: a = 1
        b = 2
        a + b
Out[3]: 3

In [4]: 1+1
        2*2
Out[4]: 4

In [5]: print(1+1)
        print(2*2)
        2
        4
```

질의응답
