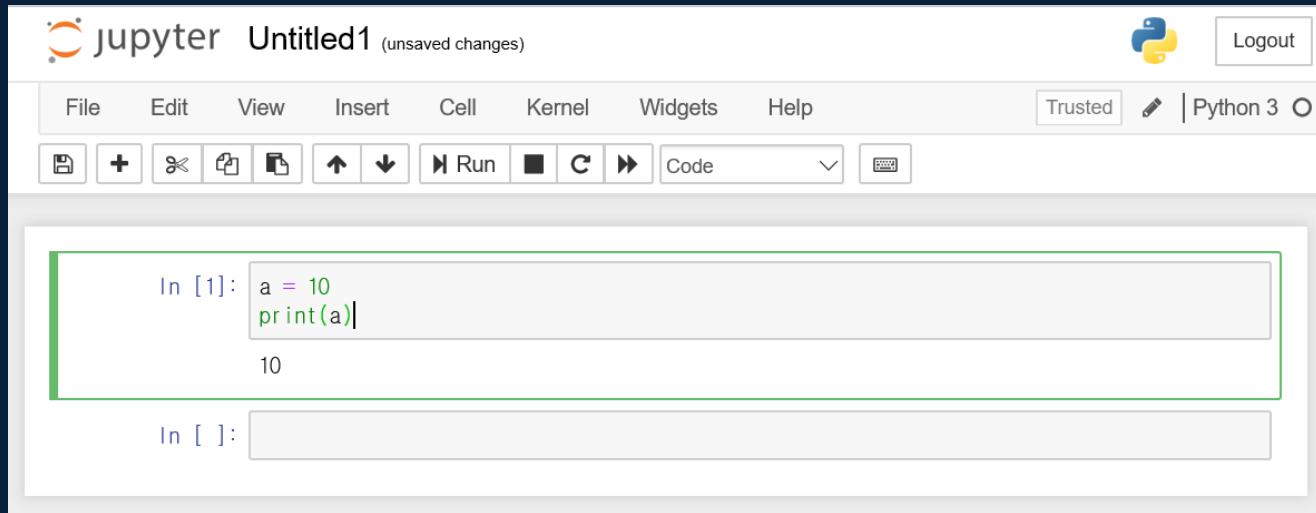


Chapter 11

주피터 노트북

주피터 노트북이란?

- 데이터 분석과 시각화에 최적화된 개발 환경 제공
- 웹 상에서 프로그램 소스 코드를 작성하고 실행하는 IDE 중의 하나



아나콘다 프로그램 설치

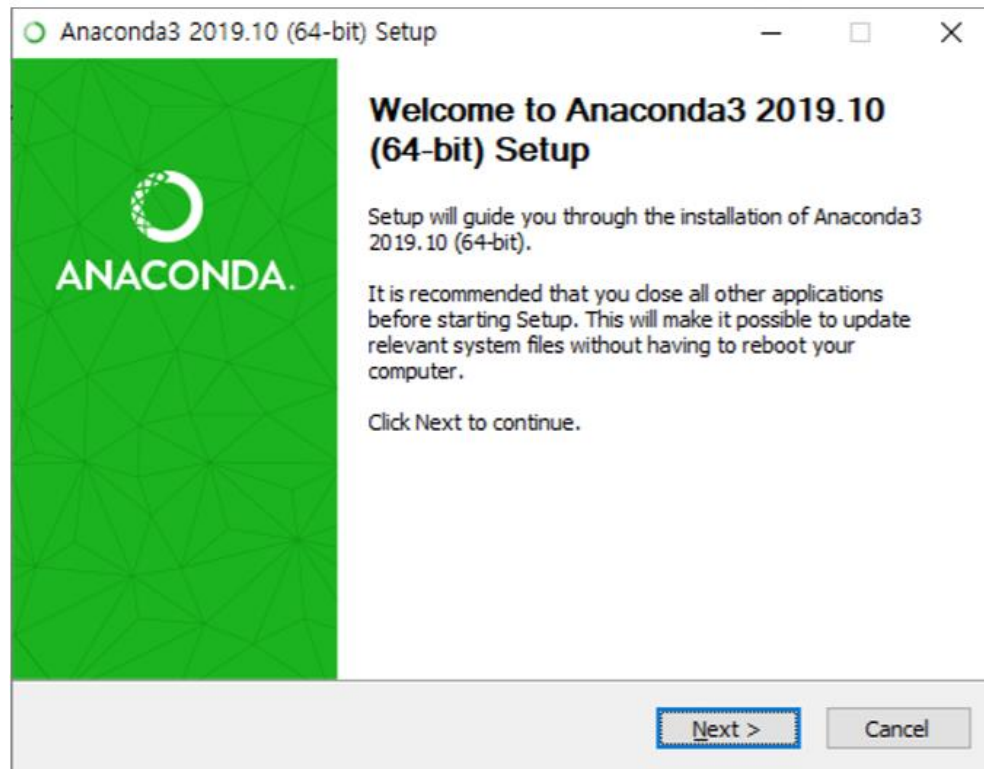
- 아나콘다는 주피터 노트북을 내장하고 파이썬 데이터 분석과 시각화에 필요한 기본 패키지와 라이브러리를 포함
- 설치 파일 다운로드

<https://www.anaconda.com/distribution>

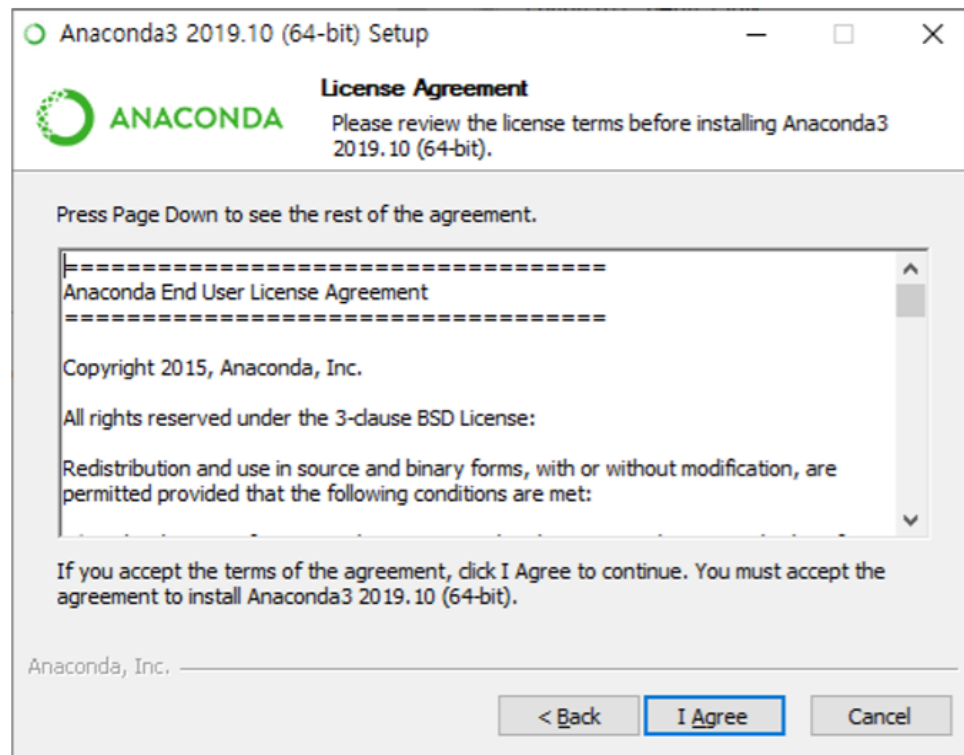
아나콘다 설치파일 다운로드 화면



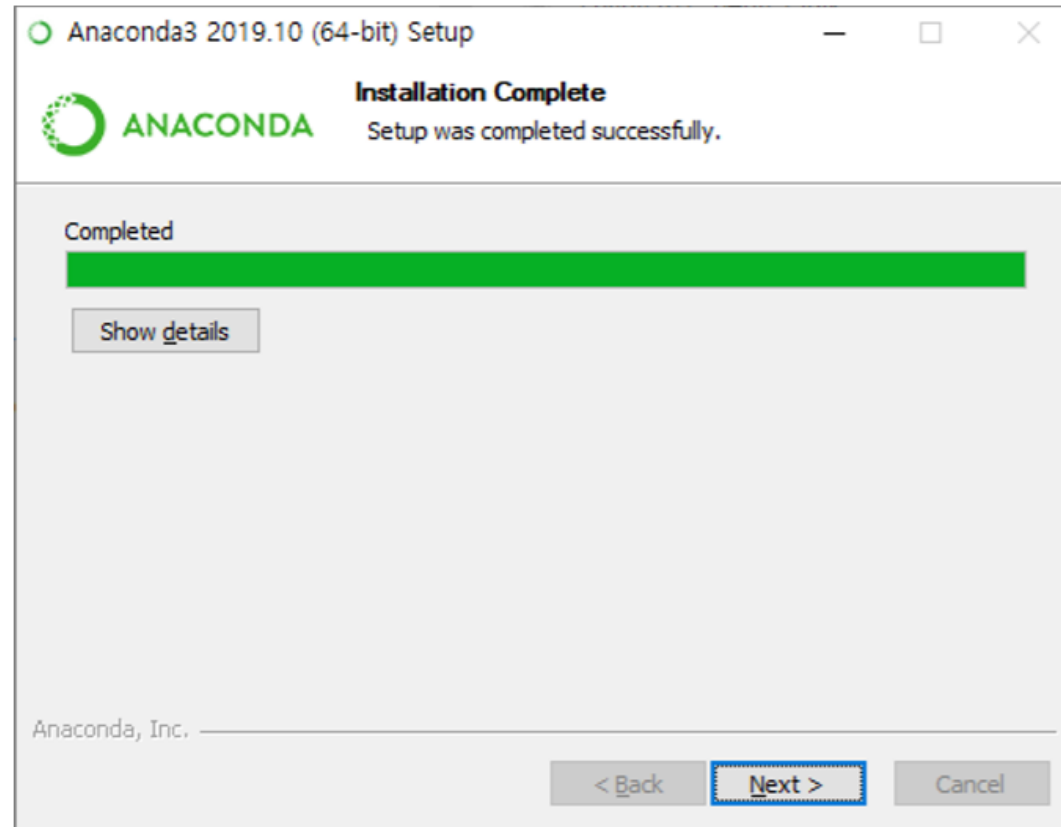
아나콘다 설치 시작화면



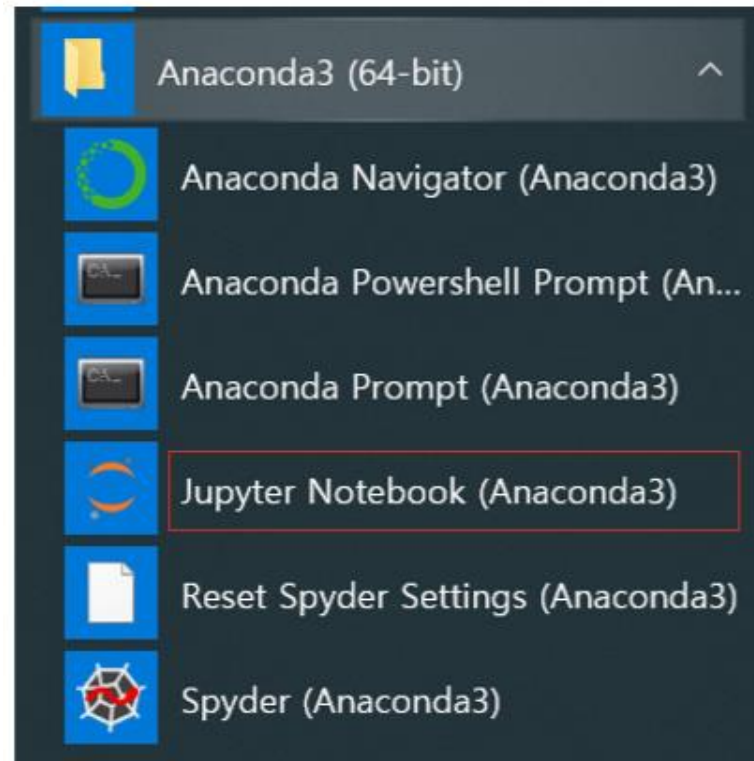
라이선스 동의 화면



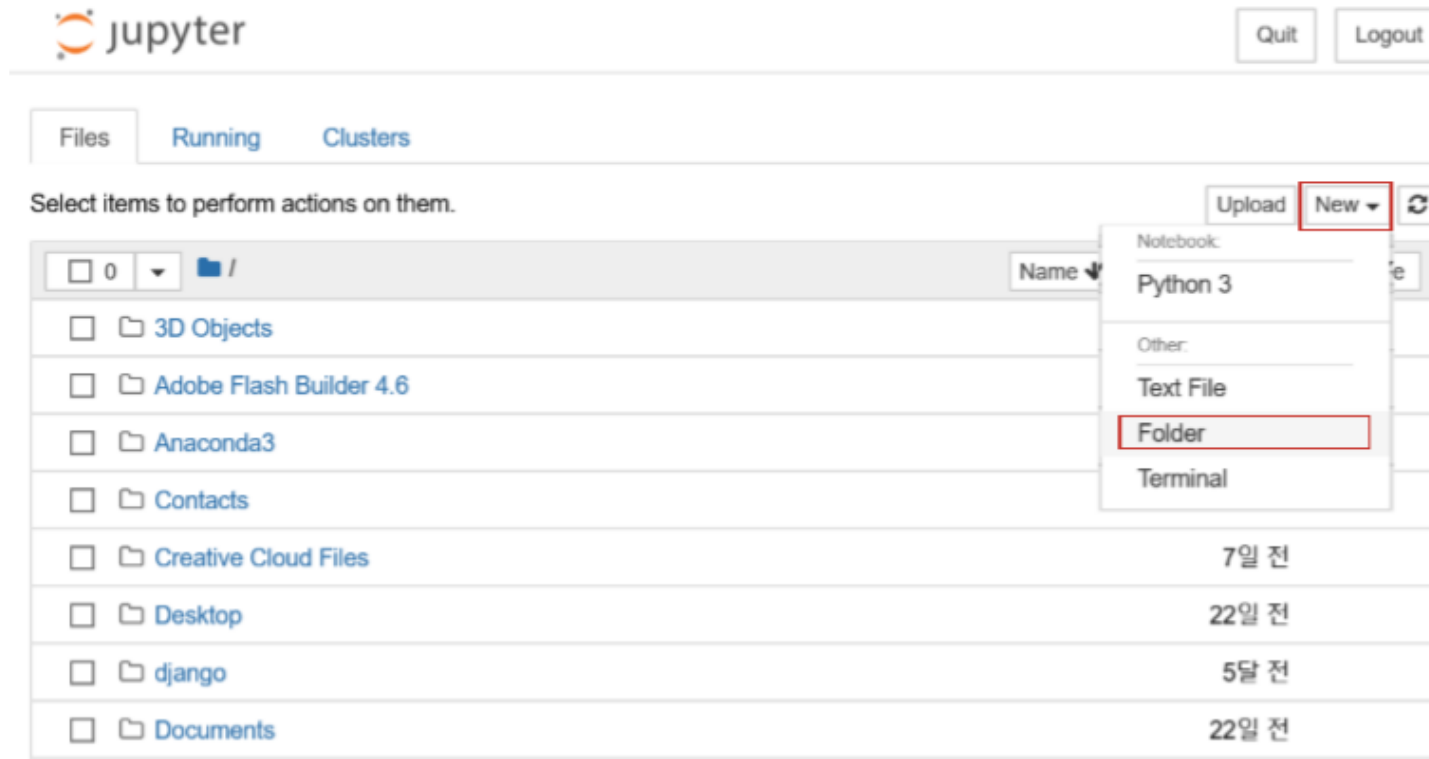
아나콘다 설치 완료 화면



아나콘다의 주피터 노트북 메뉴



작업폴더 생성하기



작업폴더 생성하기(계속)

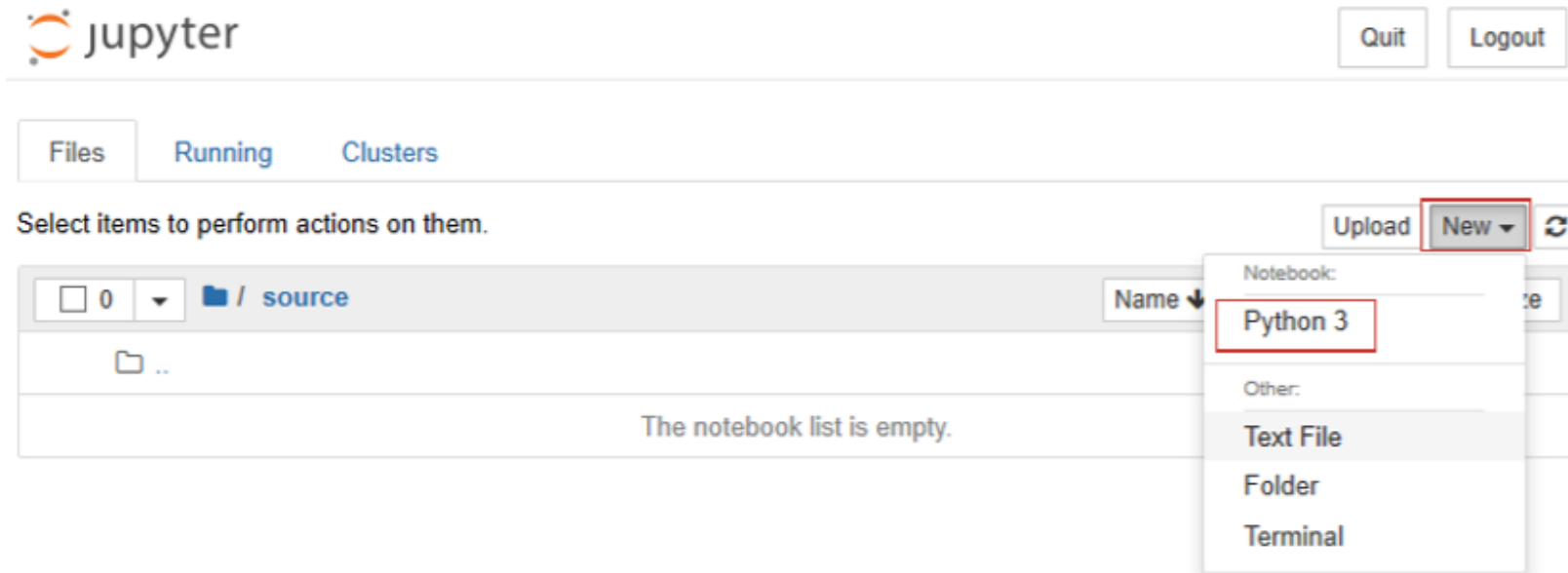
The image shows the JupyterLab interface with a 'Rename directory' dialog box open. The dialog has a title bar with a close button (X). Inside, it says 'Rename directory' and 'Enter a new directory name:'. Below this is a text input field containing the word 'source'. At the bottom of the dialog are 'Cancel' and 'Rename' buttons. Red numbered circles highlight the following elements:

- 1: The 'Untitled Folder' entry in the file browser list, which is selected with a checkbox.
- 2: The 'Rename' button in the file browser toolbar.
- 3: The text input field in the 'Rename directory' dialog.
- 4: The 'Rename' button in the 'Rename directory' dialog.

The file browser on the left shows a list of files and folders:

File/Folder	Modified	Size
✓ Untitled Folder	몇 초 전	
Videos	22일 전	
Untitled.ipynb	한 달 전	1.35 kB
untitled.txt	2달 전	0 B

새로운 파일 생성하기

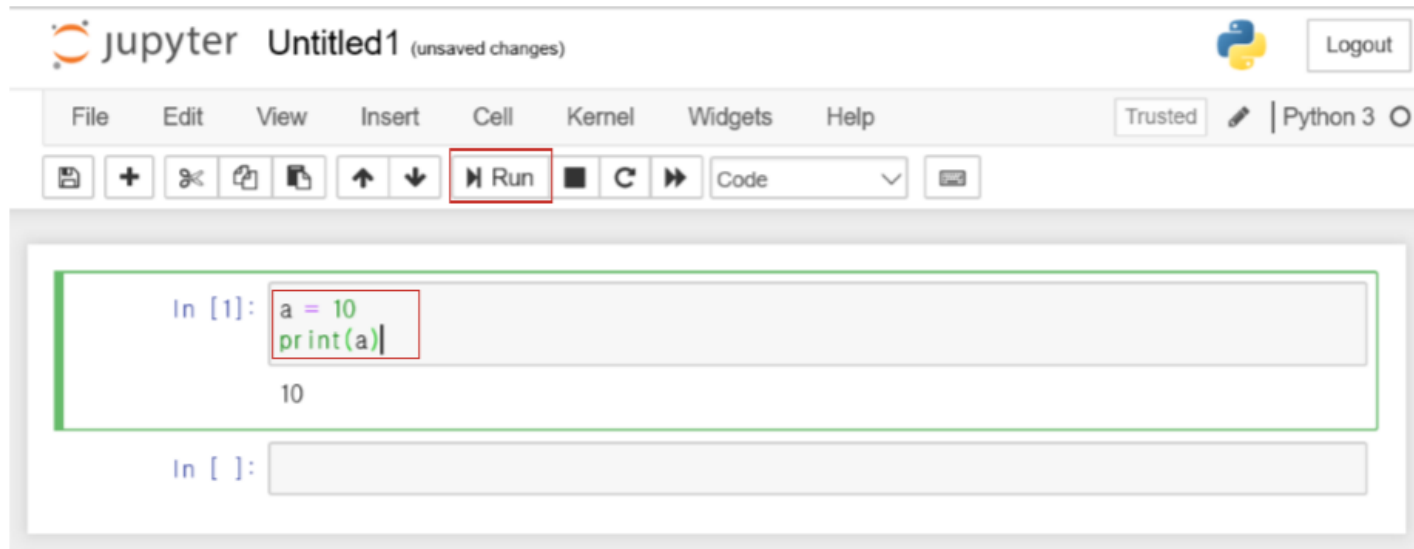


프로그램 작성과 실행하기

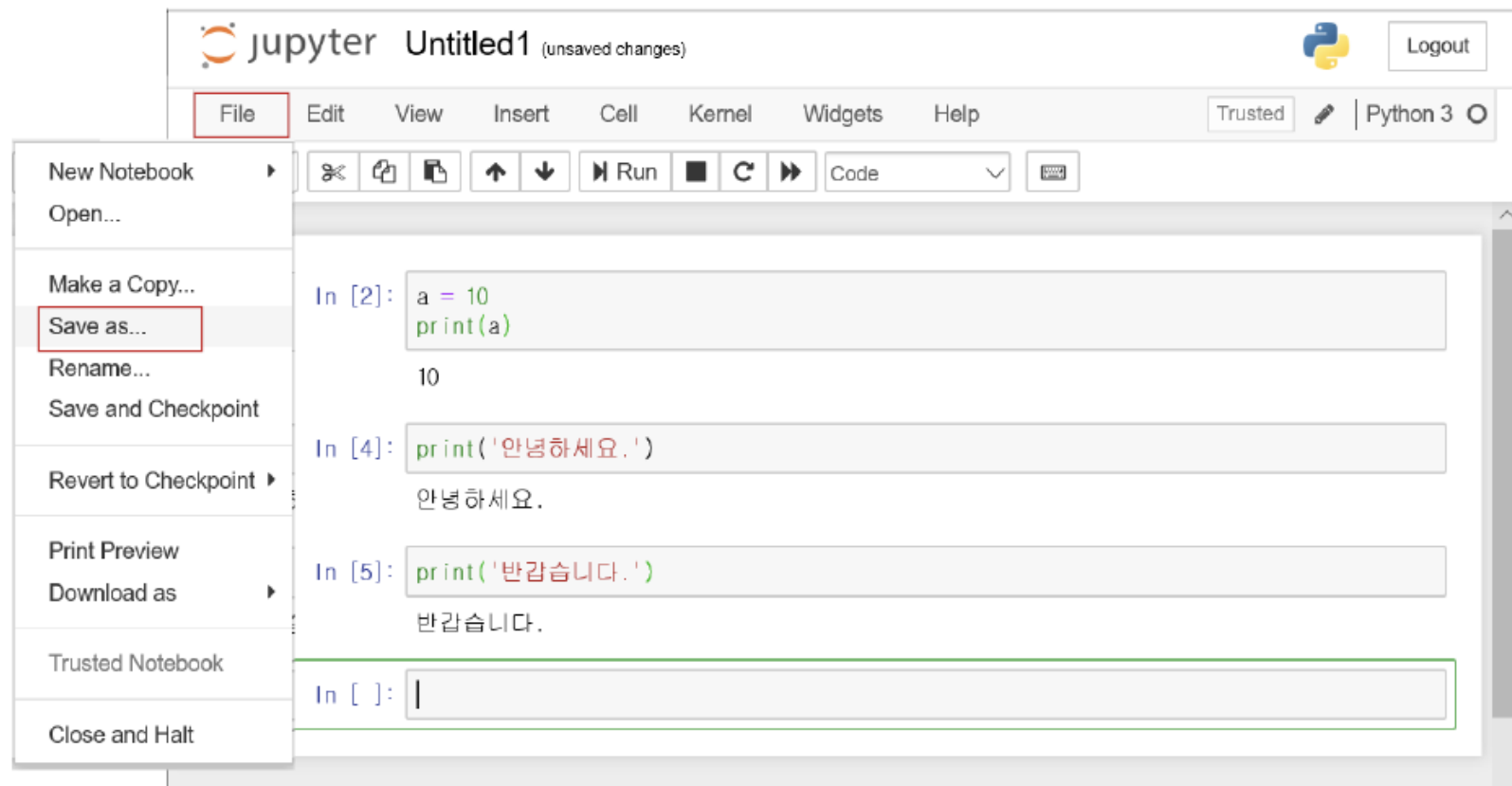
```
a = 10  
print(a)
```

➤ 프로그램 실행 단축키

Shift + Enter 키



프로그램 저장하기



작업 폴더 확인하기

In[] :

```
% pwd
```

Out[] : 'C:\\Users\\user\\source'

.ipynb 파일 불러오기

JupyterLab interface showing the file upload process. The interface includes a top bar with the Jupyter logo and 'Quit'/'Logout' buttons. Below the top bar are tabs for 'Files', 'Running', and 'Clusters'. The 'Files' tab is active, displaying a message: 'Select items to perform actions on them.' To the right of this message is a toolbar with an 'Upload' button (highlighted with a red box and a red circle with the number 1), a 'New' dropdown menu, and a refresh icon. Below the toolbar is a file browser showing a list of files and folders. The file 'ex11.ipynb' is selected (highlighted with a red box and a red circle with the number 2). To the right of the file name is an 'Upload' button (highlighted with a red box and a red circle with the number 3) and a 'Cancel' button. The file browser shows a table with columns for Name, Last Modified, and File size. The file 'ex11.ipynb' is listed with a last modified time of '3일 전' (3 days ago). Below it are two folders, '01' and '02', with last modified times of '19일 전' (19 days ago).

Name	Last Modified	File size
ex11.ipynb	3일 전	
..	몇 초 전	
01	19일 전	
02	19일 전	