

Jupyter Notebook 개발환경

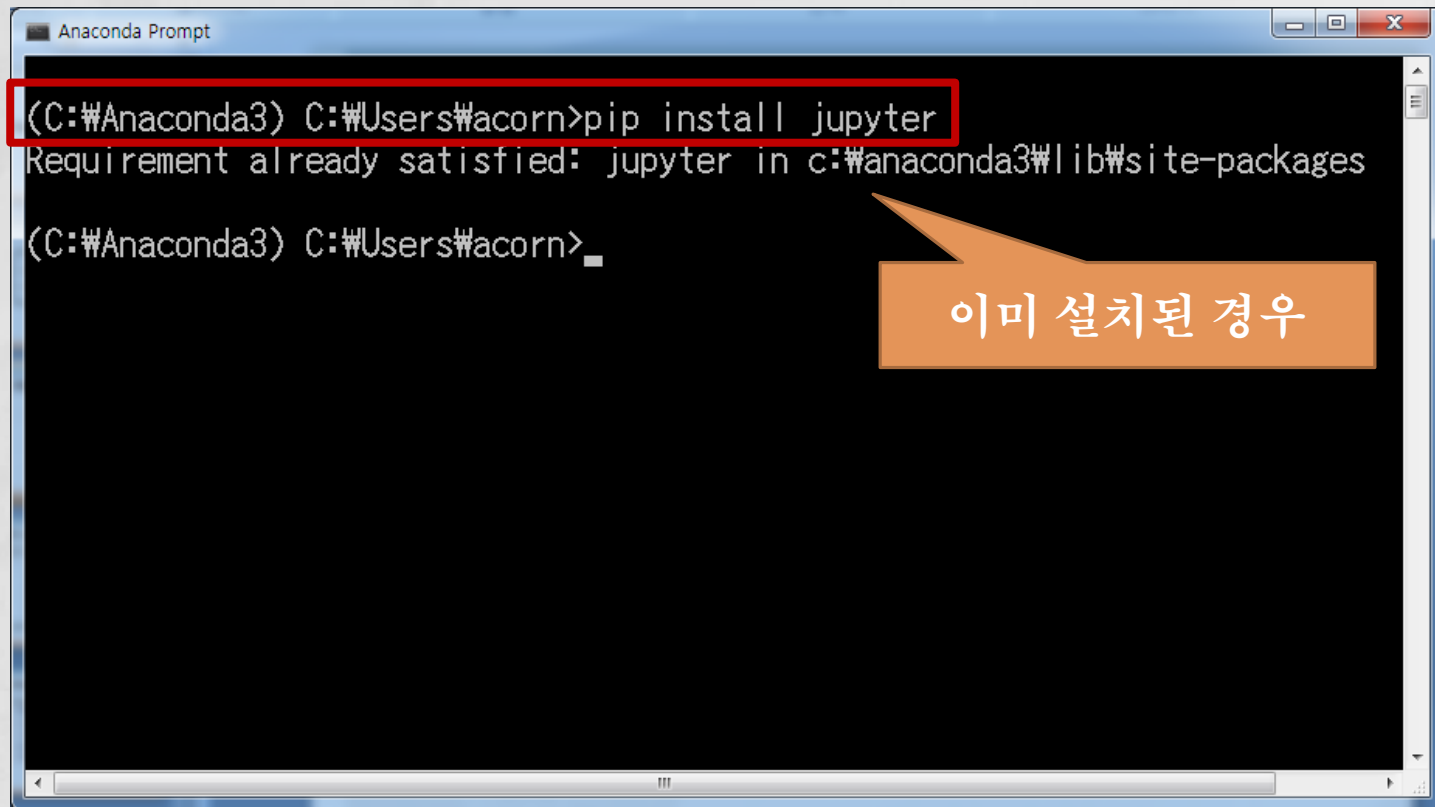
작성자 : 김진성

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1. Jupyter Notebook 설치

- Anaconda3 Prompt에서 Jupyter 설치

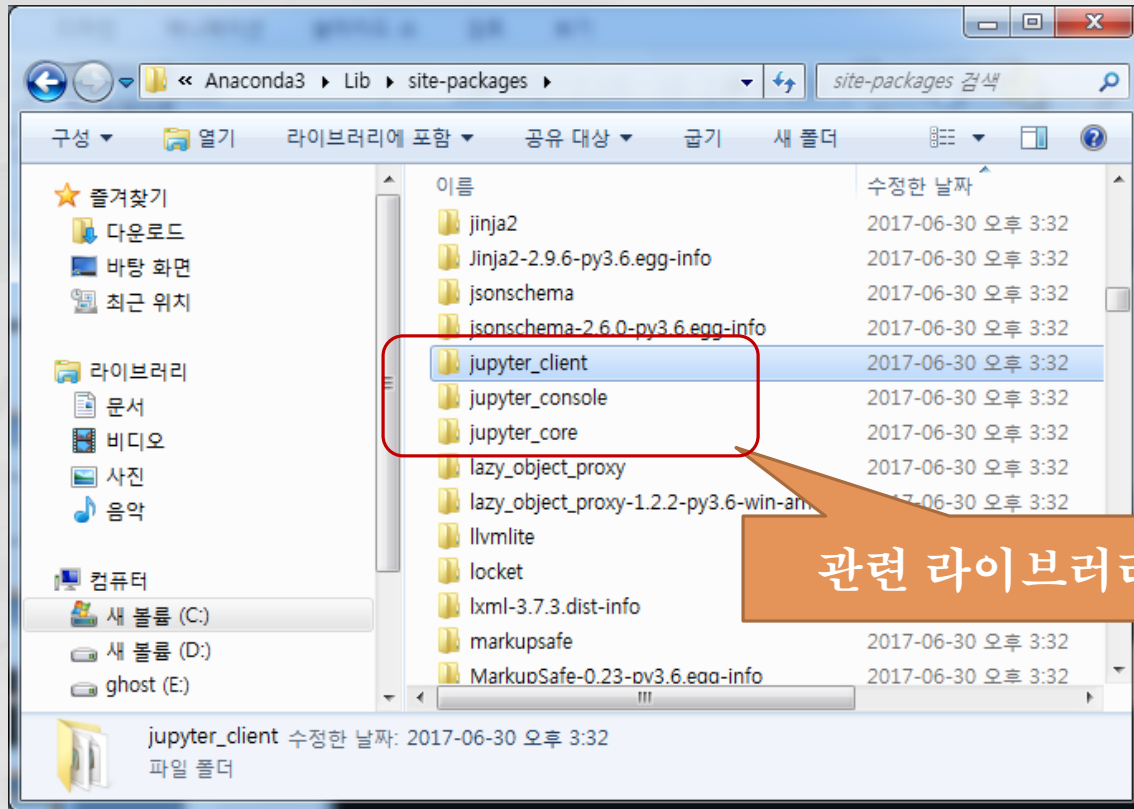


The screenshot shows a Windows command prompt window titled "Anaconda Prompt". The command prompt shows the command `(C:\Anaconda3) C:\Users\acorn>pip install jupyter` being entered. The output is `Requirement already satisfied: jupyter in c:\anaconda3\lib\site-packages`. The command prompt then shows `(C:\Anaconda3) C:\Users\acorn>_`. A red box highlights the command line. An orange callout bubble points to the output text with the Korean text "이미 설치된 경우" (Already installed case).

```
(C:\Anaconda3) C:\Users\acorn>pip install jupyter
Requirement already satisfied: jupyter in c:\anaconda3\lib\site-packages
(C:\Anaconda3) C:\Users\acorn>_
```

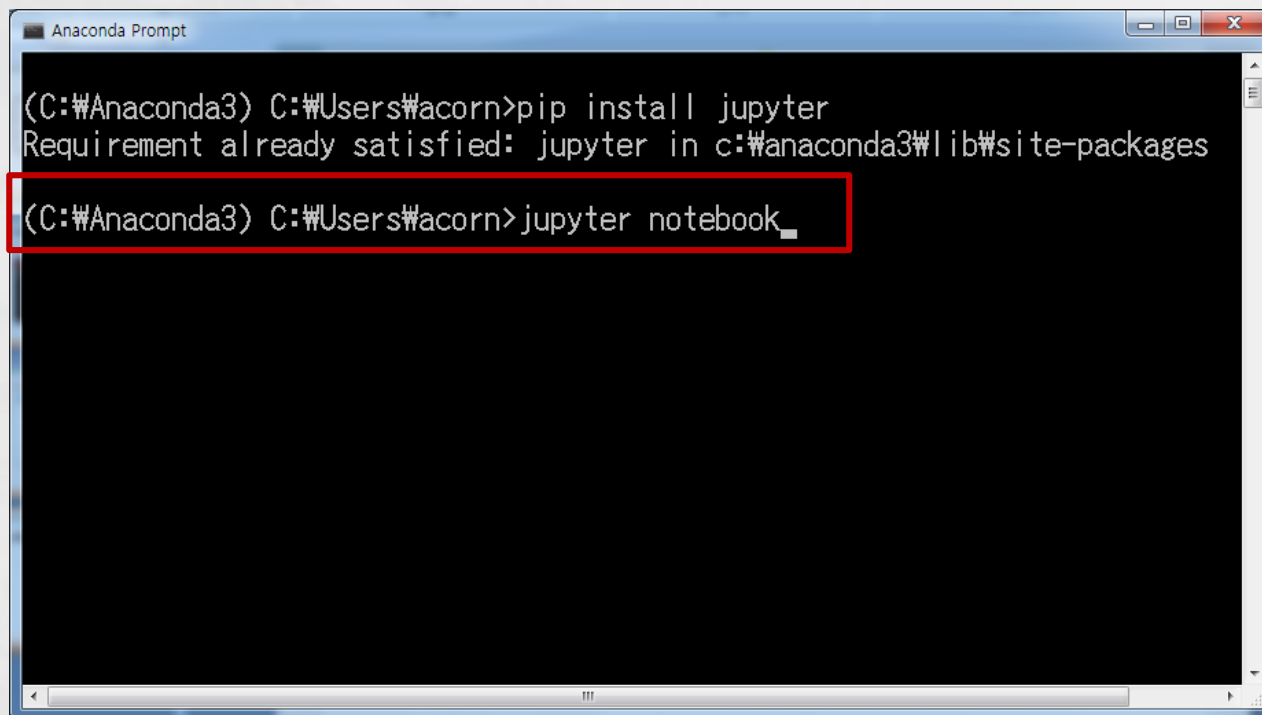
이미 설치된 경우

● Anaconda3 Prompt에서 Jupyter 설치



2. Jupyter Notebook 개발환경

- Anaconda3 Prompt에서 Jupyter 실행

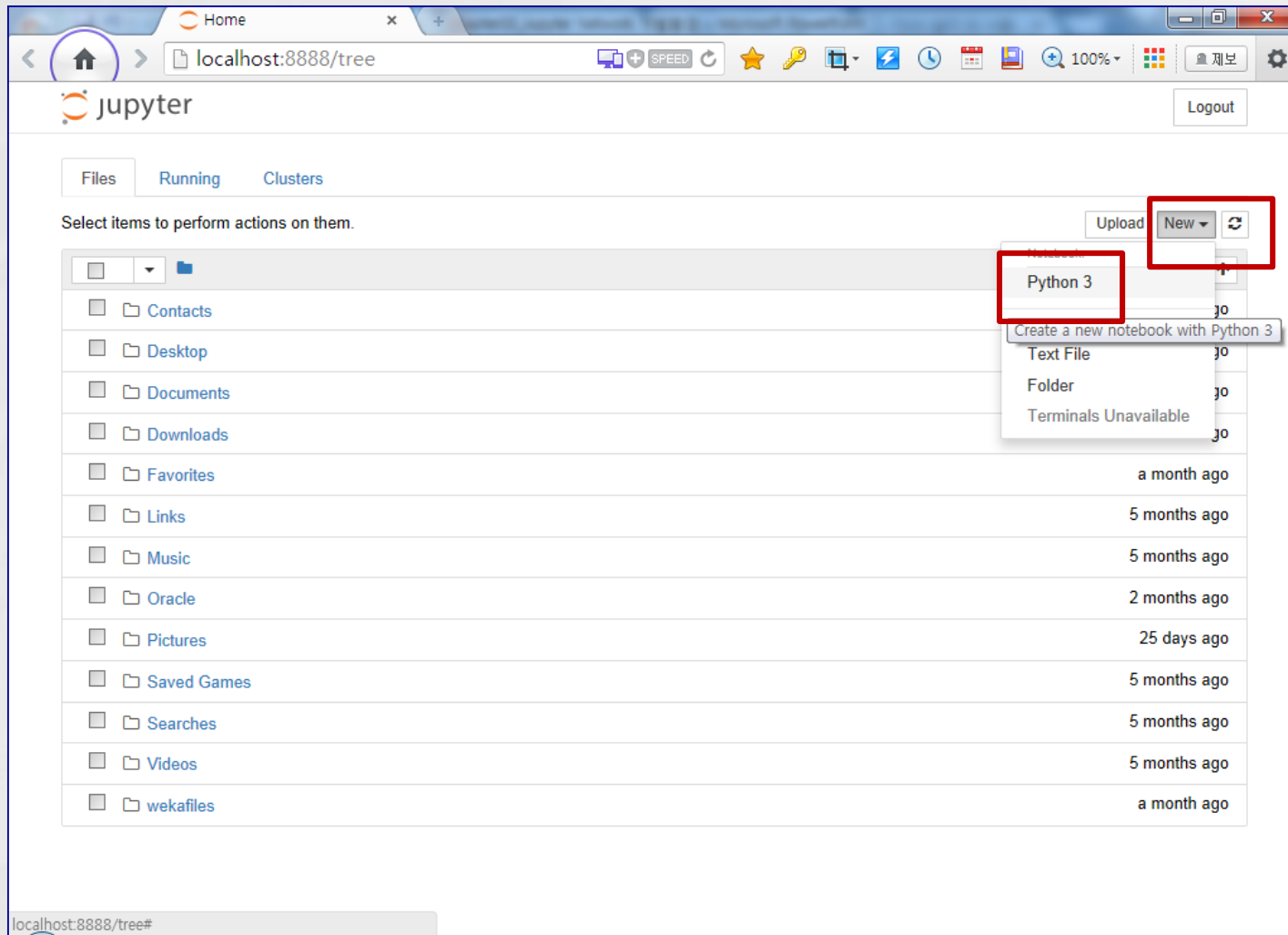


The image shows a screenshot of the Anaconda Prompt window. The window title is "Anaconda Prompt". The command prompt shows the following text:

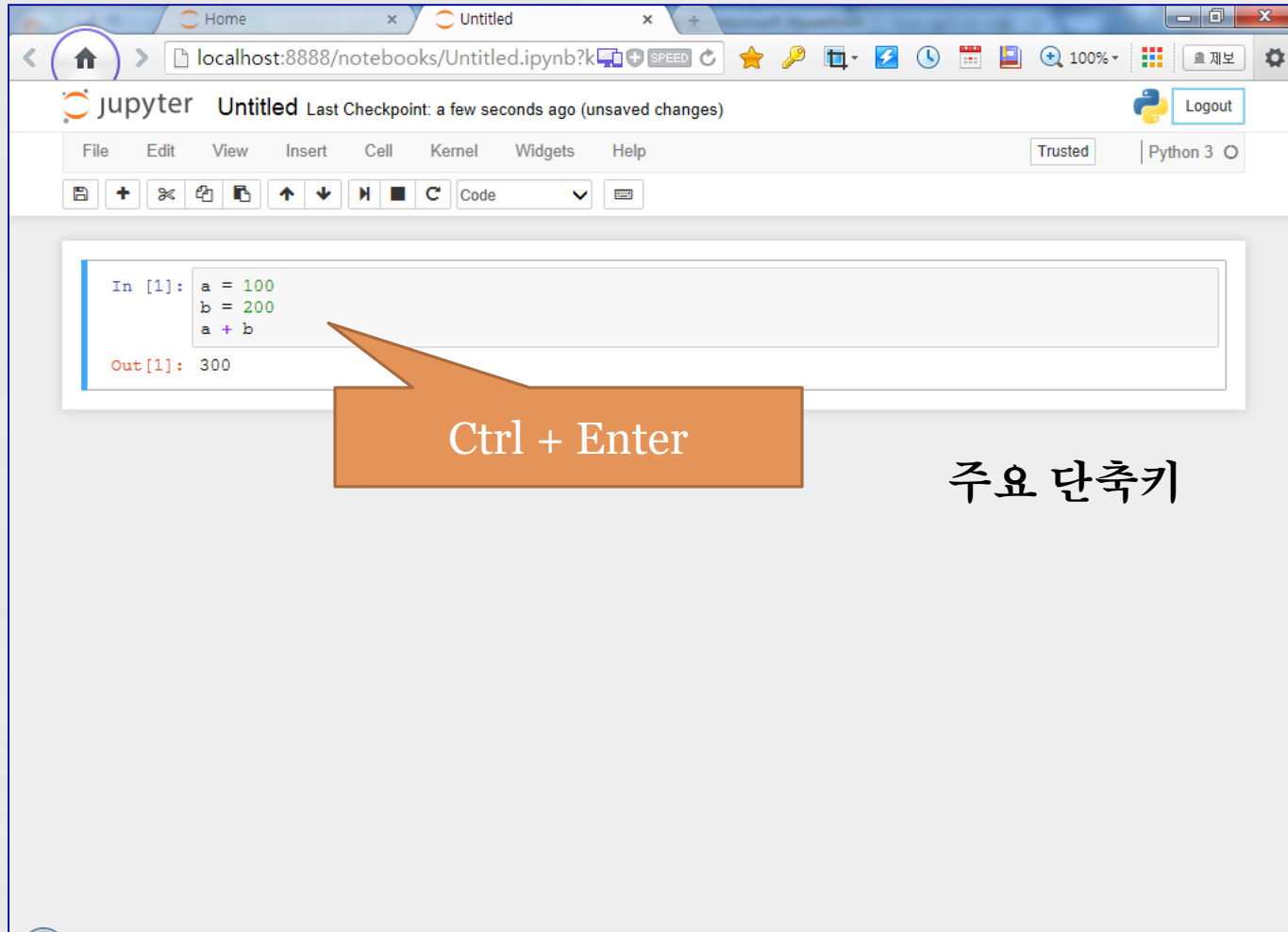
```
(C:\Anaconda3) C:\Users\wacorn>pip install jupyter  
Requirement already satisfied: jupyter in c:\anaconda3\lib\site-packages  
(C:\Anaconda3) C:\Users\wacorn>jupyter notebook_
```

The last line of the command prompt, `(C:\Anaconda3) C:\Users\wacorn>jupyter notebook_`, is highlighted with a red rectangular box.

- 새 노트 만들기



- Python 코드 작성/실행



The screenshot shows a web browser window with a Jupyter Notebook titled 'Untitled'. The address bar shows 'localhost:8888/notebooks/Untitled.ipynb?k'. The notebook interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations and execution. The code cell contains the following Python code:

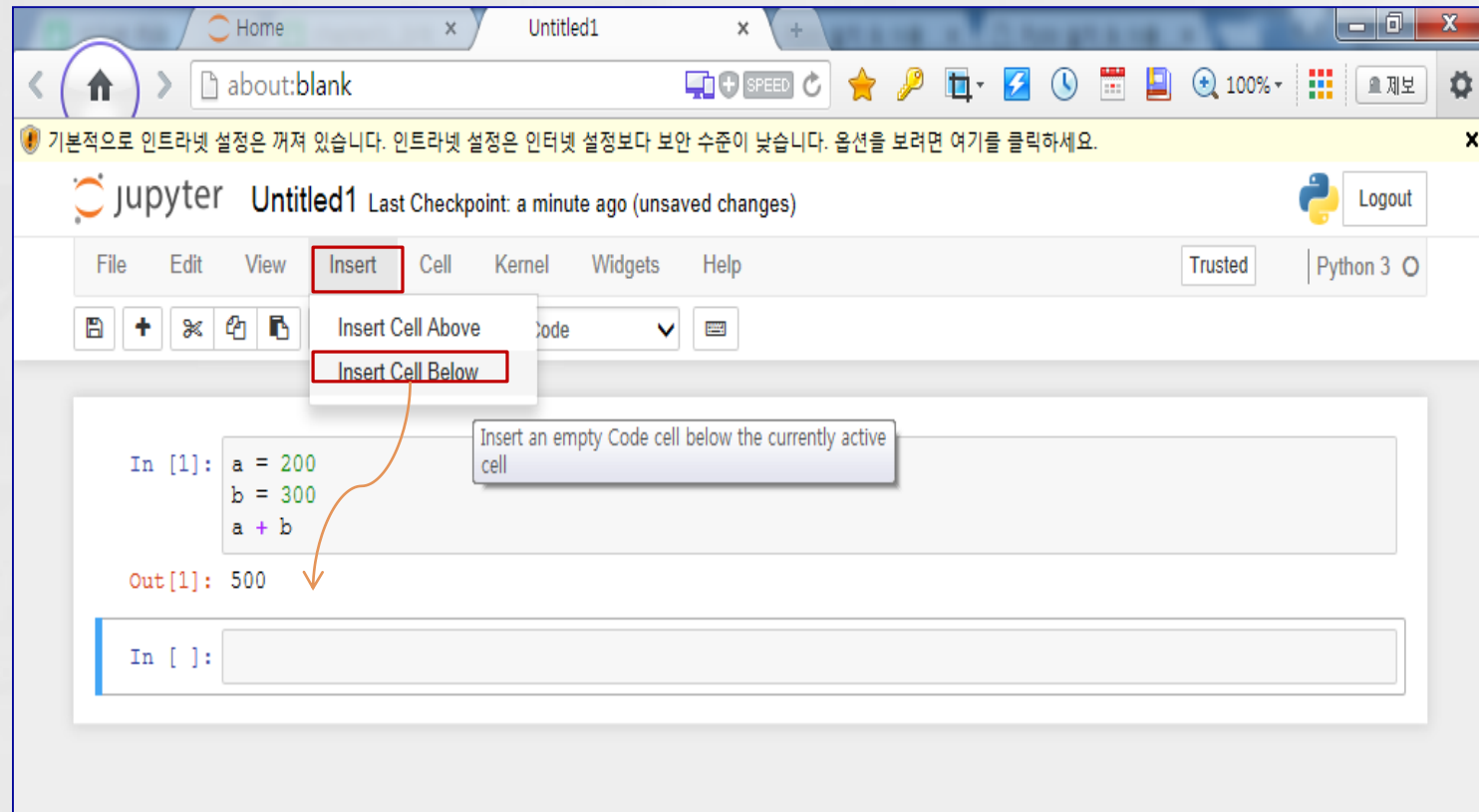
```
In [1]: a = 100  
        b = 200  
        a + b
```

The output of the code cell is displayed below the code:

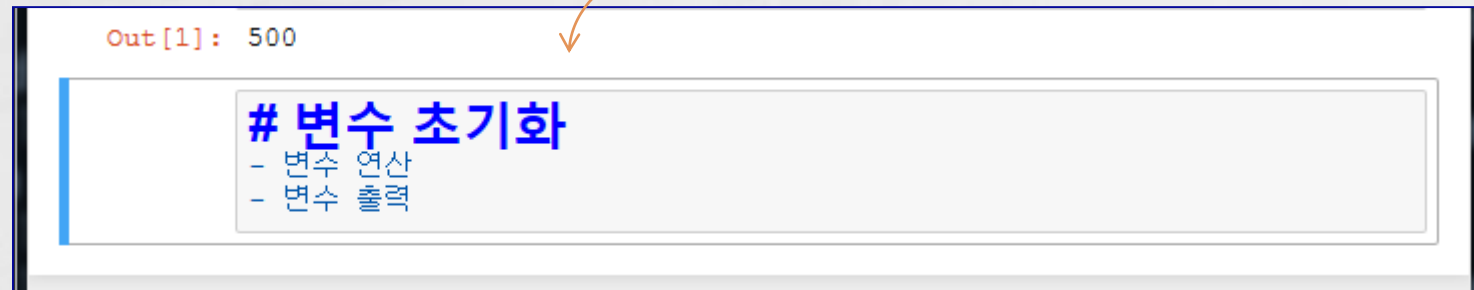
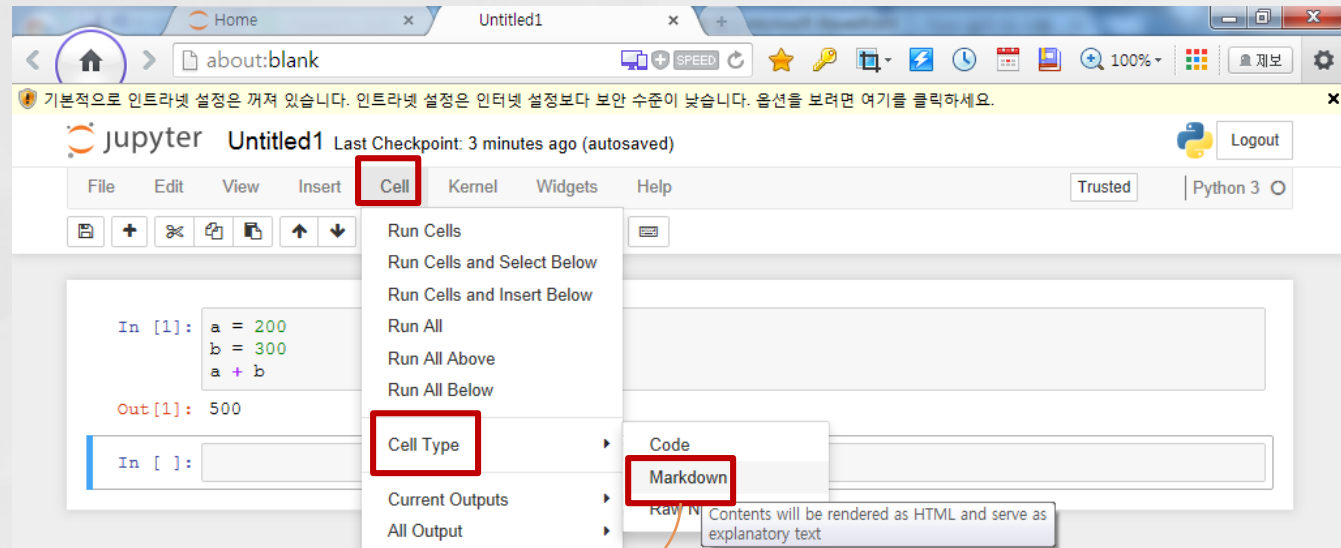
```
Out[1]: 300
```

An orange callout box points to the code cell with the text 'Ctrl + Enter', indicating the primary shortcut key for running the code. The Korean text '주요 단축키' (Main shortcut key) is also present.

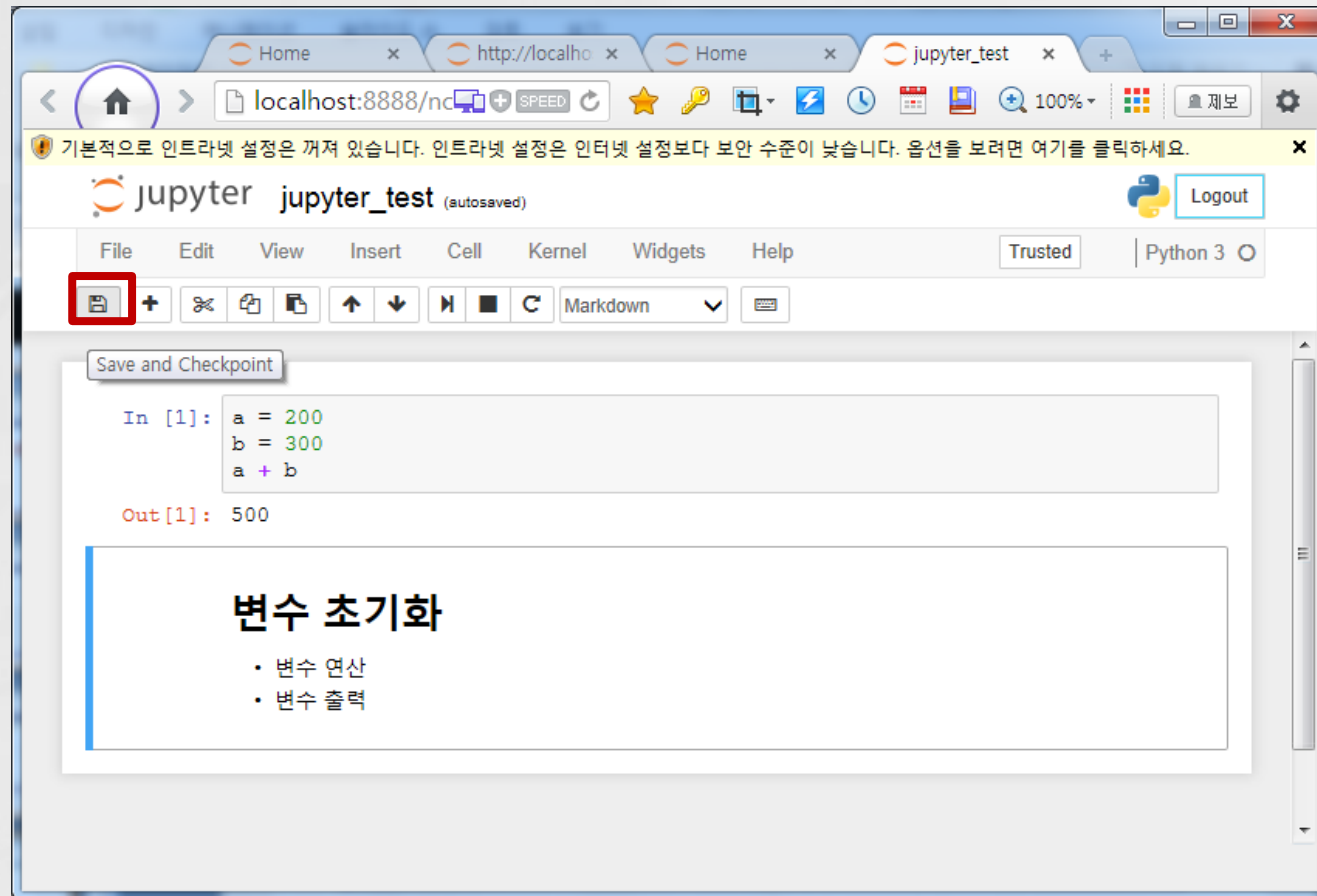
- 셀 추가 : Insert -> Insert Cell Below/ Above



- 주석문/설명문 작성



- 문서 저장



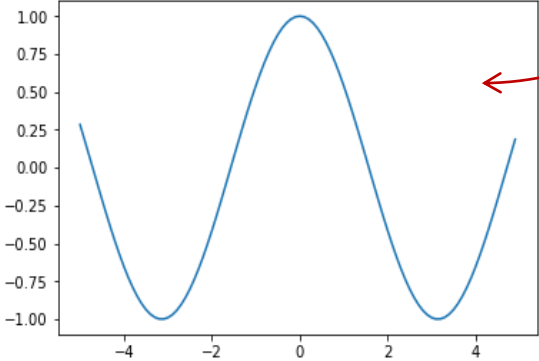
• 그래프 시각화

• 변수 출력

```
In [5]: import matplotlib.pyplot as plt
import numpy as np

x = np.arange(-5, 5, 0.1)
y = np.cos(x)
plt.plot(x, y)
```

Out[5]: [<matplotlib.lines.Line2D at 0x843e470>]



import

Ctrl + Enter

- jupyter notebook : 저장위치 변경

