개발 환경 구축 Jupyter Notebook

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본 영상에서 배울 내용

- 개발 환경 구축
 - Anaconda
 - Jupyter Notebook

Anaconda (아나콘다)

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With over 20 million users worldwide, the open-source Individual Edition (Distribution) is the easiest way to perform Python/R data science and machine learning on a single machine. Developed for solo practitioners, it is the toolkit that equips you to work with thousands of open-source packages and libraries.



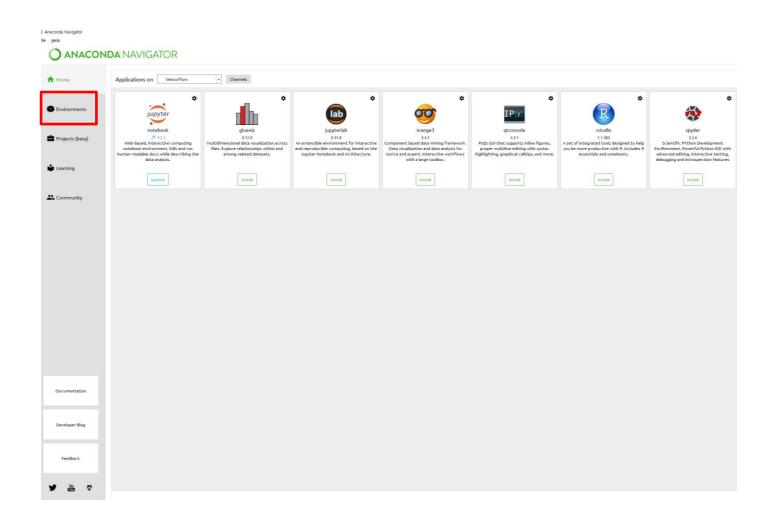




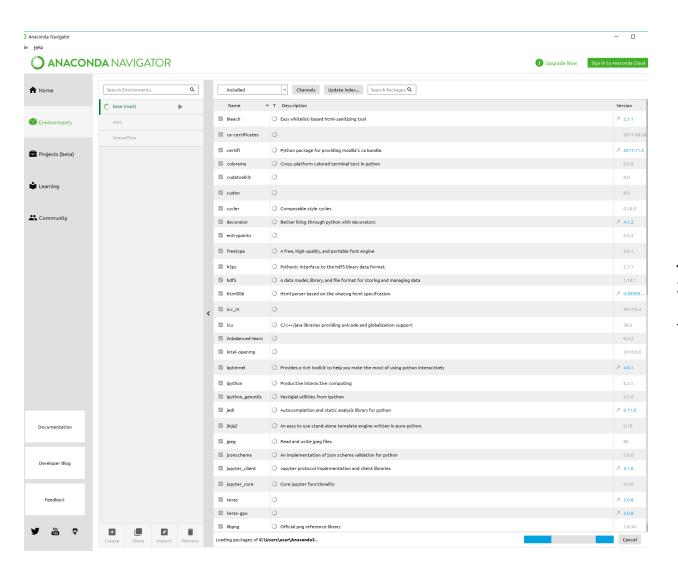




Anaconda (아나콘다)



Anaconda (아나콘다)



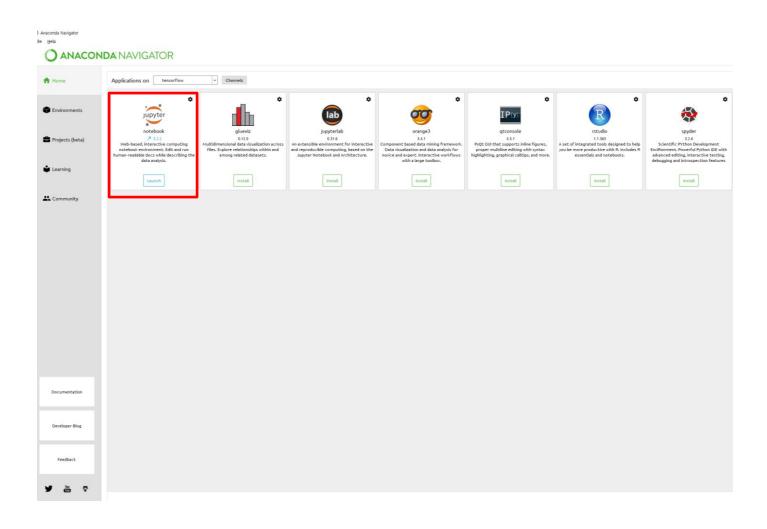
필수 라이브러리 설치

- pandas
- numpy
- scikit-learn
- matplotlib

새로운 라이브러리가 필요할 경우 검색해서 설치할 수 있음



Anaconda – Jupyter Notebook



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Anaconda – Jupyter Notebook

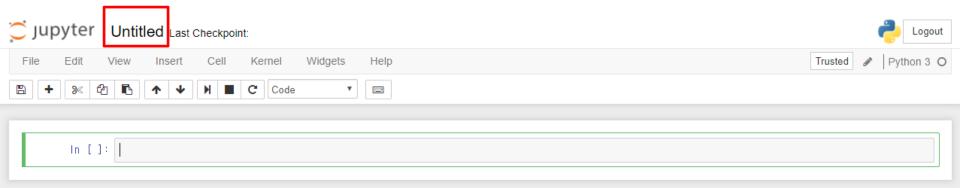


Anaconda – 파일 만들기

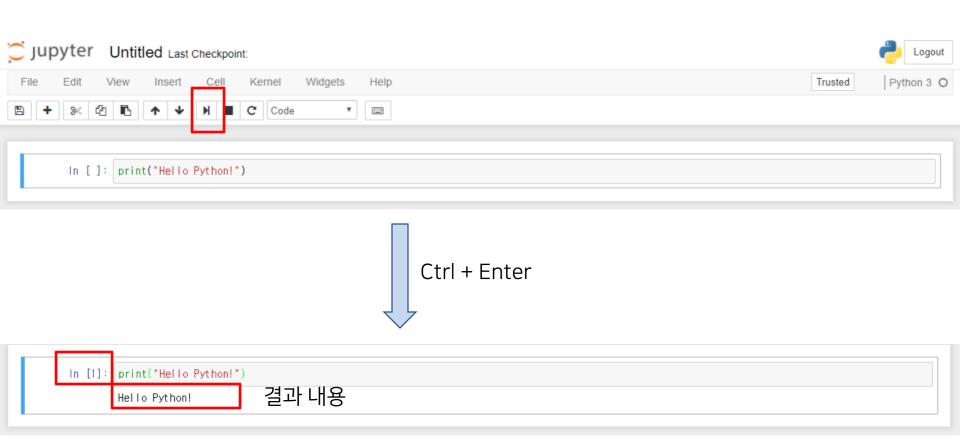


Anaconda - Notebook 기본

파일명 수정

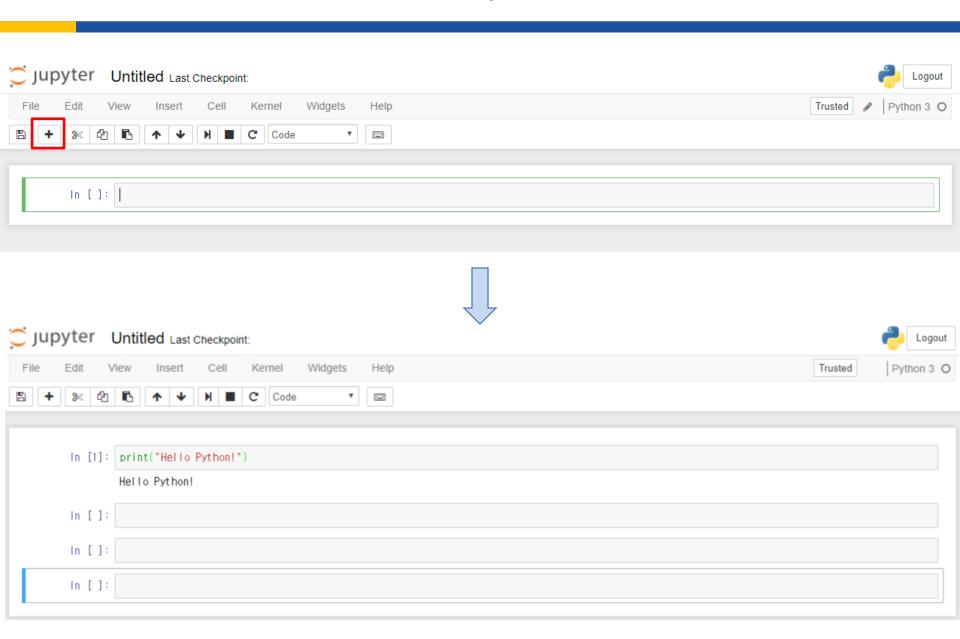


Anaconda - Notebook 기본



Ctrl + Enter 나 버튼을 계속 입력하면 숫자가 올라간다

Anaconda - Notebook 기본



Anaconda - Notebook 간단한 코드 작성

```
In [1]: print("Hello Python!")
        Hello Python!
In [2]: import matplotlib.pyplot as plt
        %matplotlib inline
In [3]: data = [1,1,2,3,5,8,13,21]
In [4]: plt.figure()
        plt.plot(data)
Out[4]: [<matplotlib.lines.Line2D at 0x11b87e460f0>]
         20.0
         17.5
         15.0
         10.0
          7.5
          5.0
          2.5
In [5]: plt.figure()
        plt.title('A Random Title', size='xx-large')
        plt.ylabel('Values', size='x-large')
        plt.ylim([0,30])
        plt.plot(data, 'r*-', markersize=10, linewidth=2, label='Hello')
        plt.tick_params(axis='both', which='major', labelsize=14)
        plt.legend(loc=(0.25,0.75), scatterpoints=1)
Out[5]: <matplotlib.legend.Legend at 0x11b89349908>
                              A Random Title
            30
```

다음 영상에서 배울 내용

- 파이썬에 대한 기초 내용
- 기초 문법
- 반복문
- 조건문
- 함수

수고하셨습니다.