

# Pytorch 설치부터 테스트 까지

- feat (Anaconda3.6, pytorch 1.0.1, jupyter notebook)

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Presenter: **KyungTae Lim**



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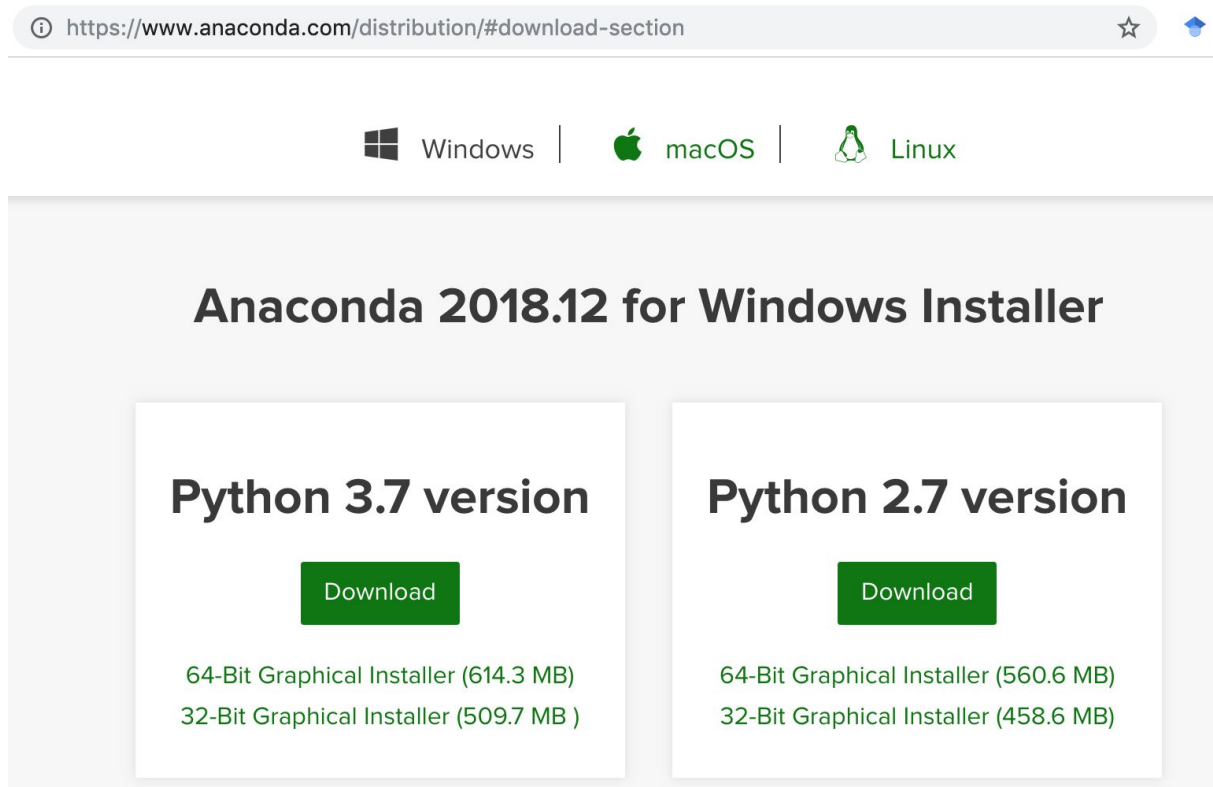
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# 윈도우에서 설치하기

- 단계1: 아나콘다 다운로드 및 설치
- 다운로드: <https://www.anaconda.com/distribution/#download-section>
- 설치방법: <https://docs.anaconda.com/anaconda/install/windows/>



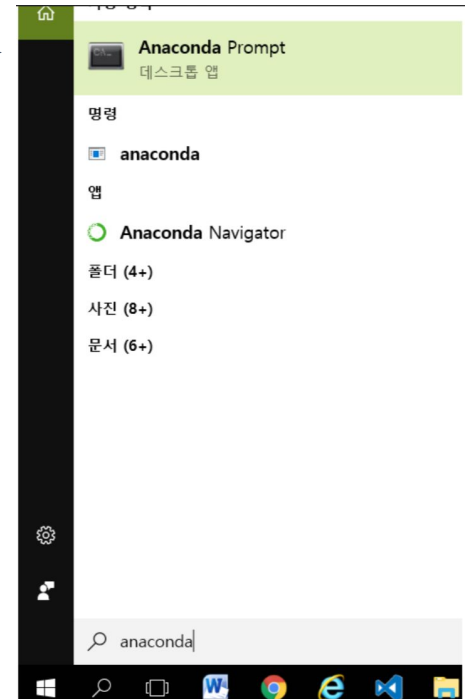
# 윈도우에서 설치하기

## • 단계2: 개발환경 생성 및 활성화

- Anaconda Prompt 실행 후 아래 명령어 가입
- `conda create -n NLPApps python=3.7 anaconda`
- `conda activate NLPApps`

## • 단계3:

- `conda install pytorch-cpu torchvision-cpu -c pytorch`
- `pip install jupyter`
- `jupyter notebook`



# 리눅스 & 맥OS에서 설치하기

- **단계1: 아나콘다 다운로드 및 설치 (console 창에서)**

- 맥OS:

```
wget https://repo.anaconda.com/archive/Anaconda3-5.2.0-MacOSX-x86_64.sh  
sh Anaconda3-5.2.0-Linux-x86_64.sh
```

- 리눅스:

```
wget https://repo.anaconda.com/archive/Anaconda3-5.2.0-Linux-x86_64.sh  
sh Anaconda3-5.2.0-Linux-x86_64.sh
```

- **단계2: 개발환경 생성 및 활성화**

- `conda create -n NLPApps python=3.7 anaconda`
  - `conda activate NLPApps`

- **단계3: 파이토치 설치**

- 맥:

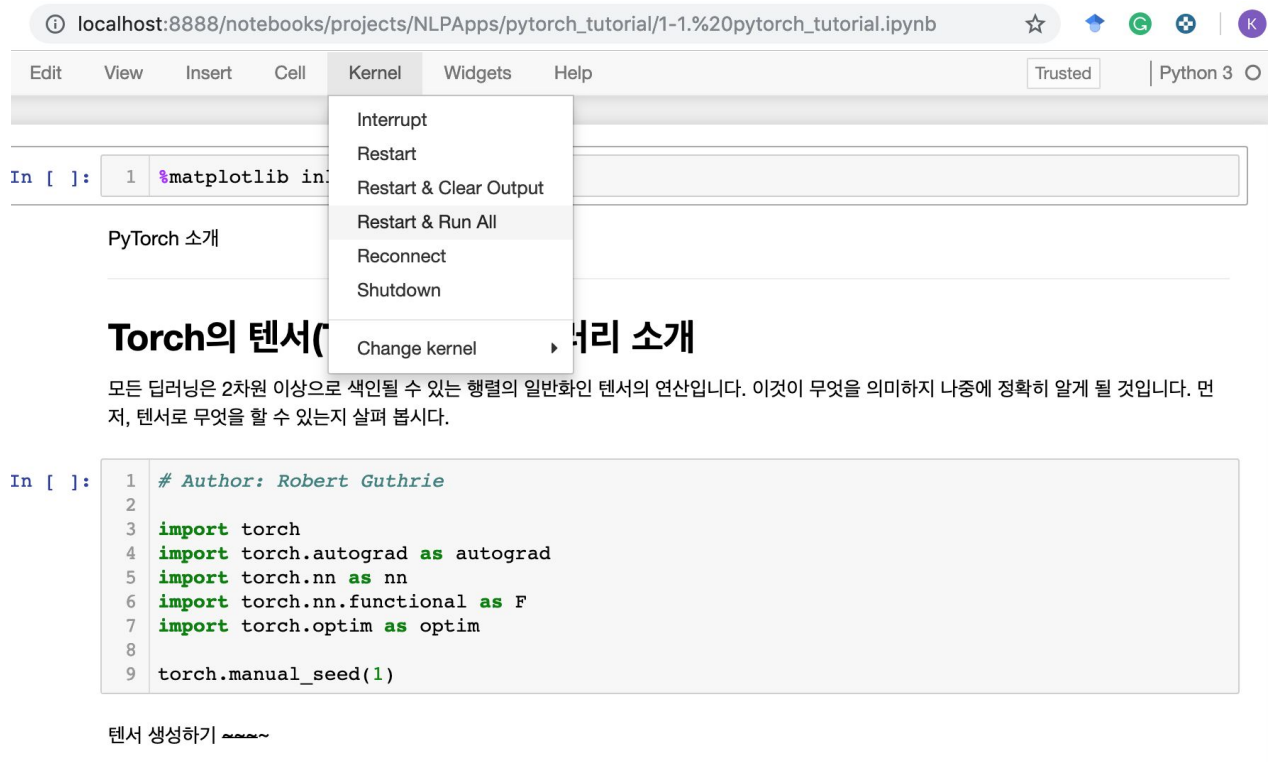
```
conda install pytorch torchvision -c pytorch
```

- 리눅스:

```
conda install pytorch-cpu torchvision-cpu -c pytorch
```

# 예제 코드 다운로드 및 동작 테스트

- 코드 다운로드: <https://github.com/jujbob/NLPApps>
  - 직접 다운로드: <https://github.com/jujbob/NLPApps/archive/master.zip>
  - Git활용: `git clone https://github.com/jujbob/NLPApps.git`
- 동작 테스트: jupyter notebook → kernel → Restart & Run All



The screenshot shows a Jupyter Notebook interface in a web browser. The address bar indicates the URL is `localhost:8888/notebooks/projects/NLPApps/pytorch_tutorial/1-1.%20pytorch_tutorial.ipynb`. The interface includes a top menu bar with 'Edit', 'View', 'Insert', 'Cell', 'Kernel', 'Widgets', and 'Help'. Below the menu bar, there's a 'Trusted' status indicator and 'Python 3' as the selected kernel. A context menu is open over the 'Kernel' menu, showing options: 'Interrupt', 'Restart', 'Restart & Clear Output', 'Restart & Run All', 'Reconnect', 'Shutdown', and 'Change kernel'. The notebook content includes a code cell with the following Python code:

```
In [ ]: 1 # Author: Robert Guthrie
2
3 import torch
4 import torch.autograd as autograd
5 import torch.nn as nn
6 import torch.nn.functional as F
7 import torch.optim as optim
8
9 torch.manual_seed(1)
```

Below the code cell, the text '텐서 생성하기' (Creating Tensors) is visible.

# Q&A