

still waiting for update

Now at programming / ENV AND PATH

## Conda environemnt command

1. Create `conda create --name myenv python=3.9`
2. Activate You can activate your env by using `conda activate <env name>`
3. Show all env `conda env list`
4. Deactivate `conda deactivate`

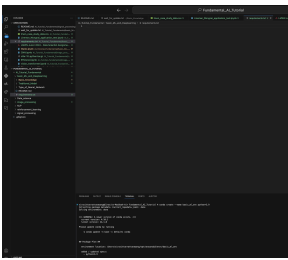
```
# Fundamental_AI_Tutorial

# 1. creating tensor

import numpy as np
import tensorflow as tf

x = tf.constant([1, 2, 3])

print('x =', x)
print('x.shape =', x.shape)
print('x.dtype =', x.dtype)
```



c skip this part if you have env)

1. When you create a new project that need to be deployed you need to create a new environment

`conda create --name myenv python=3.9`

```

sirasittanrattanawong@Sirasits-MacBook-Air Fundamental_AI_Tutorial % conda activate basic_ml_env
(basic_ml_env) sirasittanrattanawong@Sirasits-MacBook-Air Fundamental_AI_Tutorial %

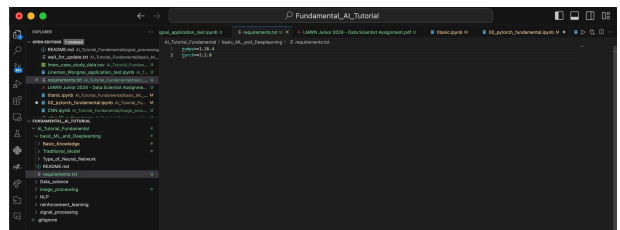
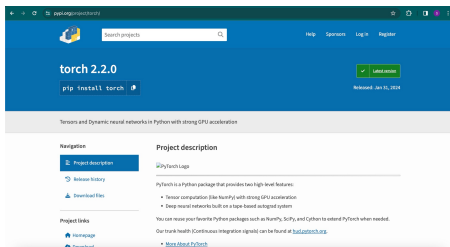
```

2. You can activate your env by using `conda activate <env name>`

3. For best practice, you should create requirements.txt file to install necessary library to the environment you created using conda

You can use this website to select the suggested version

In requirements.txt, it should be something like this



Then you can navigate to the folder of requirements.txt and use command `pip install -r requirements.txt`

your current env

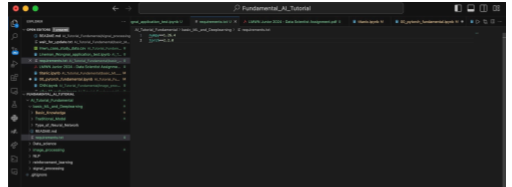
```

(basic_ml_env) sirasittanrattanawong@Sirasits-MacBook-Air basic_ml_env$ pip install -r requirements.txt
Collecting numpy-1.26.4 from -r requirements.txt (line 11)
  Downloading numpy-1.26.4-cp39-cp39-macosx_18_0_arm64.whl.metadata (21 kB)
Collecting torch-2.2.0 from -r requirements.txt (line 21)
  Downloading torch-2.2.0-cp39-macosx_18_0_arm64.whl.metadata (25 kB)
Collecting click-8.1.8 from -r requirements.txt (line 22)
  Using cached click-8.1.8-py3-none-any.whl.metadata (3.8 kB)
Collecting typing_extensions-4.8.0 from -r requirements.txt (line 22)
  Using cached typing_extensions-4.8.0-py3-none-any.whl.metadata (3.8 kB)
Collecting pytorch-1.12.0 from -r requirements.txt (line 21)
  Using cached pytorch-1.12.0-cp39-macosx_18_0_arm64.whl (15.7 MB)
Collecting networkx-3.2.1 from -r requirements.txt (line 21)
  Using cached networkx-3.2.1-py3-none-any.whl.metadata (5.2 kB)
Collecting opencv-4.9.0 from -r requirements.txt (line 21)
  Using cached opencv-4.9.0-cp39-macosx_18_0_arm64.whl (13.8 kB)
Collecting librosa-0.10.0 from -r requirements.txt (line 21)
  Using cached librosa-0.10.0-cp39-macosx_18_0_arm64.whl (13.8 kB)

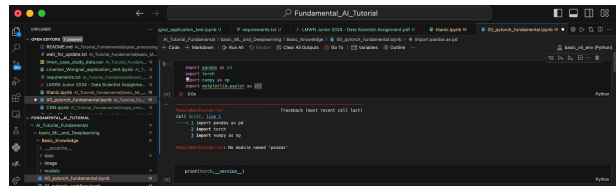
```

Next when you want to install more libraries you could add them to the requirements.txt file then use  
`pip install -r requirements.txt`  
all of your library will be in your env

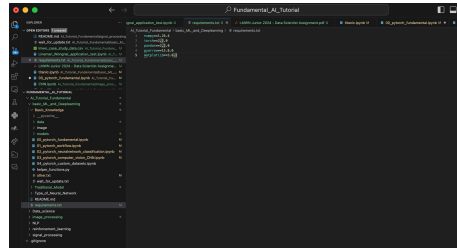
ex. current requirements.txt



you don't have pandas library



update requirements.txt and  
`pip install -r requirements.txt`



for running with symbol  
not python command  
you need to change env  
for every notebook you run

