

Information

- Title : 0.Getting Started 수행한 결과를 캡처한 파일
- ID : 12164484
- Name : 송해소
- Time : 2021.03.11

Part I : Ipython

IPython: C:\Users\Benjamin

```
(c) 2019 Microsoft Corporation. All rights reserved.

(base) C:\Users\Benjamin>ipython
Python 3.7.10 (default, Feb 26 2021, 13:06:18) [MSC v.1916 64 bit (AMD64)]
Type 'copyright', 'credits' or 'license' for more information
IPython 7.21.0 -- An enhanced Interactive Python. Type '?' for help.

In [1]: x=[1,2,3]

In [2]: x
Out[2]: [1, 2, 3]

In [3]: x.<TAB>
File "<ipython-input-3-b6926ca0b48e>", line 1
x.<TAB>
^
SyntaxError: invalid syntax

In [4]: x.TAB
-----
AttributeError                                Traceback (most recent call last)
<ipython-input-4-b8eed75dad9> in <module>
----> 1 x.TAB

AttributeError: 'list' object has no attribute 'TAB'

In [5]: x.<TAB>
File "<ipython-input-5-b6926ca0b48e>", line 1
x.<TAB>
^
SyntaxError: invalid syntax

In [6]: x.append(4)
```

```
In [7]: y=Out[2]

In [8]: y
Out[8]: [1, 2, 3, 4]

In [9]: y?
Type:      list
String form: [1, 2, 3, 4]
Length:    4
Docstring:
Built-in mutable sequence.

If no argument is given, the constructor creates a new empty list.
The argument must be an iterable if specified.
```

```

In [17]: def negate(x):
...:     """
...:     Negate an input list
...:     """
...:     return [i*-1 for i in x]
...:

In [18]: y=negate(x)

In [19]: y
Out[19]: [-1, -2, -3, -4]

In [20]: negate?
Signature: negate(x)
Docstring: Negate an input list
File:      c:\users\benjamin\<ipython-input-17-08003658079d>
Type:      function

In [21]: negate??
Signature: negate(x)
Source:
def negate(x):
    """
    Negate an input list
    """
    return [i*-1 for i in x]
File:      c:\users\benjamin\<ipython-input-17-08003658079d>
Type:      function

```

```

In [22]: import numpy as np

In [23]: x=np.random.randn(1000000)

In [24]: %time y = np.sort(x)
Wall time: 70.8 ms

In [25]: %time y = np.sort(x)
Wall time: 71.8 ms

In [26]: %timit y = np.sort(x)
UsageError: Line magic function `%timit` not found.

In [27]: %timeit y = np.sort(x)
71.2 ms ± 399 µs per loop (mean ± std. dev. of 7 runs, 10 loops each)

```

Part II : Jupyter

Shift + Enter

- simultaneously to execute the statements in the cell

```

1 x=1+4
2 print(x)

```

```

1 5

```

