
Python-Note Documentation

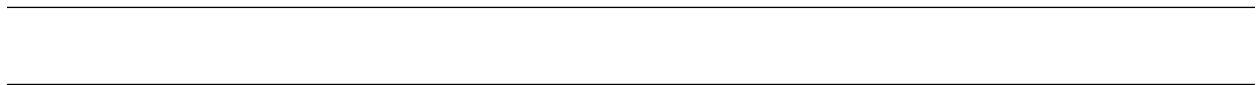
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Contents:

1		1
1.1	1
2		3
3		5
3.1	dis	5
3.2	doctest	6
4 python2-3		7
4.1	six	7
5		9
6 Notifier		11
6.1	OSX	11
7 IPython		13
7.1	IPython	13
8 Indices and tables		15

CHAPTER 1



1.1

Remember, that the @decorator syntax is just syntactic sugar; the syntax:

```
@property
def foo(self):
    return self._foo
```

really means the same thing as

```
def foo(self):
    return self._foo
foo = property(foo)
```


CHAPTER 2

- - *dis*
 - * *refer*
 - *doctest*
 - * *refer*

Pythonpython

3.1 dis

pythonmyfunc:

```
def myfunc(alist):  
    return len(alist)
```

dis:

```
>>> dis.dis(myfunc)  
2           0 LOAD_GLOBAL           0 (len)  
           3 LOAD_FAST             0 (alist)  
           6 CALL_FUNCTION           1  
           9 RETURN_VALUE
```

3.1.1 refer

<https://docs.python.org/2/library/dis.html#module-dis>

3.2 doctest

:

```
import doctest
doctest.testmod()
```

3.2.1 refer

<https://docs.python.org/3/library/doctest.html>

CHAPTER 4

python2-3

- *python2-3*
 - *six*
 - * *__future__*

4.1 six

Python2-3 six

```
from six.moves import urllib
# import urllib.request
```

urllib

4.1.1 `__future__`

```
__init__ from __future__ import division python2python3
```


CHAPTER 5

clean code

6.1 OSX

```
import os

# The notifier function
def notify(title, subtitle, message):
    t = '-title {!r}'.format(title)
    s = '-subtitle {!r}'.format(subtitle)
    m = '-message {!r}'.format(message)
    os.system('terminal-notifier {}'.format(' '.join([m, t, s])))

# Calling the function
notify(title    = 'A Real Notification',
       subtitle = 'with python',
       message  = 'Hello, this is me, notifying you!')
```

6.1.1 refer

<https://stackoverflow.com/questions/17651017/python-post-osx-notification>

- *IPython*
 - *IPython*
 - * *refer*

7.1 IPython

This might help you, though it's not exactly what Spyder offers and is much simpler:

To get a list of all currently defined variables, run `who` :

```
In [1]: foo = 'bar'

In [2]: who
foo
```

For more detail, run `whos`:

```
In [3]: whos
Variable  Type      Data/Info
-----
foo       str       bar
```

For a complete list of built-in functions see Magic Commands

7.1.1 refer

<https://stackoverflow.com/questions/37718907/variable-explorer-in-jupyter-notebook/37719560#>

37719560?newreg=76a86d7a8bc2410998416d13eaf5cf08

CHAPTER 8

Indices and tables

- `genindex`
- `modindex`
- `search`