



EXPLORER

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percipio36_docstrings.p...
percipio37_code_comme...

PYTHON

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 - 02_Data-Sequence Types
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percipio36_docstrings.py

percipio37_code_comments.py

```
1 '''percipio37_code_comments.py
2 Percipio video: Working with Files; Code Comments
3
4 Module docstrings are part of comments
5 Triple-quoted marks appear in shell when Python program is run
6 Hash marked comments do not appear in shell when Python program is run
7 PEP 8 documents comments
8 '''
9 nl = '\n'
10
11 class Simple():
12     '''Class docstrings should be included as comments.'''
13
14     # Comments can be included at the same level of indentation
15     # Block comments start each line the same way
16
17     def __init__(self, value): # Inline comments share a line with the code. This is not recommended in Python
18         '''Method docstrings are important comments'''
19         self.value = value
20
21     def double(self): # avoid obvious comments
22         ''' Return double the initial value'''
23         return 2 * self.value # triple the value
24         # Comments that conflict with the code
25         # are worse than no comments at all
26
27     def __mul__(self, value):
28         ''' Implement the * operator for self.value * value '''
29         return self.value * value
30
31     def __rmul__(self, value):
32         ''' Implement the * operator for reversed operands '''
33         return value * self.value
34
35     def triple(value):
36         '''Return three times the value'''
37         return 3 * value
38
```

```
'''percipio37_code_comments.py
Percipio video: Working with Files; Code Comments

Module docstrings are part of comments
Triple-quoted marks appear in shell when Python program is run
Hash marked comments do not appear in shell when Python program is run
PEP 8 documents comments
'''

nl = '\n'

class Simple():
    '''Class docstrings should be included as comments.'''

    # Comments can be included at the same level of indentation
    # Block comments start each line the same way

    def __init__(self, value): # Inline comments share a line with the code. This is not recommended in Python
        '''Method docstrings are important comments'''
        self.value = value

    def double(self): # avoid obvious comments
        ''' Return double the initial value'''
        return 2 * self.value # triple the value
        # Comments that conflict with the code
        # are worse than no comments at all

    def __mul__(self, value):
        ''' Implement the * operator for self.value * value '''
        return self.value * value

    def __rmul__(self, value):
        ''' Implement the * operator for reversed operands '''
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    def triple(value):
        '''Return three times the value'''
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```

1

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return 3 * value

simple = Simple(10) # Create an instance of the Simple class

print('Double the simple value is:', simple.double()) # double using method

print('Triple the simple value is:', simple.triple()) # triple using function

print('Comments do not appear in the automatically-generated help')

help(__name__)

'''

RESULTS:

Double the simple value is: 20

Triple the simple value is: 30

Comments do not appear in the automatically-generated help

Help on module __main__:

NAME

__main__

DESCRIPTION

percipio37_code_comments.py

Percipio video: Working with Files; Code Comments

Module docstrings are part of comments

Triple-quoted marks appear in shell when Python program is run

Hash marked comments do not appear in shell when Python program is run

PEP 8 documents comments



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```
61  PEP 8 documents comments
62
63  CLASSES
64
65      builtins.object
66          Simple
67
68      class Simple(builtins.object)
69          | Class docstrings should be included as comments.
70          |
71          | Methods defined here:
72          |
73          |     __init__(self, value)
74          |         Method docstrings are important comments
75          |
76          |     __mul__(self, value)
77          |         Implement the * operator for self.value * value
78          |
79          |     __rmul__(self, value)
80          |         Implement the * operator for reversed operands
81          |
82          |     double(self)
83          |         Return double the initial value
84          |
85          |     triple(value)
86          |         Return three times the value
87          |
88          | -----
89          | Data descriptors defined here:
90          |
91          |     __dict__
92          |         dictionary for instance variables (if defined)
93          |
94          |     __weakref__
95          |         list of weak references to the object (if defined)
96
97  DATA
98
99      __annotations__ = {}
100      nl = '\n'
101      simple = <__main__.Simple object>
102
103  FILE
104
105      c:\python36x64\test.py
106      ...
```