



EXPLORER

OPEN EDITORS

percipio36_docstrings.p...

PYTHON

▶ Automate-Boring-Stuff

▶ my_code

▶ Percipio_Python3-Course

▶ 01_Start

▶ 02_Data-Sequence Types

▶ 03_Collections-Mapping-L...

▶ 04_Modules-Functions

▶ 05_Classes

▶ 06_Working-with-Files

percipio36_docstrings.py

percipio37_code_comm...

percipio38_documentat...

percipio39_reading_text...

percipio40_writing_data...

percipio41_writing_large...

percipio42_reading_bin...

percipio43_writing_bina...

percipio44_exercise_cre...

▶ 07_Comprehensions

▶ 08_Iterables-and-Generat...

▶ 09_Exceptions

▶ Python Projects_2014

≡ CMD_Python_Set-Path.txt

≡ Python_Basics.txt

≡ Python_Clear-Window-Com...

python_exercises_00.py

python_exercises_01.py

Python_Tutorial_Running-Sc...

Python_Tutorials.md

percipio36_docstrings.py x

```
1  '''The module docstring appears at the top of the file
2
3  A triple-quoted string appearing at the beginning of a Python file is known as that modules docstring.
4  When importing a module and using 'help', it is this docstring that will appear.
5
6  If a longer description of more than one line is needed, a blank line should be skipped after the first line
7  and then a longer description can be provided.
8
9  Blank lines should also be used to seperate multiple paragraphs as necessary.
10
11 Docstrings have double-underscore-doc-double-underscore (__doc__) attributes which identify them.
12
13 PEP 257 defines the technical details of docstrings.
14 [Python Enhancement Proposals](https://www.python.org/dev/peps/)'''
15
16 # percipio36_docstrings.py
17 # Percipio video: Working with Files
18 nl = '\n'
19
20 class DocumentMe():
21     '''docstrings for classes follows the same rules.'''
22
23     def __init__(self):
24         '''docstrings for methods can be used'''
25         # Interesting side-use of docstrings:
26         self.text = '''Triple-quoted strings can be
27         used to hold WYSIWYG
28         formatted string.'''
29         # In this case when an instance of 'DocumentMe' class is created, the 'self.text' attribute of this
30         instance will hold this triple-quoted string.
31
32     def funk():
33         '''docstrings for normal functions'''
34         pass # 'pass' is a no-action placeholder for a function
35
36 '''Docstrings can be used as long comments as well.'''
37 print('The module docstring writted as \'__doc__\':', __doc__) # without any qualification while in the main
38 namespace, __doc__ refers to the module
39 print('The class docstring writted as \'DocumentMe.__doc__\':', DocumentMe.__doc__) # to access, use the
40 classname-dot then __doc__
41 print('A method docstring writted as \'DocumentMe.__init__.__doc__\':', DocumentMe.__init__.__doc__) # to
42 access further into the class using the special init method
43 print('A function docstring writted as \'funk.__doc__\':', funk.__doc__) # to access, use the function-dot
44 then __doc__
45 # Do not need to print these help statements (only for display purpose)
```




- EXPLORER
- OPEN EDITORS
- percipio36_docstrings.p...
- PYTHON
- Automate-Boring-Stuff
 - my_code
 - Percipio_Python3-Course
 - 01_Start
 - 02_Data-Sequence Types
 - 03_Collections-Mapping-L...
 - 04_Modules-Functions
 - 05_Classes
 - 06_Working-with-Files
 - percipio36_docstrings.py
 - percipio37_code_comm...
 - percipio38_documentat...
 - percipio39_reading_text...
 - percipio40_writing_data...
 - percipio41_writing_large...
 - percipio42_reading_bin...
 - percipio43_writing_bina...
 - percipio44_exercise_cre...
 - 07_Comprehensions
 - 08_Iterables-and-Generat...
 - 09_Exceptions
 - Python Projects_2014
 - CMD_Python_Set-Path.txt
 - Python_Basics.txt
 - Python_Clear-Window-Com...
 - python_exercises_00.py
 - python_exercises_01.py
 - Python_Tutorial_Running-Sc...
 - Python_Tutorials.md

percipio36_docstrings.py

```
39
40 print('Docstrings are automatically used by Python\'s help function:')
41 print(nl, 'MODULE HELP:')
42 print('help(__name__) = ', help(__name__)) # help(__name__) help within the current namespace & module
43 print(nl, 'CLASS HELP:')
44 print('help(DocumentMe) = ', help(DocumentMe)) # help(class-name) help for a class
45 print(nl, 'FUNCTION HELP:')
46 print('help(funk) = ', help(funk)) # help(function-name) = help for a function
47 '''
48 RESULTS:
49 NEED TO PLAY WITH THESE RESULTS.  THEY'RE A LITTLE FUNKY.
50
51 The module docstring writted as '__doc__': The module docstring appears at the top of the file
52
53 A triple-quoted string appearing at the beginning of a Python file is known as that modules docstring.
54 When importing a module and using 'help', it is this docstring that will appear.
55
56 If a longer description of more than one line is needed, a blank line should be skipped after the first line
57 and then a longer description can be provided.
58
59 Blank lines should also be used to seperate multiple paragraphs as necessary.
60
61 Docstrings have double-underscore-doc-double-underscore (__doc__) attributes which identify them.
62
63 PEP 257 defines the technical details of docstrings.
64 [Python Enhancement Proposals](https://www.python.org/dev/peps/)
65 The class docstring writted as 'DocumentMe.__doc__': docstrings for classes follows the same rules.
66 A method docstring writted as 'DocumentMe.__init__.__doc__': docstrings for methods can be used
67 A function docstring writted as 'funk.__doc__': docstrings for normal functions
68 Docstrings are automatically used by Python's help function:
69
70 MODULE HELP:
71 Help on module __main__:
72
73 NAME
74
75     __main__ - The module docstring appears at the top of the file
76
77 DESCRIPTION
78
79     A triple-quoted string appearing at the beginning of a Python file is known as that modules docstring.
80     When importing a module and using 'help', it is this docstring that will appear.
81
82     If a longer description of more than one line is needed, a blank line should be skipped after the first
83     line and then a longer description can be provided.
84
85     Blank lines should also be used to seperate multiple paragraphs as necessary.
```





EXPLORER	
OPEN EDITORS	
percipio36_docstrings.p...	
PYTHON	
Automate-Boring-Stuff	
my_code	
Percipio_Python3-Course	
01_Start	
02_Data-Sequence Types	
03_Collections-Mapping-L...	
04_Modules-Functions	
05_Classes	
06_Working-with-Files	
percipio36_docstrings.py	
percipio37_code_comm...	
percipio38_documentat...	
percipio39_reading_text...	
percipio40_writing_data...	
percipio41_writing_large...	
percipio42_reading_bin...	
percipio43_writing_bina...	
percipio44_exercise_cre...	
07_Comprehensions	
08_Iterables-and-Generat...	
09_Exceptions	
Python Projects_2014	
CMD_Python_Set-Path.txt	
Python_Basics.txt	
Python_Clear-Window-Com...	
python_exercises_00.py	
python_exercises_01.py	
Python_Tutorial_Running-Sc...	
Python_Tutorials.md	

80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117

Blank lines should also be used to separate multiple paragraphs as necessary.

Docstrings have double-underscore-doc-double-underscore (`__doc__`) attributes which identify them.

PEP 257 defines the technical details of docstrings.
[Python Enhancement Proposals](<https://www.python.org/dev/peps/>)

CLASSES

```
builtins.object
    DocumentMe

class DocumentMe(builtins.object)
    | docstrings for classes follows the same rules.
    |
    | Methods defined here:
    |
    | __init__(self)
    |     docstrings for methods can be used
    |
    | -----
    | Data descriptors defined here:
    |
    | __dict__
    |     dictionary for instance variables (if defined)
    |
    | __weakref__
    |     list of weak references to the object (if defined)
```

FUNCTIONS

```
funk()
    | docstrings for normal functions
```

DATA

```
__annotations__ = {}
nl = '\n'
```

FILE





EXPLORER



OPEN EDITORS

percipio36_docstrings.p...

PYTHON

Automate-Boring-Stuff

my_code

Percipio_Python3-Course

01_Start

02_Data-Sequence Types

03_Collections-Mapping-L...

04_Modules-Functions

05_Classes

06_Working-with-Files

percipio36_docstrings.py

percipio37_code_comm...

percipio38_documentat...

percipio39_reading_text...

percipio40_writing_data...

percipio41_writing_large..

percipio42_reading_bin...

percipio43_writing_bina...

percipio44_exercise_cre...

07_Comprehensions

08_Iterables-and-Generat...

09_Exceptions

Python Projects_2014

CMD_Python_Set-Path.txt

Python_Basics.txt

Python_Clear-Window-Com...

python_exercises_00.py

python_exercises_01.py

Python_Tutorial_Running-Sc...

Python_Tutorials.md

percipio36_docstrings.py

```
116
117 FILE
118 c:\python36x64\test.py
119
120
121 help(__name__) = None
122
123 CLASS HELP:
124 Help on class DocumentMe in module __main__:
125
126 class DocumentMe(builtins.object)
127 | docstrings for classes follows the same rules.
128 |
129 | Methods defined here:
130 |
131 | __init__(self)
132 |     docstrings for methods can be used
133 |
134 | -----
135 | Data descriptors defined here:
136 |
137 | __dict__
138 |     dictionary for instance variables (if defined)
139 |
140 | __weakref__
141 |     list of weak references to the object (if defined)
142
143 help(DocumentMe) = None
144
145 FUNCTION HELP:
146 Help on function funk in module __main__:
147
148 funk()
149 | docstrings for normal functions
150
151 help(funk) = None
152
```

```
116
117 FILE
118 c:\python36x64\test.py
119
120
121 help(__name__) = None
122
123 CLASS HELP:
124 Help on class DocumentMe in module __main__:
125
126 class DocumentMe(builtins.object)
127 | docstrings for classes follows the same rules.
128 |
129 | Methods defined here:
130 |
131 | __init__(self)
132 |     docstrings for methods can be used
133 |
134 | -----
135 | Data descriptors defined here:
136 |
137 | __dict__
138 |     dictionary for instance variables (if defined)
139 |
140 | __weakref__
141 |     list of weak references to the object (if defined)
142
143 help(DocumentMe) = None
144
145 FUNCTION HELP:
146 Help on function funk in module __main__:
147
148 funk()
149 | docstrings for normal functions
150
151 help(funk) = None
152
```