



EXPLORER

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{ } User Settings C:\Users\pcurti...

percipio07\_boolean\_type.py...

PYTHON

Automate-Boring-Stuff

my\_code

Percipio\_Python3-Course

01\_Start

02\_Data-Sequence Types

percipio04\_int\_types.py

percipio05\_float\_type.py

percipio06\_math\_functions....

percipio07\_boolean\_type.py

percipio08\_Strings.py

percipio09\_float\_type.py

percipio10\_bytes\_type.py

percipio11\_bytearray\_type.py

percipio12\_list\_type.py

percipio13\_tuple\_type.py

percipio14\_slice\_type.py

percipio14a\_list\_copy\_boole..

03\_Collections-Mapping-Loo...

04\_Modules-Functions

05\_Classes

06\_Working-with-Files

07\_Comprehensions

08\_Iterables-and-Generators

09\_Exceptions

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percipio07\_boolean\_type.py •

```
1  '''
2  percipio07_boolean_type.py
3  Percipio video: Data & Sequence Types
4  The only two instances of the boolean class are True or False
5  '''
6  x = 1
7  print('bool(x) =', bool(x))
8  y = 0
9  print('bool(y) =', bool(y))
10 # The bool class is a subclass of int
11 # Zero values are False, non-zero are True
12 # Values considered false in Python (i.e. none)
13 if not None: print('None is false') #
14 if not False: print('false is false') #
15 if not (0 or 0.0 or 0j): print('all types of zero is false') #
16 if not ('' or [] or ()): print('Empty sequences are false') #
17 if not ({} or set([])): print('Empty mappings (dictionaries & sets) are false') #
18 # Boolean operators are Or, And, & Not
19 # Boolean Or returns first True, OR last False value
20 print(' Boolean Or explained:')
21 print('True or false returns', True or False) #
22 print('1 or 0 returns', 1 or 0) #
23 print('None or 0 returns', None or 0) #
24 # Boolean And returns first False, OR last True value
25 print(' Boolean And explained:')
26 print('True and False returns', True and False) #
27 print('1 and 0 returns', 1 and 0) #
28 # Boolean Not returns False if operand is True
```



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Python Projects\_2014

CMD\_Python\_Set-Path.txt

Python\_Basics.txt

Python\_Clear-Window-Comman..

python\_exercises\_00.py

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percipio07\_boolean\_type.py

```
28 # Boolean Not returns False if operand is True
29 print(' Boolean Not explained:')
30 print('Not True returns', not True) #
31 print('Not 1 returns', not 1) #
32 print('Not "text" returns', not "text") #
33 # Boolean Not returns True if operand is False
34 print('Not False returns', not False) #
35 print('Not 0 returns', not 0) #
36 print('Not "" returns', not "") #
37 '''
38 RESULTS:
39 bool(x) = True
40 bool(y) = False
41 None is false
42 false is false
43 all types of zero is false
44 Empty sequences are false
45 Empty mappings (dictionaries & sets) are false
46 Boolean Or explained:
47 True or false returns True
48 1 or 0 returns 1
49 None or 0 returns 0
50 Boolean And explained:
51 True and False returns False
52 1 and 0 returns 0
53 Boolean Not explained:
54 Not True returns False
55 Not 1 returns False
56 Not "text" returns False
57 Not False returns True
58 Not 0 returns True
59 Not "" returns True
60 '''
```