



EXPLORER

1 OPEN EDITORS 1 UNSAVED

- User Settings C:\Users\pcurtis7\AppData\Roamin...
- percipio14a_list_copy_boolean_checks.py Perc...

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.py
 - 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_boolean_checks.py
 - 03_Collections-Mapping-Looping
 - 04_Modules-Functions
 - 05_Classes
 - 06_Working-with-Files
 - 07_Comprehensions
 - 08_Iterables-and-Generators
 - 09_Exceptions
- Python Projects_2014
- CMD_Python_Set-Path.txt
- Python_Basics.txt
- Python_Clear-Window-Command.txt
- python_exercises_00.py
- python_exercises_01.py
- Python Tutorial Running Scripts.docx

```
User Settings percipio14a_list_copy_boolean_checks.py
1  '''
2  percipio14a_list_copy_boolean_checks.py
3  Percipio video: Working with Files; List Copy Boolean Checks
4  '''
5  nl = '\n'
6  print(nl, 'original:')
7  a_list = [5, 6, 7, 8, (4, 5)]
8  print('a_list ->', a_list)
9  print(nl, 'unchanged but original list copied:')
10 list_ref = a_list # Original list
11 list_copy = a_list[:] # Copied list
12 print('list_ref ->', list_ref) # Original list
13 print('a_list[:] ->', a_list[:]) # Copied list
14 print('list_copy ->', list_copy) # Copied list
15 print(nl, 'Boolean True checks:')
16 print('a_list is list_ref ->', a_list is list_ref) # should be True = YES
17 print('a_list[:] is list_copy WHY FALSE?? ->', a_list[:] is list_copy) # should be
    True = NO-FALSE-WHY??
18 print(nl, 'Boolean False cross-checks:')
19 print('a_list is list_copy ->', a_list is list_copy) # should be False = YES
20 print('a_list[:] is list_ref ->', a_list[:] is list_ref) # should be False = YES
21 print(nl, 'WTF-checks:')
22 print('a_list is a_list[:] ->', a_list is a_list[:]) # should be False = YES
23 print('type (a_list) ->', type(a_list)) # = <class 'list'>
24 print('type(list_ref) ->', type(list_ref)) # = <class 'list'>
25 print('type (a_list[:]) ->', type(a_list[:])) # = <class 'list'>
26 print('type(list_copy) ->', type(list_copy)) # = <class 'list'>
27 print('list_copy is a_list[:] WHY FALSE?? ->', list_copy is a_list[:]) # should be
    True = NO-FALSE-WHY??
28 print('a_list[:] is a_list[:] WHY FALSE?? ->', a_list[:] is a_list[:]) # should be
    True = NO-FALSE-WHATS GOING ON HERE, a_list[:] * a_list[:] ??
29 print('list_copy is list_copy ->', list_copy is list_copy) # should be True = YES
30 print('list_copy is list_ref ->', list_copy is list_ref) # should be False = YES
31
```