percipio18_while_loop.py X **EXPLORER** # percipio18 while loop.py **A OPEN EDITORS** # Percipio video: Collections, Mapping, & Looping; The While Loop in Python percipio18_while_loop.py... # The While Loop executes code if its condition is true **▲ PYTHON** $n1 = '\n'$ ▶ Automate-Boring-Stuff 89 counter = 3 # sets a variable named counter to 3 ▶ my_code while counter > 0: # if this code lines evaluates as true, then indented code will execute ▲ Percipio_Python3-Course print('counting down:', counter) # (%) counter -= 1 # decrement statement where counter = counter minus one ▶ 01 Start ▶ 02_Data-Sequence Types while counter > 0: # this while loop will never execute 臣 ■ 03_Collections-Mapping-Lo.. print('Never executes code') percipio15_range_type_a... print('when condition is false') percipio16_set_type.py percipio17_dict_type.py while 1: # 'while: 1' actually means 'while: true' & this is a common Python idiom for a static True. print('Executes at least once') # will always print percipio18_while_loop.py if not counter: # CONFUSING-checks a condition: 1) if counter variable is 0, that's False, 2) 'not' false percipio19_forloop.py percipio20_if_statement.... break # break causes the while loop to exit whic is important with a static true percipio21_exercise_nam... ▶ 04_Modules-Functions ▶ 05 Classes ▶ 06_Working-with-Files names = ['Tom', 'Ellen'] # This list is true with 2 elements ▶ 07_Comprehensions print('names = ', names) ▶ 08 Iterables-and-Generators while names: # this line says 'while the names variable is true', execute ▶ 09_Exceptions print(names.pop(), 'is going') # pop method will remove last element from the names-variable list Python Projects_2014 print('names =', names) # I added this line ■ CMD_Python_Set-Path.txt # when names is false, while loop exits ■ Python_Basics.txt ■ Python_Clear-Window-Comm... results = [1, 0, 1] # processed = 0 # variable to count how many results were processed python_exercises_00.py passed = 0 # variable to count how many results were passed python_exercises_01.py print('processed =', processed) # I added this line Python_Tutorial_Running-Scr... print('passed =', passed) # I added this line Python_Tutorials.md while results: # a list containing elements is true processed += 1 # will increment the processed variable by +1 result = results.pop() # pop method will remove last element from the results-variable list if not result: # 1) '1' is a true value stored in result, 2) 'not' true value (1) is a false value, this condition is false & doesn't execute the 'continue' statement print('continue statement is run') continue # run only if 'if not result' statement is true, 'continue' statement will cause the loop to passed += 1 # will increment the passed variable by +1 print('processed =', processed) # I added this line print('passed =', passed) # I added this line else: # will only execute when the 'while:results:' condition is false print('Processed:', processed, 'Passed:', passed) #

田 …

