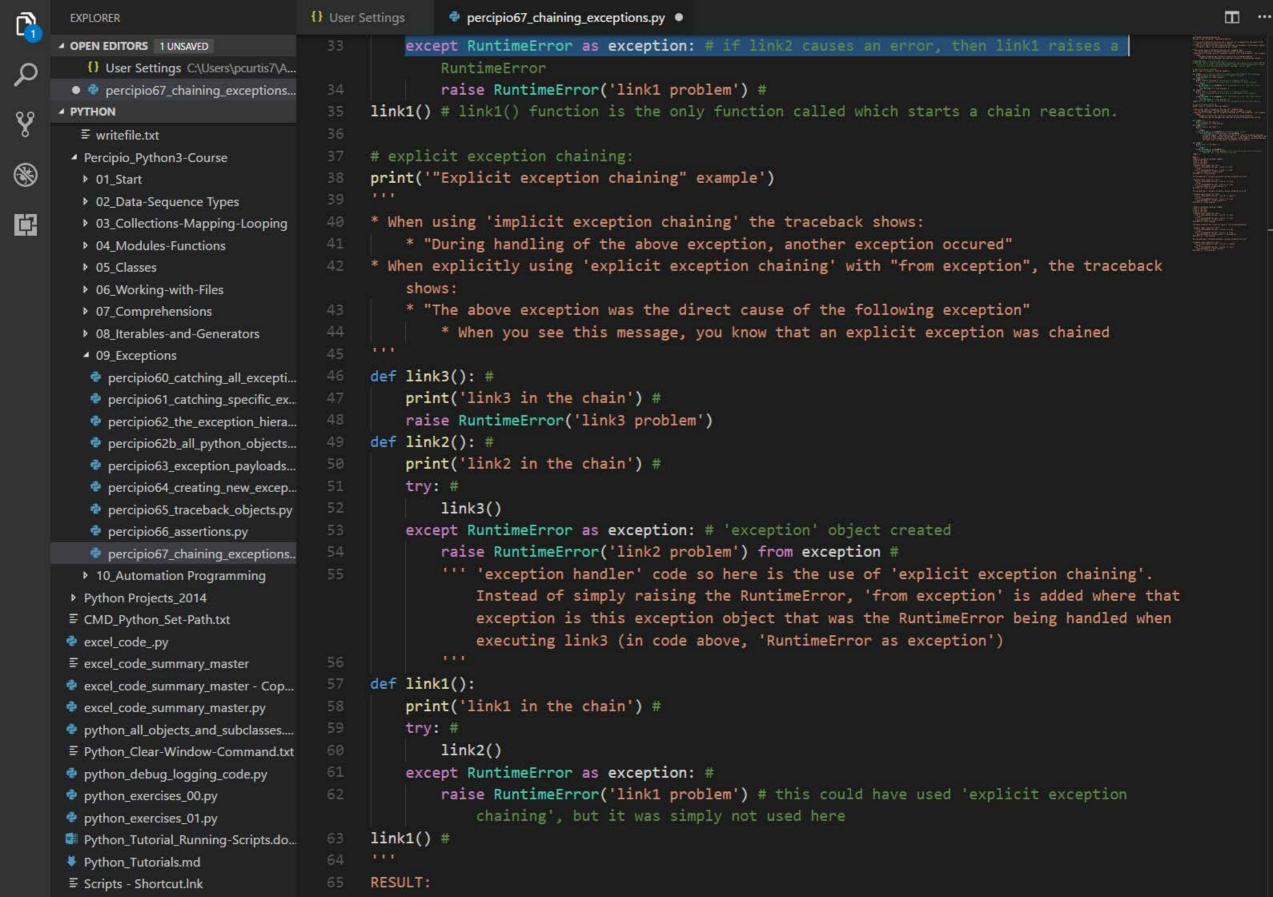
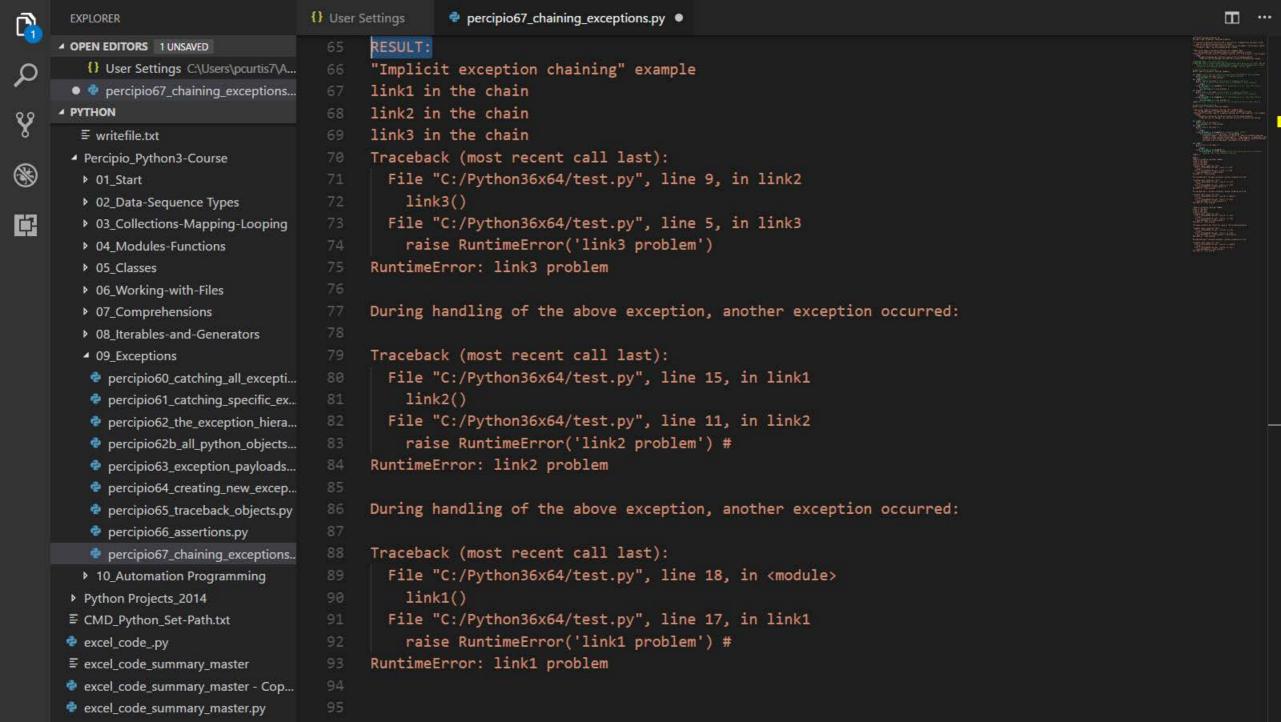
User Settings percipio67\_chaining\_exceptions.py **EXPLORER** ▲ OPEN EDITORS 1 UNSAVED percipio67 chaining exceptions.py User Settings C:\Users\pcurtis7\A... Percipio video: Exceptions; Chaining Exceptions percipio67\_chaining\_exceptions... **▲ PYTHON** ¥ \* A file with 3 different functions and 1 function call to demonstrate how implicit and writefile.txt explicit exception chaining occurs in Python. ■ Percipio\_Python3-Course 8 \* Python 3 will implicitly chain exceptions but code can be added to the exception handler ▶ 01 Start to explicit chain from the exception object created. ▶ 02\_Data-Sequence Types Ċ ▶ 03\_Collections-Mapping-Looping \* When using 'implicit exception chaining' the traceback shows: ▶ 04 Modules-Functions \* "During handling of the above exception, another exception occured" ▶ 05 Classes \* When explicitly using 'explicit exception chaining' with "from exception", the traceback ▶ 06\_Working-with-Files shows: ▶ 07\_Comprehensions \* "The above exception was the direct cause of the following exception" ▶ 08 Iterables-and-Generators \* When you see this message, you know that an explicit exception was chained ■ 09\_Exceptions percipio60 catching all excepti... What is the chain referred to? percipio61\_catching\_specific\_ex... percipio62\_the\_exception\_hiera... "While trying to handle the link3 problem, there was a call to link2", WHY was there a call to link2? The link3 RuntimeError doesn't stop the program and it simply percipio62b\_all\_python\_objects... continues on after sending the RuntimeError message? Is this right? percipio63\_exception\_payloads... percipio64\_creating\_new\_excep... # implicit exception chaining: percipio65\_traceback\_objects.py print('"Implicit exception chaining" example') percipio66\_assertions.py percipio67\_chaining\_exceptions.. def link3(): # this function simply prints and raises a RuntimeError with a message ▶ 10\_Automation Programming print('link3 in the chain') # prints it's name on the chain ▶ Python Projects 2014 raise RuntimeError('link3 problem') def link2(): # excel\_code\_.py print('link2 in the chain') # also prints it's name on the chain ≡ excel\_code\_summary\_master try: # trys to execute link3 unless there is a RuntimeError as an exception excel\_code\_summary\_master - Cop... link3() excel\_code\_summary\_master.py except RuntimeError as exception: # if link3 causes an error, then link2 raises a 🅏 python\_all\_objects\_and\_subclasses.... RuntimeError ■ Python\_Clear-Window-Command.txt raise RuntimeError('link2 problem') # python\_debug\_logging\_code.py def link1(): python\_exercises\_00.py print('link1 in the chain') # also prints it's name on the chain python\_exercises\_01.py try: # trys to execute link2 unless there is a RuntimeError as an exception Python\_Tutorial\_Running-Scripts.do... link2() Python\_Tutorials.md except RuntimeError as exception: # if link2 causes an error, then link1 raises a ■ Scripts - Shortcut.lnk

Ⅲ …





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percipio67_chaining_exceptions.py
                                                                                                                                                              Ⅲ ...
                                      1) User Settings
       EXPLORER

▲ OPEN EDITORS 1 UNSAVED

         User Settings C:\Users\pcurtis7\A...
       percipio67_chaining_exceptions...
                                              "Explicit exception chaining" example

▲ PYTHON
                                              link1 in the chain
89
        ≡ writefile.txt
                                              link2 in the chain
       ■ Percipio_Python3-Course
                                              link3 in the chain
(%)
         ▶ 01 Start
                                              Traceback (most recent call last):
        Data-Sequence Types
                                                File "C:/Python36x64/test.py", line 15, in link2
Ů.
        ▶ 03_Collections-Mapping-Looping
                                                   link3()
        ▶ 04 Modules-Functions
                                                File "C:/Python36x64/test.py", line 11, in link3
        ▶ 05 Classes
                                                   raise RuntimeError('link3 problem')
        ▶ 06_Working-with-Files
                                              RuntimeError: link3 problem
        07_Comprehensions
        ▶ 08_Iterables-and-Generators
                                              The above exception was the direct cause of the following exception:
        ■ 09_Exceptions
         percipio60_catching_all_excepti...
                                              Traceback (most recent call last):
         percipio61_catching_specific_ex...
                                                File "C:/Python36x64/test.py", line 23, in link1
         percipio62_the_exception_hiera...
                                                   link2()
         percipio62b_all_python_objects...
                                                File "C:/Python36x64/test.py", line 17, in link2
         percipio63_exception_payloads...
                                                   raise RuntimeError('link2 problem') from exception
          percipio64_creating_new_excep...
                                              RuntimeError: link2 problem
         percipio65_traceback_objects.py
                                       115
         percipio66_assertions.py
                                              During handling of the above exception, another exception occurred:
         percipio67_chaining_exceptions..
        ▶ 10_Automation Programming
                                              Traceback (most recent call last):
       Python Projects_2014
                                       119
                                                 File "C:/Python36x64/test.py", line 26, in <module>
       link1()
      excel_code_.py
                                                File "C:/Python36x64/test.py", line 25, in link1

    ≡ excel_code_summary_master

                                                   raise RuntimeError('link1 problem')
       excel_code_summary_master - Cop...
                                              RuntimeError: link1 problem
      excel_code_summary_master.py
```