```
percipio34_properties_with_inheritance.py X
       EXPLORER
                                                  # percipio34 properties with inheritance.py
      △ OPEN EDITORS
                                                  # Percipio video: Classes; Properties With Inheritance
         percipio34_properties_with_inherita...
Q
      ▲ PYTHON
                                                  # With properties access to them is controlled using 'getters', 'setters', & 'deleters'
       ▶ Automate-Boring-Stuff
83
                                                  # If you want to override a property & create setters or deleters, you must 1st define that property usi
       ▶ my_code
                                                  nl = ' \ n'
       ■ Percipio_Python3-Course
print(nl, '1st defined class; "Grades()":')
         ▶ 01 Start
                                                  class Grades(): #
         ▶ 02_Data-Sequence Types
                                                      # Represent a grade as a numeric score with a property
▶ 03_Collections-Mapping-Looping
                                                      def init (self, score=0): # Special method 'init' accepting a score or defaults score to 0
         ▶ 04_Modules-Functions
                                                          self. score = score # set's the instance, 'self. score', equal to that score

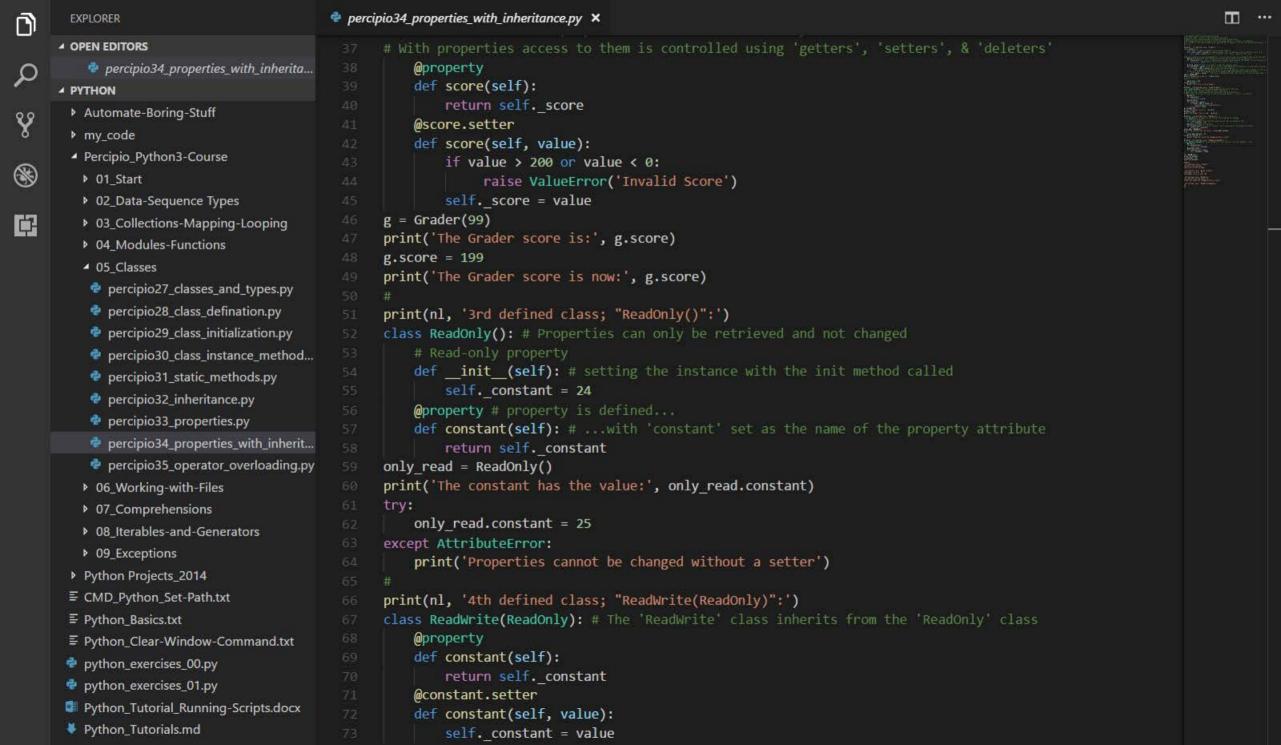
■ 05 Classes

          percipio27_classes_and_types.py
                                                      Oproperty # decorater with @ sign & the word property (think of as the 'getter'),...
          percipio28_class_defination.py
                                                      def score(self): # 'score' is defined as a property determined by the @property directly above the
          percipio29_class_initialization.py
                                                          return self. score # which returns the value of 'self, score'
          percipio30_class_instance_method...
          percipio31_static_methods.py
                                                      @ score.setter # setters are used to change the property value
          percipio32_inheritance.py
                                                      def score(self, value): # the word 'score' is used again & allow because of the decorator (because i
          percipio33_properties.py
                                                          if value > 100 or value < 0: # value setting validation
                                                              raise ValueError('Invalid score') # a score outside this range raises a ValueError with a me
          percipio34_properties_with_inherit...
                                                      # This will stop the program unless a try/except code block handling is used (see below)
          percipio35_operator_overloading.py
                                                          self. score = value # if the value is between 0 & 100, then the 'self. score' attribute gets the
         ▶ 06_Working-with-Files
                                                  math = Grades(90)
         ▶ 07_Comprehensions
                                                  print('The math score was %s.' % math.score)
         ▶ 08 Iterables-and-Generators
                                                  # try/except block
         ▶ 09 Exceptions
                                                  try:
       Python Projects_2014
                                                      math.score = 101
       except ValueError:
                                                      print('That score is not allowed')

≡ Python_Basics.txt

■ Python_Clear-Window-Command.txt

                                                  print(nl, '2nd defined class; "Grader(Grades)":')
       python_exercises_00.py
                                                  class Grader(Grades): # # percipio34 properties with inheritance.py
       python_exercises_01.py
                                                  # Percipio video: Classes; Properties With Inheritance
      Python_Tutorial_Running-Scripts.docx
                                                  # With properties access to them is controlled using 'getters', 'setters', & 'deleters'
       Python_Tutorials.md
```



0	EXPLORER	percipio34_properties_with_inheritance.py ×	ш
Q	▲ OPEN EDITORS percipio34_properties_with_inherita ▲ PYTHON	73 selfconstant = value 74 # 75 rw = ReadWrite()	15 / 15 / 15 / 15 / 15 / 15 / 15 / 15 /
≫ ®	 Automate-Boring-Stuff my_code Percipio_Python3-Course 01_Start 02_Data-Sequence Types 03_Collections-Mapping-Looping 04_Modules-Functions 05_Classes percipio27_classes_and_types.py percipio28_class_defination.py 	<pre>print(rw.constant) rw.constant = 33 print(rw.constant) "" RESULTS: 1st defined class; "Grades()": The math score was 90. That score is not allowed 2nd defined class; "Grader(Grades)": The Grader score is: 99</pre>	The state of the s
	percipio29_class_initialization.py percipio30_class_instance_method percipio31_static_methods.py percipio32_inheritance.py percipio33_properties.py percipio34_properties_with_inherit percipio35_operator_overloading.py 06_Working-with-Files	The Grader score is now: 199 38 3rd defined class; "ReadOnly()": The constant has the value: 24 91 Properties cannot be changed without a setter 92 4th defined class; "ReadWrite(ReadOnly)": 94 24 95 33 96 **** **** **** **** **** **** *** ****	