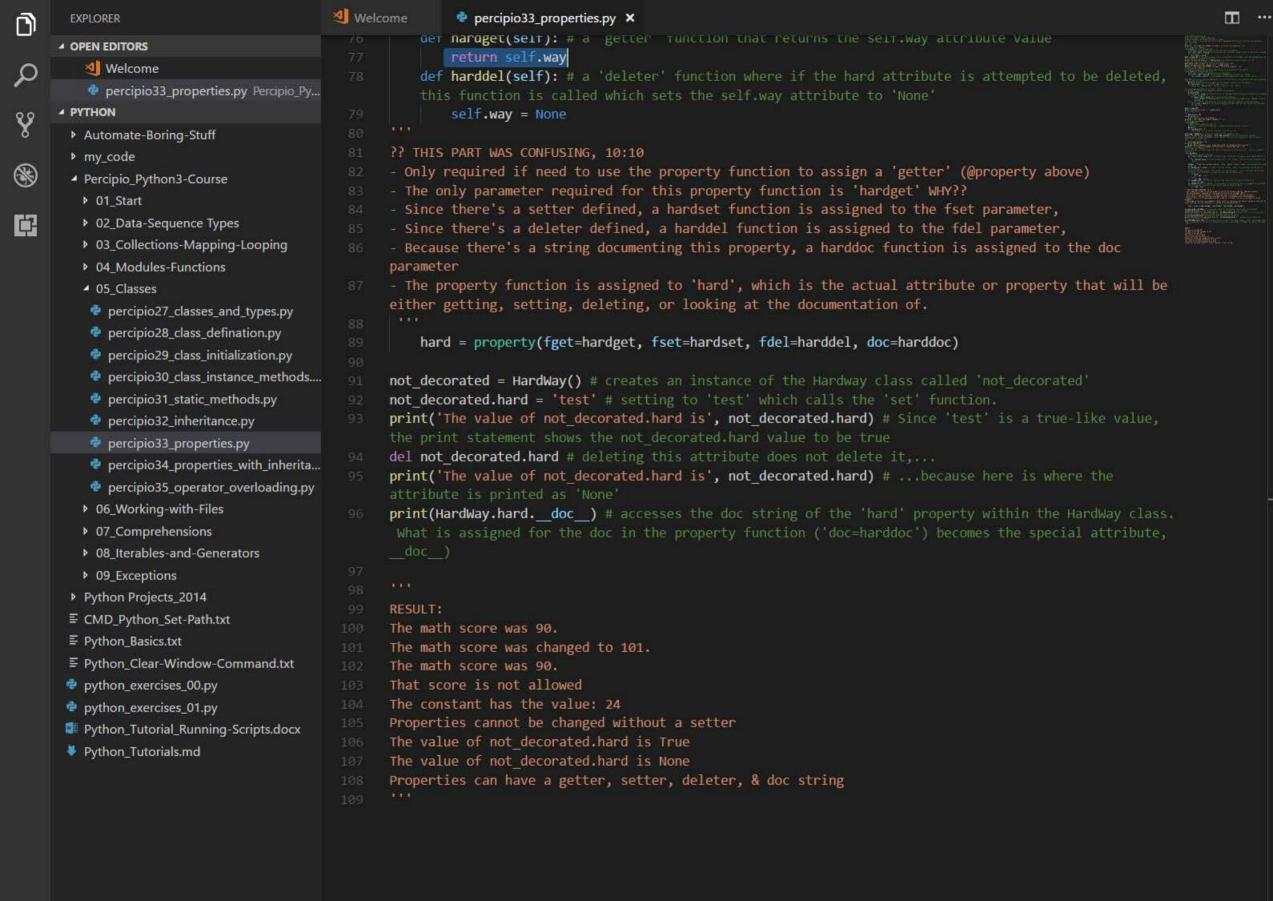




Welcome Ⅲ … percipio33_properties.py X **EXPLORER** print('The math score was %s.' % math.score) **A OPEN EDITORS** # try/except block Welcome try: percipio33_properties.py Percipio_Py... math.score = 101 **▲ PYTHON** Y except ValueError: ▶ Automate-Boring-Stuff print('That score is not allowed') my_code print(nl, '3rd Properties Example "ReadOnly"', nl) (%) ■ Percipio_Python3-Course # 3rd Properties Example class ReadOnly(): ▶ 01 Start # Demonstrate a read-only property 02_Data-Sequence Types # Notice only the property decorator is used on a function called 'constant' ▶ 03_Collections-Mapping-Looping @property ▶ 04_Modules-Functions def constant(self): # ■ 05 Classes return 24 # function called 'constant' only returns '24' percipio27_classes_and_types.py only read = ReadOnly() # creates an instance of this ReadOnly class percipio28_class_defination.py print('The constant has the value:', only read.constant) # returns the constant function percipio29_class_initialization.py percipio30_class_instance_methods.... without the try/except code percipio31_static_methods.py try: percipio32_inheritance.py only read.constant = 25 percipio33_properties.py except AttributeError: percipio34_properties_with_inherita... print('With a ReadOnly class, properties cannot be changed without a setter') print(nl, '4th Properties Example "the hard way to create properties"', nl) percipio35_operator_overloading.py # 4th Properties Example ▶ 06_Working-with-Files # The 'hard way' to create properties (Before the property & setter decorators, there is a property ▶ 07_Comprehensions ▶ 08 Iterables-and-Generators class HardWay(): ▶ 09_Exceptions # Demonstrate property function Python Projects_2014 def init (self, value=True): # creates a new instance which accepts a value (which defaults to True) ≡ CMD_Python_Set-Path.txt self.hardset(value) # in the instance (self), the 'hardset' function will be called with the ≡ Python_Basics.txt ■ Python_Clear-Window-Command.txt python_exercises_00.py harddoc = 'Properties can have a getter, setter, deleter, & doc string' # only documentation about python_exercises_01.py Python_Tutorial_Running-Scripts.docx def hardset(self, value): # 'setter' function (setter = what it's called when the instance is first created) Python_Tutorials.md # 'hardset' accepts a value if the value is a true-like value. If so, it assigns the self.way if value: self.way = True else: self.way = False def hardget(self): # a 'getter' function that returns the self.way attribute value return self.way def harddel(self): # a 'deleter' function where if the hard attribute is attempted to be deleted, 30 A 0 Ln 39, Col 1 (44 selected) Spaces: 4 UTF-8 CRLF Python 🙂





Ln 77, Col 24 (16 selected) Spaces: 4 UTF-8 CRLF Python 🙂

30 A 0