Inheritance

Total points 5/5

Theory test for inheritance in Python.

✓ What is inheritance in Python? *   1/1

○ A way to stop objects from interacting with each other so classes cannot change or interact with the specific variables and functions of an object

● A way to extend the functionality of the code's existing classes to eliminate repetitive code   ✓

○ A way to isolate the impact of changes made to the code so the change will only affect the variables shown and not the outside code

○ A way to allow different classes to have methods with the same name

---

✓ What are the four **main** types of inheritance? *   1/1

○ Single, Multilevel, Hybrid, Hierarchical

○ Single, Multiple, Hybrid, Hierarchical

○ Single, Multiple, Multilevel, Hybrid

● Single, Multilevel, Multiple, Hierarchical   ✓

✓ How does Python handle method resolution order (MRO) in multiple   *1/1
   inheritance?

   ⦿ It follows a left-to-right depth-first order   ✓

   ◯ It follows a right-to-left depth-first order

   ◯ It follows a left-to-right breadth-first order

   ◯ It follows a right-to-left breadth-first order

✓ What is a mixin in Python? *   1/1

   ◯ A class that can be used as a template for creating other classes

   ⦿ A class that is implementing a specific set of features that is needed in many   ✓
      different classes

   ◯ A class that can only be used as a base class for other classes

   ◯ None of the above

✓ It's considered a good practice to instantiate mixins: *   1/1

   ◯ True

   ⦿ False   ✓

Google Forms