

Encapsulation

Total points 10/10

This is a theory test for encapsulation in python.

✓ What is encapsulation in Python? *

1/1

- ☐ A way of converting Python code into an executable file.
- ☐ A way of creating complex data structures in Python.
- ☒ A way to put restrictions and prevent accidental modification of data. ✓
- ☐ A method of debugging Python code.

✓ What is a getter method in Python? *

1/1

- ☐ A method used to set the value of a variable.
- ☐ A method used to print the value of a variable.
- ☐ A method used to delete a variable.
- ☒ A method used to get the value of a variable. ✓



✓ What is a setter method in Python? *

1/1

- ☒ A method used to set the value of a variable. ✓
- ☐ A method used to get the value of a variable.
- ☐ A method used to delete a variable.
- ☐ A method used to print the value of a variable.

✓ What is private access modifier in Python? *

1/1

- ☐ A modifier used to restrict access to a variable or method only within the package.
- ☒ A modifier used to restrict access to a variable or method only within the class. ✓
- ☐ A modifier used to restrict access to a variable or method only within the module.
- ☐ A modifier used to restrict access to a variable or method only within the program.

✓ What is protected access modifier in Python? *

1/1

- ☐ A modifier used to restrict access to a variable or method only within the class.
- ☐ A modifier used to restrict access to a variable or method only within the package.
- ☐ A modifier used to restrict access to a variable or method only within the module.
- ☒ A modifier used to restrict access to a variable or method within the class and its subclasses. ✓



✓ Can we access protected attributes from a class in the global scope in Python? *1/1

☒ Yes



☐ No

✓ What is name mangling in Python? * 1/1

☐ A process of encrypting the names of variables and methods in Python.

☒ A process of adding prefixes to the names of variables and methods in Python. ✓

☐ A process of adding underscores to the names of variables and methods in Python.

☐ None of the above

✓ What is the syntax for declaring a private variable in Python? * 1/1

☒ __variable_name



☐ _variable_name

☐ variable_name

☐ private_variable_name



✓ What is the syntax for declaring a protected variable in Python? * 1/1

- ☐ __variable_name
- ☒ _variable_name
- ☐ variable_name
- ☐ protected_variable_name



✓ How to make getters and setters method in Python? * 1/1

- ☐ with the words get and set in front of the name of the method
- ☐ with underscores
- ☒ with decorators
- ☐ None of the above



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