

Which of the following is not a requirement to create an abstract method in Python?

1 / 1 point

- ☐ A module called abc
- ☐ Use of a decorator called abstractmethod
- ☒ Function called abstract
- ☐ A function called ABC

✓ Correct

Correct! The name of the function required inside the abc module is abstract method.

2. There is a direct implementation of Abstraction in Python.

1 / 1 point

- ☐ True
- ☒ False

✓ Correct

Correct! Python makes use of the abc class to implement abstraction.

3. Which OOP principle is majorly used by Python to perform Abstraction?

1 / 1 point

- ☐ Polymorphism
- ☒ Inheritance
- ☐ Encapsulation
- ☐ Method Overloading

✓ Correct

Correct! Python makes use of class abc as a superclass to implement Abstraction.

4. Which of the following statements about abstract classes is true?

1 / 1 point

- ☐ Abstract classes are used to instantiate abstract objects.
- ☐ Abstract classes help redefine the objects derived from them in a derived class.
- ☒ Abstract classes act only as a base class for other classes to derive from.
- ☐ Abstract classes inherit from other base classes.

✓ Correct

Correct! Abstract class acts only as a base class for other classes to derive from it.

5. True or False: Abstract classes cannot exist without Abstract methods present inside them.

- ☐ True
- ☒ False

✓ Correct

Correct! Abstract classes may or may not contain abstract method definitions.