***Q1. What is the purpose of Python's OOP?***

***OOP provides a means of structuring programs so that properties and behaviors are bundled into individual objects.***

***Q2. Where does an inheritance search look for an attribute?***

***Inheritance search is simply a search of the tree from bottom to top looking for the lowest occurrence of an attribute name.***

***Q3. How do you distinguish between a class object and an instance object?***

***Class***

***A class is a blueprint from which you can create the instance, i.e., objects.***

***A class is used to bind data as well as methods together as a single unit.***

***Classes have logical existence.***

***A class doesn't take any memory spaces when a programmer creates one.***

***The class has to be declared only once.***

***instance***

***An object is the instance of the class, which helps programmers to use variables and methods from inside the class.***

***Object acts like a variable of the class.***

***Objects have a physical existence.***

***An object takes memory when a programmer creates one.***

***Objects can be declared several times depending on the requirement.***

***Q4. What makes the first argument in a class’s method function special?***

***Q5. What is the purpose of the \_\_init\_\_ method?***

***It is called a constructor in object oriented terminology. This method is called when an object is created from a class and it allows the class to initialize the attributes of the class.***

***Q6. What is the process for creating a class instance?***

***To create instances of a class, call the class using class name and pass in whatever arguments its \_\_init\_\_ method accepts.***

***Q7. What is the process for creating a class?***

***Declare the class with the class keyword.***

***Write the name of the class and capitalize the first letter.***

***If the class name contains more than one word, we capitalize each word.***

***We circle the class body within curly braces. Inside the curly braces, we put our code.***

***Q8. How would you define the superclasses of a class?***

***A superclass is the class from which many subclasses can be created. The subclasses inherit the characteristics of a superclass. The superclass is also known as the parent class or base class.***