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

Ans:- Procedural programming is about writing procedures or functions that perform operations on the data, while object-oriented programming is about creating objects that contain both data and functions.

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

Ans:- if a requested attribute is not found in the class, the search proceeds to look in the base class. This rule is applied recursively if the base class itself is derived from some other class.

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

Ans:- The Object is an actual thing that is built based on the 'blue print' (like the house). An instance is a virtual copy (but not a real copy) of the object

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

Ans:- According to my understanding, the first argument passed in a class method is the class itself where that class method is defined

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

Ans:- It is called as 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?

Ans:-create a variable and initialize it with the class name

Q7. What is the process for creating a class?

Ans:- class can be create by using class and then class name

e.g. class student:

here student class is created

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

Ans:- The class from which a class inherits is called the parent or superclass.