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

**To implement real-world entities like inheritance, polymorphisms, encapsulation, etc. in the programming.**

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

**The tree from bottom to top**

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

**A class as a way to generate new instances of that class. Both the instances and the classes are themselves objects. The structure of an instance starts out the same, as dictated by the class. The instances respond to the messages defined as part of the class.**

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

**A method which is bound to the class and not the object of the class.This method takes in cls as its first argument while the static method does no**

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

**Method used to initialize an object.**

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

**\_\_init\_\_  (initiate)**

Q7. What is the process for creating a class?

**Create a Class. To create a class, use the keyword class : ...**

**Create Object. Now we can use the class named MyClass to create objects: ...**

**The self Parameter. ...**

**Modify Object Properties. ...**

**Delete Object Properties. ...**

**Delete Objects.**

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

**The class from which a class inherits is known as superclass.**