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

→ OOP uses objects and classes in programming it aims to implement real world entities

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

→ when object is qualified and involves searching an attribute

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

→ **class** is a collection of data member and member function

→ **object** is instance of a class

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

→ the always a reference to the current instance of the class.

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

→ lets the class initialize the objects attributes and serves no other purpose.

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

→ the new operator requires a single postfix argument a call to a constructor

Q7. What is the process for creating a class?

→ reduce complexity

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

→ the class from which many subclasses can be created