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

**Ans:** The purpose of Python’OOP is to reduce complexity of the code and make it usable and scalable.

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

**Ans:** If an attribute is not found in the class itself, the search continues to the base class and so on.

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

**Ans.** Class object is instance of the class and instance object is the reference to the class object.

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

**Ans:** No value is given for the first argument in the class’s method function. It by default takes the reference to the corresponding object.

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

**Ans:** the purpose of \_\_init\_\_ method also known as constructor is used to initialise the data members when an object is created for the class.

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

**Ans:** Process of creating a class instance.

Step1: Create a class.

Step2: Call the class by its name and pass the arguments based on the parameters in the constructor of the class.

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

**Ans: Process of creating a class.**

Step1: Using class keyword followed by a classname and :

Step2: Within this attributes, methods, and init function is defined as per requirement.

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

**Ans:** Superclass of a class is a parent to that class who inherits certain methods and attributes from it.