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

Ans:- OOP’s allows us to develop applications using an Object-Oriented approach. we can easily create and use classes and objects.

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

Ans:-to the existing class

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

Ans:- Instance refers to the copy of the object at a particular time whereas object refers to the memory address of the class.

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

Ans:- The first parameter in the class method is the class on which you are calling the method, not necessarily the class that defines the method.

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

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

Q7. What is the process for creating a class?

Ans:- The *class* statement creates a new class definition. The name of the class immediately follows the keyword *class* followed by a colon

Q8. How would you define the super classes of a class?

Ans:- The class from which the subclass is derived is called a superclass