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

Python’s OOP is to incorporate real world solutions. It enables for us to use classes and methods, And different aspects of OOP such as abstraction, polymorphism, encapsulation and inheritance.

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

In the parent class

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

Instance object could be used during the initial one time call of the class , which will be used for initialization of variables or a instance method.

Class object will hold the memory address of the class. .

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

Self is the first argument, it represents the instance of the class, with the use of self can access the methods of the class.

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

\_\_init\_\_ also called as constructor of the class. When a class is called using an object, this method will be called first and it is used to initialize variables.

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

class abc:

\_\_init\_\_(self): -🡪 instance of the class abc is created

pass

a=abc()

Q7. What is the process for creating a class?

Using the class keyword

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

by mentioning parent class inside the child class eg

subclass(superclass):

pass