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

OOP helps us to use classes, objects, methods etc. we can put together a functionality in a single unit which will be easier for debugging.

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

It will look for in all the classes from bottom to top

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

Instance refers to the copy of the object. Object is the object that we create for a class and access the class variables and methods

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

Usually ‘self’ is used and we can use any variable as first argument. Using self we can refer to class attributes and methods

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

It helps to do the initialization of the attributes of the class

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

When creating a new object for a class, an instance of class is created

Q7. What is the process for creating a class?

Class class\_name:

Method1

Method 2 etc…

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

By using Super() function

Class person:

def \_\_init\_\_(self,………):

def another\_method(self,……):

class student(person):

super().\_\_init\_\_\_(self,……)

Super class refer to the parent class of my student class which is ‘person’ class