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

**Ans:** OOP is basically object oriented programming, where multiple objects shares common characteristics/attributes. It basically encapsulate code and hide the internal details from external environment.

OOP provides facility for method overloading, overriding and with the help of inheritance concept one object/class can share features of multiple classes.

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

**Ans:** In parent class, which are inherited.

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

**Ans:** Class object belongs to a specific class, while instance object represents a class.

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

**Ans:**  self keyword

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

**Ans:** initialize the class variables with incoming variables.

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

**Ans:** to access class attributes and methods.

Q7. What is the process for creating a class?

**Ans:** just use class key word and class name, create an \_\_init\_\_ method and other attributes/methods for class.

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

**Ans:** using paranthesis. Class A(B), here B is superclass of A.