**Assignment\_1**

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

**Ans: Because it makes the code more reuseable with larger programs. Ex- Class is defined once and reused many times in the program.**

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

**Ans: namespace tree**

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

**Ans: Class: A class is a template for creating objects in program.**

**Object: The object is an instance of class.**

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

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

**Ans: Its an constructor and allows the class to initialize the attributes of the class.**

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

**Ans: Call the class using class name and pass in argumens its \_\_init\_\_ method accepts.**

Q7. What is the process for creating a class?

**Ans: It allows you to create an abstraction.**

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

**Ans: It returns an object that represents the parent class.**