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

**OOPs in Python** is a programming approach that focuses on using objects and classes as same as other general programming languages. The objects can be any real-world entities. Python allows developers to develop applications using the OOPs approach with the major focus on code reusability. It is very easy to create classes and objects in Python.

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

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

* Class : A class is a blue print.
* Object : It is the copy of the class.
* Instance : Its a variable which is used to hold memory address of the object.

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

reference to the current instance of the class

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

The **init method** is used to **initialize** a class

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

An individual object of a certain class. An object obj that belongs to a class Circle, for example, is an instance of the class Circle.

**Q7. What is the process for creating a class?**

* Classes provide a means of bundling data and functionality together.
* Creating a new class creates a new type of object, allowing new instances of that type to be made.
* Each class instance can have attributes attached to it for maintaining its state.

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

class DerivedClassName(BaseClassName):

pass