Interview Questions

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1. **Does Python create a default constructor when we write our own?**

   Python by default creates a default constructor for every class. But, if we define our own constructor, python doesn't create the default constructor.

2. **Explain constructor in Python**

   A constructor is a special member function automatically called when an object is created. A constructor initializes the class data members with garbage value if we don't put any value to it explicitly.

3. **Explain Destructor in Python**

   A destructor is a special member function that works just opposite to a constructor; unlike constructors that are used for initializing an object, destructors destroy (or delete) the object. The purpose of the destructor is to free the resources that the object may have acquired during its lifetime.

4. **When should the destructor use delete to free the memory?**

   If the object is created by using new or the constructor uses new to allocate memory that resides in the heap memory or the free store, the destructor should use delete to free the memory.

5. **What is the return type of constructor and destructor?**

   They have no return type.