***Q1. What is the difference between \_\_getattr\_\_ and \_\_getattribute\_\_?***

***Ans.***\_\_getattribute\_\_ has a default implementation, but \_\_getattr\_\_ does not.

***Q2. What is the difference between properties and descriptors?***

***Ans.D***escriptors are a low-level mechanism that lets you hook into an object's attributes being accessed. Properties are a high-level application of this; that is, properties are implemented using descriptors.

***Q3. What are the key differences in functionality between \_\_getattr\_\_ and \_\_getattribute\_\_, as well as properties and descriptors?***

***Ans.***A key difference between \_\_getattr\_\_ and \_\_getattribute\_\_ is that \_\_getattr\_\_ is only invoked if the attribute wasn't found the usual ways. \_\_getattribute\_\_ is invoked before looking at the actual attributes on the object, and so can be tricky to implement correctly.