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

The \_getattr\_ it is called at all times; it has low priority

The \_getattribute\_ gets called to check whether there is attribute or not; it has high priority

Q2. What is the difference between properties and descriptors?

Descriptors 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?

The \_\_getattr\_\_ is only invoked if the attribute wasn't found the usual ways.

The \_\_getattribute\_\_ is invoked before looking at the actual attributes on the object and so can be tricky to implement correctly.