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

Answer: \_\_getattr\_\_ is invoked only if the attribute wasn’t found the usual ways and \_\_getattribute\_\_ is only invoked before looking at the actual attributes on the object and can lead to infinite recursions if not implemented correctly.

Q2. What is the difference between properties and descriptors?

Answer: Descriptors are low level mechanism that lets us look into object attributes being accessed. Properties are a high level implementation of descriptors .

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

Answer: \_\_getattr\_\_ is invoked only if the attribute wasn’t found the usual ways and \_\_getattribute\_\_ is only invoked before looking at the actual attributes on the object and can lead to infinite recursions if not implemented correctly. Descriptors are low level mechanism that lets us look into object attributes being accessed. Properties are a high level implementation of descriptors .