**Assignment\_10**

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

**Ans: The biggest difference is that \_\_getattr\_\_ is called for attributes that don’t actually exist on a class. getattribute : is used to retrieve an attribute from an instance. getattr : is executed as the last resource when attribute is not found in an object.**

Q2. What is the difference between properties and descriptors?

**Ans: Properties provide an interface attributes. Descriptors are python objects that implement a method of the descriptor protocol, which givesyou the ability to create objects that have special behavior when they’re accessed as sttributes of other objects.**

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

**Ans: The biggest difference is that \_\_getattr\_\_ is called for attributes that don’t actually exist on a class. getattribute : is used to retrieve an attribute from an instance. getattr : is executed as the last resource when attribute is not found in an object.**

**Properties provide an interface attributes. Descriptors are python objects that implement a method of the descriptor protocol, which givesyou the ability to create objects that have special behavior when they’re accessed as sttributes of other objects.**