**FSDS MAY BATCH 2022(Python Assignment -10)**

**Submitted by: Shubham Tiwari**

Q1: What is the difference between \_\_ getattr \_\_ and \_\_getattribute\_\_?

Ans: **\_\_getattribute\_\_**: Is used to retrieve an attribute from an instance. It captures every attempt to access an instance attribute by using dot notation or getattr() built-in function.

**\_\_getattr\_\_**: is executed as the last resource when attribute is not found in an object. You can choose to return a default value or to raise AttributeError.

Q2: What is the difference between properties and descriptors?

Ans: **Python descriptors** are created to manage the attributes of different classes which use the object as reference. In descriptors we used three different methods that are \_\_getters\_\_(), \_\_setters\_\_(), and \_\_delete\_\_(). If any of those methods are defined for an object, it can be termed as a descriptor.

**Properties** are special kind of attributes which have getter, setter and delete methods like \_\_get\_\_, \_\_set\_\_ and \_\_delete\_\_ methods.