Q1. What is the difference between getattr and getattribute?

In [ ]:

```
Ans:__getattribute__is used to find an attribute of a class.It raises an Attribute Err
class.__getattr__is implemented latter if Attribute Error is generated__by getattribut
__getattr__both has to be defined in same class.If no attribute is found,__getattr__re
that__getattr__is called for attributes that don't actually exist on a class.
```

Q2. What is the difference between properties and descriptors?

In [ ]:

```
Ans:The differences between Properties and Descriptors is:
 Properties:With Properties we can bind getter,setter and delete functions together wi
property function or @ property decorator.When we do this,each reference to an attribu
involes the appropriate function of the object.
Descriptor:With Descriptor we can bind getter,setter and delete functions into a seper
class to the attribute name in our main class.When we do this,each reference to an att
invokes an appropriate function of descriptor object.
```

Q3. What are the key differences in functionality between getattr and getattribute, as well as properties anddescriptors?

In [ ]:

```
Ans:The Key Differences between__getattr__,__getattribute__,Properties and Descriptors
__getattr__Python will call this method whenever you request an attribute that hasn't
__getattribute__:This method will invoked before looking at the actual attributes on t
    Means,if we have__getattribute__method in our class,python invokes this method for
exists or not.
Properties:With Properties we can bind getter,setter and delete functions together wit
property function or @ property decorator.When we do this,each reference to an attribu
invokes the appropriate function of the object.
Descriptor:With Descriptor we can bind getter,setter and delete functions into a seper
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