Python advance assignment 19:

Q1) one-to-many, since a class can have multiple instances.

Q2) object data, functionality

Q3) knowledge of namespace, object etc.

Q4) a function that belongs to an object is method. Method is associated with an object which is its difference from regular function.

Q5) inheritance is supported by python.

class child\_class(parent\_class):

def….

Q6) an underscore can be used before class variable to prevent its direct access.

Q7) class variables are assigned while defining a class. Instance variables can be assigned and changed later at any time.

Q8) self is used in variable initialisation and method definitions.

Q9) \_\_radd\_\_ method is only called if the left object does not support \_\_add\_\_ method. \_\_radd\_\_ is rarely called.

Q10) reflection is used to examine attributes of object which might be passed as parameters to a function. Reflection is not needed when slicing and concatenation are not supported or when other functions are available.

Q11) the function assigns as well as adds current value.

Q12) yes, \_\_init\_\_ method is inherited by subclasses. By using \_\_init\_\_ method in subclass, superclass \_\_init\_\_ method can be overridden.