Python advance assignment 2:

Q1) modules cannot generate instances while classes can generate instances (objects). Modules provide namespace.

Q2) creating instances:

instance\_object = class(class\_arguments)

creating classes:

class classname:

classsuite (methods and functions that create a class and belong to class like \_\_init\_\_ class initiator)

Q3) class attribute is created while creation of class and is included in class creation process.

Q4) instance attribute is created during object creation. The vars() and dir() function show instance attributes.

Q5) self shows class instance. Self matches attributes and arguments. Class methods and attributes can be accessed through self. Self is used because ‘@‘ syntax is not used in python to refer to instance attributes.

Q6) class handles operator overloading by using methods like \_\_add\_\_, \_\_gt\_\_, \_\_eq\_\_ etc for adding overloading, greater than overloading, equality checking overloading etc.

Q7) to give new meaning to an operator beyond its predefined definition, we use operator overloading.

Q8) addition operator (+)

Q9) class and object.