Python Advance Assignment-3

1. What is the concept of an abstract superclass?
Ans- A common superclass for several subclasses. Factor up common behavior. Define the methods they all respond to. Methods that subclasses should implement are declared abstract.

2. What happens when a class statement's top level contains a basic assignment statement?

Ans- An assignment statement evaluates the expression list (remember that this can be a single expression or a comma-separated list, the latter yielding a tuple) and assigns the single resulting object to each of the target lists, from left to right.

3. Why does a class need to manually call a superclass's __init__ method?
Ans- It's because one needs to define something that is NOT done in the base-class' __init__ , and the only possibility to obtain that is to put its execution in a derived-class' __init__ function.

4. How can you augment, instead of completely replacing, an inherited method?
Ans:- We can do it by writing

instance.method(args...) which is automatically translated by Python into this equivalent form:

class.method(instance, args...)

5. How is the local scope of a class different from that of a function?
Ans:- In class, when we are calling local variables, we are using