**Assignment\_3**

1. What is the concept of an abstract superclass?

**Ans: An abstract superclass is a common superclass for several subclasses.**

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

3. Why does a class need to manually call a superclass's \_\_init\_\_ method?

**Ans: The main reason for always calling base class\_init\_ is that base class may typically create member variable and initialize them to defaults.**

4. How can you augment, instead of completely replacing, an inherited method?

**Ans: An inherited method is augmented simply by creating a new definition for the method in your class definition.**

5. How is the local scope of a class different from that of a function?

**Ans: Local variables have fuction scope. They can only be accessed from within the function. Since local variables are only recognized inside their function, variables with the same name can be used in different functions.**