1. What is the concept of an abstract superclass?

**Ans. A common superclass for several subclasses which adds all behavior of classes and common** **methods. Methods that subclasses should implement are declared abstract.**

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

**Ans. It declare and define the class attribute.**

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

**Ans. To ensure that we call the proper next method in the Method Resolution Order.**

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

**Ans. The good way to do that by calling to the original version directly, with augmented arguments.**

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

**Ans. Declaring a variable in a class (outside of a function): all class functions can access it (basically a public variable).Declaring a variable inside a function inside a class: only that function can access it (it's in that function's scope).**