



1. who has to invoke destroy-method on the bean definition objects?
ioc container is responsible for invoking the destroy-method on each bean definition for letting the bean perform clean-up activities

2. when does the ioc container will have to call the destroy-method?
when the bean definition object is being removed from the ioc container, then ioc container has to invoke the destroy method

3. what is the default scope of a bean definition?
singleton: only one object for that bean definition will be created by the ioc container within the application
since the bean definition object is singleton, its lifetime is equal to ioc container. until the ioc container dies/destroys the bean definition object should not be destroyed by the ioc container.

4. when does the destroy-method on the bean definition object should be called by the ioc container from the above statement?
before the ioc container dies, because at that time only singleton bean definition objects should be destroyed

since ioc container is an another object that is running ontop of jvm, the ioc container dont know when it is going to die, because finalize() method on the ioc container is not guarateed to be called by the gc of the jvm

since ioc container dont know when it is going to die, it cannot call destroy-method on the bean definitions.