1. If method in base class is private and if method in derived class is public, can we override?

Ans. No, You cannot override a method from base class which is private because it will not be visible in the derived class. A private method cannot be overridden.

1. Can we make constructor as private?

Ans. The use of private constructor is to serve singleton classes. A singleton class is one which limits the number of objects creation to one. Using private constructor we can ensure that no more than one object can be created at a time.

1. Can we make constructor as final?

Ans. No, there is no need to make a constructor final because constructors aren’t inherited so can’t be overridden.

1. Purpose of overriding equals method?

Ans. If you want a class that you write to be able to perform logical equality you must override the equal method. The equal method of object class check the reference hence to make that method to check logical equality you must override it.