1-

No, it does not lead to the creation of a second distinct Singleton object. The java.lang.Cloneable interface must be implemented by the class whose object we want to create.If we don't implement Cloneable interface, clone() method can not create an instance.

2-

If we don't implement Cloneable interface i we prevent the cloning of a Singleton object.

3-

If we extend our singleton class from Cloneable parent class, we nedd to override clone method in our singleton class and we should throw CloneNotSupportedException.Otherwise our singleton class can be cloneable.