Singelton Design Pattern

**Custom Singleton Class:-**

**Step 1:-**

* Declare a Construtcor inside a class
* Make that constructor as private scope so,that means none can create the object of your class from outside the class.

**Step 2:-**

* Declare only one private static final reference variable of same class to create the single objet within the class definition.

**Step 3:-**

* Declare one public static method whose return type is same as class type and inside this method return the object which is created within the class but must and should return reference variable only.

**Step 4:-**

* Within the custom singleton class to perform the cloning outside the class we need to override the **clone ()** method so while overriding don return the **super.clone()** and we should return **this keyword** which contains the current object reference. Or else don’t override clone method in custom singleton class.
* So,that outside class that objet can’t be cloned.

**N-ton Design Pattern:-**

* This is restricting N numbers of Objects for any class description.

**Process:-**

Same as singleton class except **Step-2.**

in step-2 we need to declare N-Number of private static final reference variable of the

same class.