<https://java2blog.com/java-interview-questions-for-5-years-experience/>

1.

Double Check Lock in Singleton

**package** org.arpit.java2blog;

**public** **static** Singleton getInstance()

{

**if** (\_instance == **null**) { // Single Checked

**synchronized** (Singleton.**class**)

{

**if** (\_instance == **null**)// Double checked

{

\_instance = **new** Singleton();

}

}

} **return** \_instance;

}

Let’s say two threads(T1 and T2) checked for null and both reached at synchronized (Singleton.class). T1 gets the lock and create instance of Singleton and return. Now T2 enters in a synchronized block, as we have checked for null again, it will not create object again.