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TUTORIAL9: SAFELOCK & REENTRANTLOCK THE CODE:

SafeLock.java

```
import java.util.concurrent.locks.Lock;
import java.util.concurrent.locks.ReentrantLock;
import java.util.Random;
public class SafeLock { new*
       private final String name; 6 usages
       public Friend(String name) { 2 usages new*
       public String getName() { 3 usages new*
           boolean myLock = false;
           boolean yourLock = false;
               myLock = lock.tryLock();
               yourLock = bower.lock.tryLock();
               if (!(myLock && yourLock)) {
            return myLock && yourLock;
           if (impendingBow(bower)) {
                           this.name, bower.getName());
            } else {
                System.out.format("%s: %s started to bow to me, but saw that I was already bowing to %s.%n",
                       this.name, bower.getName(), this.name);
```

THE OUTPUT:

```
Alphonse: Gaston has bowed to me!
Gaston: Alphonse has bowed back to me!
Gaston: Alphonse has bowed to me!
Alphonse: Gaston has bowed back to me!
Gaston: Alphonse has bowed to me!
Alphonse: Gaston has bowed back to me!
Alphonse: Gaston has bowed to me!
Gaston: Alphonse has bowed back to me!
Alphonse: Gaston has bowed to me!
Gaston: Alphonse has bowed back to me!
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Alphonse: Gaston has bowed to me!
Gaston: Alphonse has bowed back to me!
Gaston: Alphonse has bowed to me!
```