

ReentrantLock in Java

1st Synchronized methods (blocks);

when enter synchronized block - a lock is acquired
on the object named

Synchronized (this) {

- inside you can wait()

}

Other thread wake you up from

waiting w/ notify or notifyAll

Reentrant Lock is a class and you create objects of that class in the usual way

```
L = new ReentrantLock()
```

```
L.lock()
```

```
{
```

```
L.unlock()
```

```
C = L.newCondition()
```

C is an object that represents threads in wait state.

Refer to online docs for details;
for the project you will need to create reentrant lock objects

- create associated condition objects -

new Condition method of lock objects

- lock and unlock methods of locks.
- Await. and signal methods of Conditions.