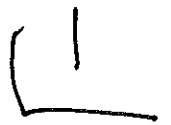


CNPS 109 3-9-11



o asg 5 posted

o extra office hours:

Friday 3-11-11, 11:30 am - 2:30 pm

Ex. in a shared object ↙ defn

synchronized... method() { ... }

Ex^{or} within a Runnable object

```
synchronized(objectname) {  
    object.method(). ← call  
}
```

Signal-wait synchronization

• wait():

• notify():

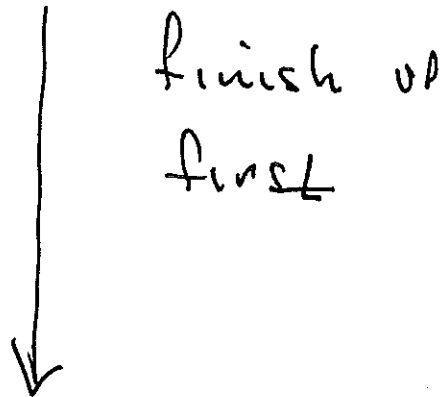
in class blah:

synchronized someMethod(--)

```

    notify();
    return --
  }

```



finish up first

then lock on this object is released

output of ProducerConsumer.java 3

Producer started

Producer produced 0

P produced 1

Consumer started

Consumer consumed 0

P produced 2

Consumer consumed 1

⋮

Semaphore Synchronization

4

Shared object contain (as fields)

Semaphore Objects



found in: `java.util.concurrent`

- `acquire()`
- `release()`