







































































```
Producer and Consumer Example (1)

class Q { //queue of size 1
    int n;
    synchronized int get() {
        System.out.println("Got: " + n);
        return n;
    }
    synchronized void put(int n) {
        this.n = n;
        System.out.println("Put: " + n);
    }
}
> 39
```









































- woken up on notifyAll()
- Think of each thread in either of 3 states
 - Scheduled and Executing
 - Schedulable, but blocked
 - Not schedulable and sleeping
- notifyAll simply moves all waiting threads from nonschedulable state to schedulable state.

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