```
// concurrent read or exclusive write
class ReadersWriters extends RWbasic {
  private int nr = 0;
  private synchronized void startRead() {
    nr++;
  }
  private synchronized void endRead() {
    nr--;
    if (nr == 0) notify(); // awaken waiting Writers
  }
  public void read() {
    startRead();
    System.out.println("read:  " + data);
    endRead();
  }
  public synchronized void write() {
    while (nr > 0)   // delay if any active Readers
      try { wait(); }
        catch (InterruptedException ex) {return;}
    data++;
    System.out.println("wrote:  " + data);
    notify();    // awaken another waiting Writer
  }
}
```

True readers/writers using Java.