public class Main {

 public static void main (String[] args) {

 Counter c = new Counter ();

 IncThread ithread = new IncThread (c);

 DecThread dthread = new DecThread (c);

 ithread.start ();

 dthread.start ();

 }

}

class Counter {

 private int count;

 public Counter () { count = 0; }

 public void increment () { count++; }

 public void decrement () { count--; }

 public int getValue () { return count; }

}

class IncThread extends Thread {

 private Counter c;

 public IncThread (Counter p\_c) { c = p\_c; }

 public void run () {

 int i = 0;

 while (i++ < 100) {

 c.increment ();

 System.err.println ("Running inc thread: " + currentThread () + " / Value: " + c.getValue ());

 try {

 Thread.sleep(1000);

 } catch (InterruptedException ie) { ; }

 }

 }

}

class DecThread extends Thread {

 private Counter c;

 public DecThread (Counter p\_c) { c = p\_c; }

 public void run () {

 int j = 0;

 while (j++ < 100) {

 c.decrement ();

 System.err.println ("Running dec thread: " + currentThread () + " / Value: " + c.getValue ());

 try {

 Thread.sleep(1000);

 } catch (InterruptedException ie) { ; }

 }

 }

}