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) { ; }

}

}

}