public class counter {

private int count = 0;

public synchronized void increment() {

count++;

}

public int getCount() {

return count;

}

}

class SynchronizedExample extends Thread {

private counter counter;

public SynchronizedExample(counter counter) {

this.counter = counter;

}

@Override

public void run() {

for (int i = 0; i < 1000; i++) {

counter.increment();

}

}

public static void main(String[] args) throws InterruptedException {

counter counter = new counter();

Thread thread1 = new SynchronizedExample(counter);

Thread thread2 = new SynchronizedExample(counter);

thread1.start();

thread2.start();

thread1.join();

thread2.join();

System.out.println("Final Counter value: " + counter.getCount());

}

}



