Task 03

public class Counter {

private int count = 0;

public synchronized void increment()

{

count++;

}

public int getCount()

{

return count;

}

}

public 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 t1 = new SynchronizedExample(counter);

Thread t2 = new SynchronizedExample(counter);

t1.start();

t2.start();

t1.join();

t2.join();

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

}

}

Output

