**[java 同步锁（synchronized）](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html)**

java中cpu分给每个线程的时间片是随机的并且在java中好多都是多个线程共用一个资源，比如火车卖票，火车票是一定的，但卖火车票的窗口到处都有，每个窗口就相当于一个线程，这么多的线程共用所有的火车票这个资源。如果在一个时间点上，两个线程同时使用这个资源，那他们取出的火车票是一样的（座位号一样），这样就会给乘客造成麻烦。比如下面程序：

http://www.blogjava.net/Images/OutliningIndicators/None.gifpackage com.dr.runnable2;  
http://www.blogjava.net/Images/OutliningIndicators/None.gifclass TicketSouce implements Runnable  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gif{  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    //票的总数  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    private int ticket=10;  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public void run()  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        for(int i=1;i<50;i++)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif        {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif            if(ticket>0)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                //休眠1s秒中，为了使效果更明显，否则可能出不了效果  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                try {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    Thread.sleep(1000);  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                } catch (InterruptedException e) {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    e.printStackTrace();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                }  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                System.out.println(Thread.currentThread().getName()+"号窗口卖出"+this.ticket--+"号票");  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif            }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif        }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gifpublic class Test {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public static void main(String args[])  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        TicketSouce mt=new TicketSouce();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        //基于火车票创建三个窗口  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"a").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"b").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"c").start();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }   
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}   
http://www.blogjava.net/Images/OutliningIndicators/None.gif

程序的运行结果是：

[](http://www.blogjava.net/images/blogjava_net/tscfengkui/WindowsLiveWriter/javasynchronized_9F84/ticket_1.jpg)

我们可以看到a号窗口和和c号窗口都卖出了7号票，并且a号和c号窗口分别卖出了0号和-1号票。造成这种情况的原因是1、a线程和b线程在ticket=7的时候，a线程取出7号票以后，ticket还没来的及减1b线程就取出了ticket此时ticket还等于7；2、在ticket=1时，b线程取出了1号票，ticket还没来的及减1，a、c线程就先后进入了if判断语句，这时ticket减1了，那么当a、c线程取票的时候就取到了0号和-1号票。

出现了上述情况怎样改变呢，我们可以这样做：当一个线程要使用火车票这个资源时，我们就交给它一把锁，等它把事情做完后在把锁给另一个要用这个资源的线程。这样就不会出现上述情况。 实现这个锁的功能就需要用到**synchronized**这个关键字。

synchronized这个关键字有两种用法1、放方法名前形成同步方法；2、放在块前构成同步块。

1、使用同步方法将上面的例子该为：

http://www.blogjava.net/Images/OutliningIndicators/None.gifpackage com.dr.runnable2;  
http://www.blogjava.net/Images/OutliningIndicators/None.gifclass TicketSouce implements Runnable  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gif{  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    //票的总数  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    private int ticket=10;  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public void run()  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        for(int i=1;i<50;i++)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif        {  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            try {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                //休眠1s秒中，为了使效果更明显，否则可能出不了效果  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                Thread.sleep(1000);  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            } catch (InterruptedException e) {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                e.printStackTrace();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif            }  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif            this.sale();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif        }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public synchronized void sale()  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif            if(ticket>0)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                System.out.println(Thread.currentThread().getName()+"号窗口卖出"+this.ticket--+"号票");  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif            }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gifpublic class Test {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public static void main(String args[])  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        TicketSouce mt=new TicketSouce();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        //基于火车票创建三个窗口  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"a").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"b").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"c").start();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }   
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}   
http://www.blogjava.net/Images/OutliningIndicators/None.gif  
http://www.blogjava.net/Images/OutliningIndicators/None.gif

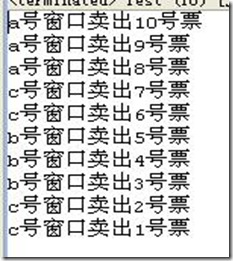
程序的输出结果为：

[](http://www.blogjava.net/images/blogjava_net/tscfengkui/WindowsLiveWriter/javasynchronized_9F84/ticket1.jpg)

2、使用同步块修改上面的例子：

http://www.blogjava.net/Images/OutliningIndicators/None.gifpackage com.dr.runnable2;  
http://www.blogjava.net/Images/OutliningIndicators/None.gifclass TicketSouce implements Runnable  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gif{  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    //票的总数  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    private int ticket=10;  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public void run()  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        for(int i=1;i<50;i++)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif        {  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            synchronized(this){  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                if(ticket>0)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    //休眠1s秒中，为了使效果更明显，否则可能出不了效果  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                    try {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                        Thread.sleep(1000);  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                    } catch (InterruptedException e) {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                        e.printStackTrace();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                    }  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    System.out.println(Thread.currentThread().getName()+"号窗口卖出"+this.ticket--+"号票");  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                              }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif        }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gifpublic class Test {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public static void main(String args[])  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        TicketSouce mt=new TicketSouce();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        //基于火车票创建三个窗口  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"a").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"b").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"c").start();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }   
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}   
http://www.blogjava.net/Images/OutliningIndicators/None.gif  
http://www.blogjava.net/Images/OutliningIndicators/None.gif

程序的输出结果：

[](http://www.blogjava.net/images/blogjava_net/tscfengkui/WindowsLiveWriter/javasynchronized_9F84/ticket2.jpg)

上面的情况是正确的，我在调试程序的时候把**synchronized**放错了位置导致了错误的结果，我们来看一下错误的原因：

程序1：

http://www.blogjava.net/Images/OutliningIndicators/None.gifpackage com.dr.runnable2;  
http://www.blogjava.net/Images/OutliningIndicators/None.gifclass TicketSouce implements Runnable  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gif{  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    //票的总数  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    private int ticket=10;  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public void run()  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        for(int i=1;i<50;i++)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif        {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif            if(ticket>0)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            synchronized(this){  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                //休眠1s秒中，为了使效果更明显，否则可能出不了效果  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                try {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    Thread.sleep(1000);  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                } catch (InterruptedException e) {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    e.printStackTrace();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                }  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                System.out.println(Thread.currentThread().getName()+"号窗口卖出"+this.ticket--+"号票");  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                               }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif        }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gifpublic class Test {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public static void main(String args[])  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        TicketSouce mt=new TicketSouce();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        //基于火车票创建三个窗口  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"a").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"b").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"c").start();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }   
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}   
http://www.blogjava.net/Images/OutliningIndicators/None.gif  
http://www.blogjava.net/Images/OutliningIndicators/None.gif

程序1的运行结果：

[](http://www.blogjava.net/images/blogjava_net/tscfengkui/WindowsLiveWriter/javasynchronized_9F84/ticket3.jpg)

程序1的输出结果竟然出了0号和-1号票，原因就是**synchronized**放错了位置，程序1将**synchronized**放在了if语句的后面，当b线程取出2好票以后，此时ticket=1，等下一次a、b、c线程来的时候，ticket=1>0就进入if语句体，这时cpu分给线程的时间片是先b在c后a这样就导致了上面的结果。

程序2：

http://www.blogjava.net/Images/OutliningIndicators/None.gifpackage com.dr.runnable2;  
http://www.blogjava.net/Images/OutliningIndicators/None.gifclass TicketSouce implements Runnable  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gif{  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    //票的总数  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    private int ticket=10;  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public void run()  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif        synchronized(this){  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif            for(int i=1;i<50;i++)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif            {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                if(ticket>0)  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    //休眠1s秒中，为了使效果更明显，否则可能出不了效果  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                    try {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                        Thread.sleep(1000);  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif                    } catch (InterruptedException e) {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                        e.printStackTrace();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                    }  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif                    System.out.println(Thread.currentThread().getName()+"号窗口卖出"+this.ticket--+"号票");  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                 }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif            }   
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif                           }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif            }  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockStart.gifpublic class Test {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif    public static void main(String args[])  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockStart.gif    {  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        TicketSouce mt=new TicketSouce();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        //基于火车票创建三个窗口  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"a").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"b").start();  
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif        new Thread(mt,"c").start();  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedSubBlockEnd.gif    }   
http://www.blogjava.net/Images/OutliningIndicators/InBlock.gif  
http://www.blogjava.net/Images/OutliningIndicators/ExpandedBlockEnd.gif}   
http://www.blogjava.net/Images/OutliningIndicators/None.gif  
http://www.blogjava.net/Images/OutliningIndicators/None.gif

程序2的输出结果：

[](http://www.blogjava.net/images/blogjava_net/tscfengkui/WindowsLiveWriter/javasynchronized_9F84/ticket4.jpg)

程序2的输出结果看起来并没有什么错误，它没有输出0和-1号票，但是它没有实现多个窗口售票的功能，它只有一个窗口在售票，原因是我们把锁放错了位置。一旦cpu将时间片分给一个线程，那么这个窗口就必须把所有的票卖完。

鉴于以上两种错误程序导致的结果，笔者建议大家使用同步方法这种方法比较方便。  
关于生产者和消费者的问题，请参看“模拟生产零件系统程序”。

posted on 2010-11-10 13:48 [冯魁](http://www.blogjava.net/tscfengkui/) 阅读(19496) [评论(4)](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#Post)  [编辑](http://www.blogjava.net/tscfengkui/admin/EditPosts.aspx?postid=337709)  [收藏](http://www.blogjava.net/tscfengkui/AddToFavorite.aspx?id=337709)

http://www.blogjava.net/tscfengkui/aggbug/337709.html?webview=1

**评论**

**[#](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin" \l "390403" \o "permalink: re: java 同步锁（synchronized）)****re: java 同步锁（synchronized） 2012-10-29 15:46**[**eagledame**](http://eagledame/)

兄弟 是不是搞错了啊   
a号窗口 ，售出20号车票   
a号窗口 ，售出19号车票   
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a号窗口 ，售出11号车票   
d号窗口 ，售出10号车票   
d号窗口 ，售出9号车票   
d号窗口 ，售出8号车票   
d号窗口 ，售出7号车票   
d号窗口 ，售出6号车票   
d号窗口 ，售出5号车票   
d号窗口 ，售出4号车票  [回复](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#post)  [更多评论](http://www.blogjava.net/comment?author=eagledame)

[**#**](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#390405)**re: java 同步锁（synchronized） 2012-10-29 15:56**[**eagledame**](http://eagledame/)

兄弟 我执行了你的程序1 和程序2 结果如上 。和你说的完全不一样 。求解释   [回复](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#post)  [更多评论](http://www.blogjava.net/comment?author=eagledame)

[**#**](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#392824)**re: java 同步锁（synchronized） 2012-12-11 17:30 游客**

卖完票 记得ticket--  [回复](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#post)  [更多评论](http://www.blogjava.net/comment?author=%e6%b8%b8%e5%ae%a2)

[**#**](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#397007)**re: java 同步锁（synchronized）****2013-03-26 16:08 马容亮**

我的理解 是java默认多线程，但是 多线程并发会导致 公用变量处理不准确，synchronized 同步 使 每个线程处理公用变量时，能够在一个完善的队列中完成。  [回复](http://www.blogjava.net/tscfengkui/archive/2010/11/10/337709.html?opt=admin#post)  [更多评论](http://www.blogjava.net/comment?author=%e9%a9%ac%e5%ae%b9%e4%ba%ae)