

```

package com.sxt.syn;

import java.util.ArrayList;
import java.util.List;

/**
 * 快乐火车票
 * @author 江
 *
 */

public class Happy1230611 {
    public static void main(String[] args) {

        Web12306 c=new Web12306(4,"happy sxt");
        new Passenger(2,c,"老高").start();
        new Passenger(1,c,"老裴").start();

    }
}

//乘客
class Passenger extends Thread{
    SxtCinema cinema;
    int seats;

    public Passenger(int seats,Runnable target,String name) {
        super(target,name);
        this.seats=seats;
    }
}

//火车票网
class Web12306 implements Runnable{
    int available;//可用的位置

```

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        String name;

        public Web12306(int available,String name) {
this.available=available;
this.name=name;
        }

        @Override
        public void run() {
            Passenger p=(Passenger)Thread.currentThread();
            boolean flag=this.bookTickets(p.seats);
            if(flag) {
                System.err.println("出票成功"+Thread.currentThread().getName()+"-<位置为"+p.seats);
            }else {
                System.err.println("出票失败"+Thread.currentThread().getName()+"-<位置不够");
            }
        }

        //购票
        public synchronized boolean bookTickets(int seats) {
            System.err.println("欢迎光临"+this.name+", 当前可用位置为:"+available);

            if (seats > available) {
                return false;
            }
            available -= seats;
            return true;
        }
    }
}

```

