

```
class TicketBooking {  
  
    private int tickets = 5;  
  
    public synchronized void bookTicket(String userName, int seats) {  
  
        System.out.println(userName + " is trying to book " + seats + " ticket(s)...");  
  
        if (tickets >= seats) {  
            try {  
                Thread.sleep(1000); // Simulate delay  
            } catch (InterruptedException e) {  
                e.printStackTrace();  
            }  
  
            tickets = tickets - seats;  
            System.out.println(userName + " successfully booked " + seats + " ticket(s).");  
            System.out.println("Remaining Tickets: " + tickets);  
        } else {  
            System.out.println("Sorry " + userName + ", Not enough tickets available!");  
        }  
        System.out.println("-----");  
    }  
  
}  
  
class UserThread extends Thread {  
  
    TicketBooking booking;  
    String userName;  
    int seats;  
  
    UserThread(TicketBooking booking, String userName, int seats) {
```

```
this.booking = booking;
this.userName = userName;
this.seats = seats;
}

public void run() {
    booking.bookTicket(userName, seats);
}

}

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

        TicketBooking booking = new TicketBooking();

        UserThread user1 = new UserThread(booking, "Shubhangi", 2);
        UserThread user2 = new UserThread(booking, "Rahul", 2);
        UserThread user3 = new UserThread(booking, "Priya", 2);

        user1.start();
        user2.start();
        user3.start();
    }
}
```

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Windows PowerShell      + - x
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PS C:\Users\OMSAI> cd Downloads
PS C:\Users\OMSAI\Downloads> javac Main.java
PS C:\Users\OMSAI\Downloads> java Main
Shubhangi is trying to book 2 ticket(s)...
Shubhangi successfully booked 2 ticket(s).
Remaining Tickets: 3
-----
Priya is trying to book 2 ticket(s)...
Priya successfully booked 2 ticket(s).
Remaining Tickets: 1
-----
Rahul is trying to book 2 ticket(s)...
Sorry Rahul, Not enough tickets available!
PS C:\Users\OMSAI\Downloads>
```

