

```

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();
    }
}
```

```
Windows PowerShell
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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>
```