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Program Name: - BookMyShow

```
class TicketBooking implements Runnable {
    int avlTicket;    int resTicket;
    public TicketBooking(int avlTicket, int resTicket) {
        this.avlTicket=avlTicket;
        this.resTicket=resTicket;
    }
    public void run() {
        Thread t= Thread.currentThread();
        System.out.println("welcome to ticket Booking:"+t.getName());

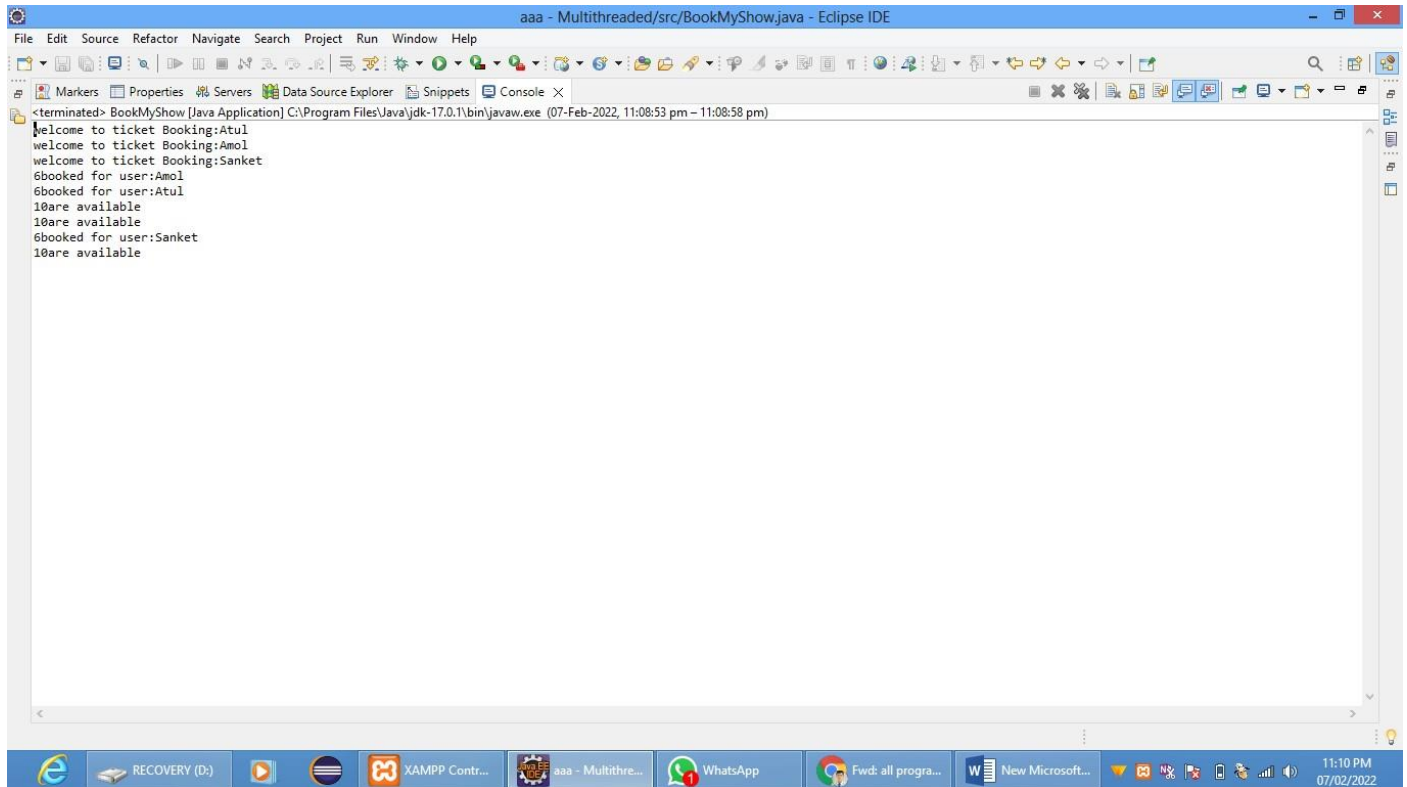
        if(resTicket<=avlTicket) {
            try {
                Thread.sleep(5000);
            } catch (InterruptedException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
            System.out.println(resTicket+"booked for user:"+t.getName());
            System.out.println(avlTicket+"are available");
        }
        else {
            System.out.println("ticket are not availabale");
        }
    }
}
```

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```
public class BookMyShow{
    public static void main(String[] args) {
        TicketBooking tickets=new TicketBooking(10, 6);
        Thread t1= new Thread (tickets);
        t1.setName("Atul");
        t1.setPriority(Thread.MAX_PRIORITY);
        t1.start();
        Thread t2= new Thread (tickets);
        t2.setName("Amol");
        t2.setPriority(3);
        t2.start();
        Thread t3= new Thread(tickets);
        t3.setName("Sanket");
        t3.setPriority(5);
        t3.start();

    }
}
```

# Output



The screenshot shows the Eclipse IDE interface with the console window open. The title bar of the IDE is 'aaa - Multithreaded/src/BookMyShow.java - Eclipse IDE'. The console window title is '<terminated> BookMyShow [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (07-Feb-2022, 11:08:53 pm - 11:08:58 pm)'. The console output is as follows:

```
<terminated> BookMyShow [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (07-Feb-2022, 11:08:53 pm - 11:08:58 pm)
welcome to ticket Booking:Atul
welcome to ticket Booking:Amol
welcome to ticket Booking:Sanket
6booked for user:Amol
6booked for user:Atul
10are available
10are available
6booked for user:Sanket
10are available
```

The taskbar at the bottom shows several open applications: RECOVERY (D:), XAMPP Contr..., aaa - Multithre..., WhatsApp, Fwd: all progra..., and New Microsoft... The system clock in the bottom right corner indicates 11:10 PM on 07/02/2022.