

Multithreading program:

Program1

Ticketbooking.java

```
class TicketBooking implements Runnable
{
    int avlTicket;
    int resTicket;

    public TicketBooking(int avlTicket,int resTicket)
    {
        this.avlTicket=avlTicket;
        this.resTicket=resTicket;
    }

    @Override
    public void run() {
        // TODO Auto-generated method stub
        Thread t=Thread.currentThread();
        System.out.println("welcome to ticket booking "+t.getName());
        if(resTicket<=avlTicket)
        {
            try {
                Thread.sleep(100);
            } catch (InterruptedException e) {
                // TODO Auto-generated catch block
                e.printStackTrace();
            }
            System.out.println(resTicket+"booked for user:"+t.getName());
            System.out.println(avlTicket+"available");
        }
        else
        {
            System.out.println("ticket is not avialable");
        }
        avlTicket=avlTicket-resTicket;
    }
}
```

BookMyshow.java

```
public class BookMyShow {

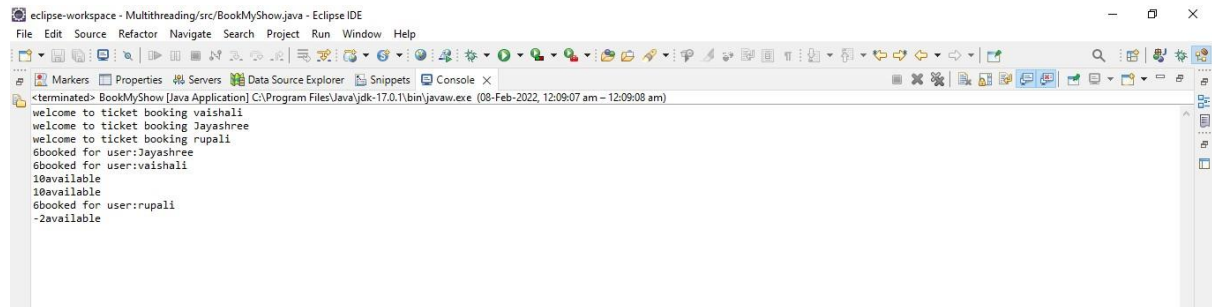
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        TicketBooking ticket=new TicketBooking(10,6);
        Thread t1=new Thread(ticket);
        t1.setName("vaishali");
        t1.setPriority(Thread.MAX_PRIORITY);
        t1.start();
        Thread t2=new Thread(ticket);
        t2.setName("rupali");
    }
}
```

```

        t2.setPriority(3);
        t2.start();
        Thread t3=new Thread(ticket);
        t3.setName("Jayashree");
        t3.start();
    }
}

```

Output:



```

eclipse-workspace - Multithreading/src/BookMyShow.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Markers Properties Servers Data Source Explorer Snippets Console X
<terminated> BookMyShow [Java Application] C:\Program Files\Java\jdk-17.0.1\bin\javaw.exe (08-Feb-2022, 12:09:07 am - 12:09:08 am)
welcome to ticket booking vaishali
welcome to ticket booking Jayashree
welcome to ticket booking rupali
6booked for user:Jayashree
6booked for user:vaishali
10available
10available
6booked for user:rupali
2available

```