**Problem Statement Name- Movie Booking**

3 shows are running in a movie theater. You are given available seats for all shows. Seats are categorized

as Platinum, Gold, and Silver. Show all available seats to customers before letting them select seats. A, B

& C rows are categorized into Platinum, Gold, and Silver and cost Rs. 320, Rs. 280 & Rs. 240 respectively.

Customers who want to book the tickets first ask for the show no. and then check whether seats are

available or not if available then book their seats else ask them to enter seats again.

Before each booking print all available seats and after booking show the total cost including taxes. All

bookings would be charged a service tax of 14% along with Swachh Bharat Cess and Krishi Kalyan Cess at

a rate of 0.5% each.

The problem should work recursively and once we are done booking all the tickets, finally, print the total

revenue generated along with the above taxes payable by the theater owner in the following format:

Revenue: Rs. XXXX

Service Tax: Rs. XXXX

Swachh Bharat Cess: Rs. XXXX Krishi Kalyan Cess: Rs. XXXX

**Seating arrangement:**

**Show 1 Running in Audi 1:**

**All Seats:**

A1 A2 A3 A4 A5 A6 A7 A8 A9

B1 B2 B3 B4 B5 B6

C2 C3 C4 C5 C6 C7

**Show 2 Running in Audi 2:**

**All Seats:**

A1 A2 A3 A4 A5 A6 A7

B2 B3 B4 B5 B6

C1 C2 C3 C4 C5 C6 C7

**Show 3 Running in Audi 3:**

**All Seats:**

A1 A2 A3 A4 A5 A6 A7

B1 B2 B3 B4 B5 B6 B7 B8

C1 C2 C3 C4 C5 C6 C7 C8 C9

**Note- Please ensure that your input and output precisely match the given format below and refrain**

**from printing any additional information**

**Input:**

Enter Show no: 1

**Available Seats:**

A1 A2 A3 A4 A5 A6 A7 A8 A9

B1 B2 B3 B4 B5 B6

C2 C3 C4 C5 C6 C7

Enter seats: B1, B4

Print: Successfully Booked - Show 1

Subtotal: Rs. 560

Service Tax @14%: Rs. 78.40

Swachh Bharat Cess @0.5%: Rs. 2.80

Krishi Kalyan Cess @0.5%: Rs. 2.80

Total: Rs. 644

Would you like to continue (Yes/No): Yes

**Input:**

Enter Show no: 1

**Available Seats:**

A1 A2 A3 A4 A5 A6 A7 A8 A9

B2 B3 B5 B6

C2 C3 C4 C5 C6 C7

Enter seats: B1, B3

Print: B1 Not available, Please select different seats

Would you like to continue (Yes/No): Yes

**Input:**

Enter Show no: 2

Available seats

A1 A2 A3 A4 A5 A6 A7

B2 B3 B4 B5 B6

C1 C2 C3 C4 C5 C6 C7

Enter seats: A1, A2, A3

Print: Successfully Booked - Show 2

Subtotal: Rs. 960

Service Tax @14%: Rs. 134.40

Swachh Bharat Cess @0.5%: Rs. 4.80

Krishi Kalyan Cess @0.5%: Rs. 4.80

Total: Rs. 1104

Would you like to continue (Yes/No): No

**Total Sales:**

Revenue: Rs. 1520

Service Tax: Rs. 212.80

Swachh Bharat Cess: Rs. 7.60

Krishi Kalyan Cess: Rs. 7.60