Assignment

- You must submit the complete solution.

- Though a working solution is important, the main evaluation criterion is **how well the code is written.**

- No **cheating**! You must not copy solutions from somewhere else. You must not share your solutions with others

- No **distribution**! You must not publish the problem statements nor your solutions to the public forums/repositories

- Submit your solutions as a zip attachment in the reply and keep everything in a single directory.

- In your Readme, write about your abstractions and how to run this solution.

1)Create a clean UI and logic to complete the below assignment -

3 shows are running in a movie theatre. You are given available seats of all shows. Seats are categorised as Platinum, Gold and Silver. Show all available seats to customers before letting them select seats. A, B & C rows are categorised into Platinum, Gold and Silver and costs Rs. 320, Rs. 280 & Rs. 240 respectively.

Customers who want to book the tickets first ask 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. Finally show total revenue generated by theatre owner.

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

B1 B2 B3 B4 B5 B6 B7 B8

C1 C2 C3 C4 C5 C6 C7 C8 C9