# Task 4: Aggregate Functions and Grouping - Online Movie Booking System

### 1. Count total bookings

SELECT COUNT(\*) AS TotalBookings FROM Booking;

### 2. Total seats booked for each show

SELECT ShowID, SUM(SeatsBooked) AS TotalSeats  
FROM Booking  
GROUP BY ShowID;

### 3. Average seats booked per customer

SELECT CustomerID, AVG(SeatsBooked) AS AvgSeats  
FROM Booking  
GROUP BY CustomerID;

### 4. Number of bookings made by each customer

SELECT CustomerID, COUNT(\*) AS NumberOfBookings  
FROM Booking  
GROUP BY CustomerID;

### 5. Customers who booked more than 2 times

SELECT CustomerID, COUNT(\*) AS BookingCount  
FROM Booking  
GROUP BY CustomerID  
HAVING COUNT(\*) > 2;

### 6. Total seats booked by each customer in descending order

SELECT CustomerID, SUM(SeatsBooked) AS TotalSeats  
FROM Booking  
GROUP BY CustomerID  
ORDER BY TotalSeats DESC;

### 7. Maximum seats booked in a single booking

SELECT MAX(SeatsBooked) AS MaxSeatsBooked FROM Booking;

### 8. Minimum seats booked in a single booking

SELECT MIN(SeatsBooked) AS MinSeatsBooked FROM Booking;

### 9. Average seats booked per booking (entire table)

SELECT AVG(SeatsBooked) AS AvgSeatsBooked FROM Booking;

### 10. Max, Min, and Avg seats per customer

SELECT CustomerID,  
 MAX(SeatsBooked) AS MaxSeats,  
 MIN(SeatsBooked) AS MinSeats,  
 AVG(SeatsBooked) AS AvgSeats  
FROM Booking  
GROUP BY CustomerID;