Project Title:

"Hotel Management System"

Question - 1] The accounts team wants to check payments made via UPI to measure digital adoption.

Question - 2] List all unique first names of customers for a duplicate check.

Question - 3] Delete all rooms with Capacity = 1.

Question - 4] Display each customer's name and phone number together using CONCAT.

Question - 5] The booking office wants to see bookings where RoomID = 10 to check utilization of a specific room.

Question - 6] Identify rooms whose Capacity is greater than the average Capacity of all rooms. (Rooms subquery)

Question - 7] Create a VIEW StaffContact showing Staff FirstName, LastName, Role, and Phone.

Question - 8] The receptionist wants to offer Suite rooms under ₹7000 to business travelers.

Question - 9] The admin wants to see email addresses sorted by LastName from the Customers table.

Question - 10] Show staff full names combined into one column.

Question - 11] Display all payment details in one line using CONCAT_WS.

Question - 12] The hotel wants to display the 2 most expensive rooms for VIP guests.

Question - 13] Show each BookingID with its CheckIn and CheckOut dates combined.

Question - 14] Finance wants to calculate the average Amount per PaymentMethod.

Question - 15] The analytics team wants to find the city where average CustomerID is greater than 50.

Question - 16] Find bookings where TotalAmount exceeds the average TotalAmount. (Bookings subquery)

Question - 17] Display the last 2 added rooms from the Rooms table.

Question - 18] The cashier wants a report of payments where Amount < ₹1500 for small transactions.

Question - 19] Management wants to list all customers who have made more than 5 bookings.

Question - 20] Identify customers who live in the same city. (Customers self join)

Question - 21] Show the total revenue handled by each StaffID.

Question - 22] The manager wants to see all customers from Mumbai to check city-wise marketing campaigns.

Question - 23] Display the 3 lowest booking amounts.

Question - 24] Insert 5 new room records with type, price, and capacity into the Rooms table.

Question - 25] Show all unique CustomerIDs from bookings.

Question - 26] Create a trigger to automatically delete a payment when its corresponding booking is deleted.

Question - 27] The marketing team wants to update the FirstName of CustomerID = 30 to 'Rahul'.

Question - 28] List all bookings ordered by CheckInDate.

Question - 29] Show all rooms where capacity is greater than 2.

Question - 30] List staff emails ordered by their roles.

Question - 31] Display each customer's full name and city using CONCAT_WS.

Question - 32] Show the first 4 customers' full names only.

Question - 33] Show each staff's role with their full name.

Question - 34] Management wants to find the average StaffID per role.

Question - 35] List all bookings handled by StaffID = 2.

Question - 36] Display the first 3 staff alphabetically by their first names.

Question - 37] The front desk manager wants to see customers where FirstName = 'Amit' AND City = 'Nagpur' for personal attention.

Question - 38] Show all unique payment methods in descending order.

Question - 39] Insert 5 staff members into the Staff table with their role, phone, and email.

Question - 40] The hotel manager wants to review bookings where CheckInDate is after '2024-01-01' to analyze recent occupancy.

Question - 41] List all customers whose FirstName is 'Rahul' for a loyalty program.

Question - 42] Show all unique room types offered by the hotel.

Question - 43] Identify customers who spent more than 50,000 in total.

Question - 44] Delete all customers from the city 'TestCity'.

Question - 45] Find rooms that have the same PricePerNight. (Rooms self join)

Question - 46] The manager wants to see staff whose Email ends with '@tcs.in' for corporate tie-ups.

Question - 47] The analytics team wants to list all cities where maximum CustomerID is more than 100.

Question - 48] Show all unique capacities in descending order.

Question - 49] List staff working as Managers.

Question - 50] Display each payment's ID, Method, Amount in one line.

Question - 51] Show the first 4 payments only.

Question - 52] The hotel manager wants to review rooms where PricePerNight is between ₹2000 and ₹4000 to offer discounts.

Question - 53] List all bookings ordered by CheckInDate.

Question - 54] Display all unique CustomerIDs from bookings.

Question - 55] The hotel manager wants to add new customer details. Insert 5 records with full details into the Customers table.

Question - 56] Show the last 2 staff hired.

Question - 57] Identify rooms with PricePerNight higher than the maximum PricePerNight of rooms with Capacity = 2. (Rooms subquery)

Question - 58] The HR team wants to see staff whose Role is not 'Chef' for role reallocation.

Question - 59] Show all unique cities in descending order from the Customers table.

Question - 60] Display the phone number of the Waiter only.

Question - 61] Display the last 2 bookings in the table.

Question - 62] The marketing team wants to see customers living in Delhi or Chennai for targeted promotions.

Question - 63] Show all rooms where RoomType != 'Family' to plan renovations.

Question - 64] List staff emails ordered by their roles.

Question - 65] Display all unique payment methods.

Question - 66] The receptionist wants a list of customers whose Phone starts with '98' for mobile offers.

Question - 67] Show the 3 cheapest rooms available for budget travelers.

Question - 68] Display the last 2 payments.

Question - 69] Management wants to know which unique cities customers come from.

Question - 70] List all bookings where TotalAmount > 5000.

Question - 71] Display each staff's Role with their Email in one column.

Question - 72] Show the first 4 staff full names.

Question - 73] Find bookings where TotalAmount is greater than all bookings made by

CustomerID = 10. (Bookings subquery)

Question - 74] List rooms with capacity >= 3 for family bookings.

Question - 75] Display the RoomType and Price of only Suite rooms.

Question - 76] The cashier wants to see payments with Amount between ₹2000 and ₹7000 for

mid-range billing checks.

Question - 77] Insert 5 booking records into the Bookings table with all details.

Question - 78] Display the 3 lowest payments made by customers.

Question - 79] Show each booking's BookingID with TotalAmount using CONCAT.

Question - 80] Show all unique RoomIDs in descending order.

Question - 81] Display each room's RoomType and Price using CONCAT_WS.

Question - 82] The admin wants to delete all bookings handled by StaffID = 3.

Question - 83] Show customers whose FirstName length > 5 characters for a name-pattern

study.

Question - 84] Show all unique roles available in the hotel.

Question - 85] List all rooms where capacity is greater than 2.

Question - 86] Display each payment's ID with Amount using CONCAT.

Question - 87] List all Card payments from the Payments table.

Question - 88] Delete all customers whose Email ends with '@test.com' as invalid.

Question - 89] The hotel manager wants to review bookings where CheckOutDate before '2023-12-31' to measure old occupancy.

Question - 90] The front office manager needs to list rooms with capacity = 2 for couples.

Question - 91] Show all unique capacities in descending order.

Question - 92] The operations team wants to find the minimum TotalAmount in bookings.

Question - 93] Display all rooms by capacity in ascending order.

Question - 94] Show each booking's BookingID with TotalAmount using CONCAT.

Question - 95] The operations head wants to see rooms with Capacity = 4 AND PricePerNight > ₹6000 for premium family packages.

Question - 96] Show staff full names combined into one column.

Question - 97] The accounts team wants to see bookings where the TotalAmount is greater than ₹10,000 to track high-value customers.

Question - 98] Show all unique payment methods in descending order.

Question - 99] List staff members who share the same Role. (Staff self join)

Question - 100] Show customer first name, last name, and TotalAmount of their bookings using JOIN between Customers and Bookings.

Question - 101] Display the first 4 bookings only.

Question - 102] Show all unique staff first names.

Question - 103] Insert 5 new room records with type, price, and capacity into the Rooms table.

Question - 104] Display each customer's full name and city using CONCAT_WS.

Question - 105] Show all unique cities in descending order from the Customers table.

Question - 106] The analytics team wants to list all cities where maximum CustomerID is more

than 100.

Question - 107] The HR team wants to see staff whose FirstName is 'Priya' for employee recognition.

Question - 108] Display the last 2 staff members from the Staff table.

Question - 109] Create a VIEW BookingSummary showing BookingID, CustomerID, RoomID, and TotalAmount.

Question - 110] Show all unique RoomIDs in descending order.

Question - 111] Display each staff's role with their full name.

Question - 112] The receptionist wants to offer Suite rooms under ₹7000 to business travelers.

Question - 113] Display the first 3 staff alphabetically by their first names.

Question - 114] List all bookings ordered by CheckInDate.

Question - 115] Show all unique StaffIDs from the bookings.

Question - 116] Display the first 4 customers' full names only.

Question - 117] Show all unique room types offered by the hotel.

Question - 118] Display the phone number of the Waiter only.

Question - 119] Show all bookings where TotalAmount > 5000.

Question - 120] The HR team wants to update Role = 'Senior Manager' where StaffID = 12.

Question - 121] List all staff working as Managers.

Question - 122] Show the last 2 registered customers for follow-up.

Question - 123] Display each booking's BookingID with TotalAmount using CONCAT.

Question - 124] Insert 5 staff members into the Staff table with their role, phone, and email.

Question - 125] Display the RoomType and Price of only Suite rooms.

Question - 126] The admin wants to delete all payments linked to BookingID = 15.

Question - 127] Display all unique capacities in descending order.

Question - 128] Show the first 4 rooms sorted alphabetically by RoomType.

Question - 129] The cashier wants a report of payments where Amount < ₹1500 for small transactions.

Question - 130] Show each booking's BookingID with TotalAmount using CONCAT.

Question - 131] Display the last 2 added rooms from the Rooms table.

Question - 132] List all customers whose FirstName = 'Amit' AND City = 'Nagpur' for personal attention.

Question - 133] Insert 5 new customer details into the Customers table.

Question - 134] Show staff full names combined into one column.

Question - 135] Show all room details separated by commas using CONCAT_WS.

Question - 136] Display each customer's name and phone number together using CONCAT.

Question - 137] Display all payment details in one line using CONCAT_WS.

Question - 138] Show the last 2 bookings in the table.

Question - 139] List all payments ordered by PaymentDate.

Question - 140] Show the 2 highest payments received.

Question - 141] The marketing team wants to check customers whose FirstName is 'Rahul' for a loyalty program.

Question - 142] Display each PaymentID with its method using CONCAT.

Question - 143] The operations team wants to list all PaymentMethods used more than 5 times.

Question - 144] Show the 2 most expensive rooms for VIP guests.

Question - 145] Show each room's RoomType and Price using CONCAT_WS.

Question - 146] Display the first 3 staff alphabetically by their first names.

Question - 147] List all bookings handled by StaffID = 2.

Question - 148] The analytics team wants to find the city where average CustomerID is greater than 50.

Question - 149] The hotel wants to display the 2 most expensive rooms for VIP guests.

Question - 150] Show all unique first names of customers for a duplicate check.

Question - 151] Show all unique roles in descending order.

Question - 152] Identify rooms whose Capacity is greater than the average Capacity of all rooms. (Rooms subquery)

Question - 153] Display all rooms by capacity in ascending order.

Question - 154] Display the first 4 payments only.

Question - 155] Show each payment's ID, Method, Amount in one line.

Question - 156] List all bookings where TotalAmount > 5000.

Question - 157] Find all customers whose CustomerID is greater than the average CustomerID. (Customers subquery)

Question - 158] The HR manager wants to see staff whose Role is not 'Chef' for role reallocation.

Question - 159] The accounts team wants to check bookings where TotalAmount is greater than ₹10,000.

Question - 160] Display each staff's role with their full name.

Question - 161] List staff members who share the same Role. (Staff self join)

Question - 162] Show Customer Name and Payment Amount by joining Customers, Bookings, and Payments.

Question - 163] Display all bookings where TotalAmount > 5000.

Question - 164] The front desk wants to see customers whose Phone starts with '98'.

Question - 165] Identify customers who live in the same city. (Customers self join)

Question - 166] The operations manager wants to check bookings with CheckOutDate before '2023-12-31'.

Question - 167] Display all unique StaffIDs from the bookings.

Question - 168] Create a VIEW OnlinePayments showing all payments made by PaymentMethod = 'Online'.

Question - 169] Display all unique payment methods in descending order.

Question - 170] Display each payment's ID with Amount using CONCAT.

Question - 171] Show all unique RoomIDs in descending order.

Question - 172] The analytics team wants to list all cities where maximum CustomerID is more than 100.

Question - 173] List staff emails ordered by their roles.

Question - 174] Find bookings where TotalAmount exceeds the average TotalAmount. (Bookings subquery)

Question - 175] Show all rooms where PricePerNight > ₹5000 for premium customer recommendations.

Question - 176] Show all unique capacities in descending order.

Question - 177] Display the first 4 rooms sorted alphabetically by RoomType.

Question - 178] Show all unique staff first names.

Question - 179] Identify rooms with PricePerNight higher than the maximum PricePerNight of rooms with Capacity = 2. (Rooms subquery)

Question - 180] Show all unique cities in descending order from the Customers table.

Question - 181] List all bookings where TotalAmount > 5000.

Question - 182] Show PaymentID, Customer Name, and BookingID for payments made using 'Credit Card'.

Question - 183] Display each booking's BookingID with TotalAmount using CONCAT.

Question - 184] Show all bookings handled by StaffID = 2.

Question - 185] Display the last 2 added rooms from the Rooms table.

Question - 186] List all rooms where capacity is greater than 2.

Question - 187] Display the last 2 staff members from the Staff table.

Question - 188] Show all unique roles available in the hotel.

Question - 189] Display the last 2 payments.

Question - 190] The manager wants to see bookings where CustomerID IN (2,4,6,8) to track repeat guests.

Question - 191] Show all unique first names of customers for a duplicate check.

Question - 192] Display all bookings where TotalAmount > 5000.

Question - 193] The admin wants to delete all payments where Amount < 1000.

Question - 194] Display all unique RoomIDs in descending order.

Question - 195] List customers who made more than 5 bookings.

Question - 196] Display all rooms by capacity in ascending order.

Question - 197] Show each booking's BookingID with TotalAmount using CONCAT.

Question - 198] List all staff working as Managers.

Question - 199] Show customers whose FirstName length > 5 characters for a name-pattern study.

Question - 200] Display all unique capacities in descending order.

Question - 201] List staff members who share the same Role. (Staff self join)

Question - 202] Show PaymentID, Customer Name, and BookingID for payments made using 'Credit Card'.

Question - 203] Display the first 4 payments only.

Question - 204] Show each payment's ID, Method, Amount in one line.

Question - 205] Create a VIEW HighValueBookings showing all bookings with TotalAmount > 20,000.

Question - 206] Create a trigger to automatically delete a payment when its corresponding booking is deleted.

Question - 207] Create a trigger to prevent insertion of a booking where CheckOutDate < CheckInDate.

Question - 208] Create a trigger to automatically update TotalAmount in Bookings when a payment is inserted in Payments.