# Tour Management System - SQL Query Questions & Tables

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**BHAGWAN MAHAVIR UNIVERSITY**

**Theory & Practical Assignment**

Q.1 What is RDBMS? Explain Characteristics of RDBMS

Q.2 Explain DBMS Architecture with proper diagram

Q.3 Define Relational Model Concepts

Q.4 Explain Database Users with proper explanation

Q.5 Define Relational Algebra with examples

Table 1: Customers

CREATE TABLE Customers (

customer\_id INT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

phone VARCHAR(15),

country VARCHAR(50)

);

Table 2: Tours

CREATE TABLE Tours (

tour\_id INT PRIMARY KEY,

tour\_name VARCHAR(100) NOT NULL,

location VARCHAR(100),

price DECIMAL(10,2),

duration\_days INT

);

Table 3: Bookings

CREATE TABLE Bookings (

booking\_id INT PRIMARY KEY,

customer\_id INT,

tour\_id INT,

booking\_date DATE,

travel\_date DATE,

status VARCHAR(20),

FOREIGN KEY (customer\_id) REFERENCES Customers(customer\_id),

FOREIGN KEY (tour\_id) REFERENCES Tours(tour\_id)

);

Table 4: Payments

CREATE TABLE Payments (

payment\_id INT PRIMARY KEY,

booking\_id INT,

payment\_date DATE,

amount DECIMAL(10,2),

payment\_method VARCHAR(50),

FOREIGN KEY (booking\_id) REFERENCES Bookings(booking\_id)

);

All the table should have the proper constrains with Primary key, foreign key, Check, Unique, not null and Default

1. Display all records from the Customers table.

2. Show first and last names of all customers from the USA.

3. Count how many customers are from India.

4. List all distinct countries from the Customers table.

5. Display all customers sorted by first name in ascending order.

6. Show all customers whose phone number starts with '98'.

7. Show all customers whose email contains 'example.com'.

8. Display the first 5 customers from the Customers table.

9. Update the phone number of the customer with customer\_id = 3 to '9999999999'.

10. Delete the customer whose customer\_id is 10.

11. Display all records from the Tours table.

12. Show tour name and price of all tours where price is greater than 2500.

13. Count how many tours have the destination 'India'.

14. List tour names in descending order of price.

15. Display all tours starting in September 2025.

16. Find the average price of all tours.

17. Find the cheapest tour price.

18. Find the most expensive tour price.

19. Increase the price by 10% for tours with destination 'France'.

20. Delete all tours with a price less than 2000.

21. Display all records from the Bookings table.

22. Count how many bookings have status 'Confirmed'.

23. Show all bookings where seats booked are 3 or more.

24. Display all bookings sorted by booking date in descending order.

25. List all distinct booking statuses.

26. Show all bookings made before '2025-08-01'.

27. Calculate the total seats booked from all bookings.

28. Display booking IDs where status is 'Pending'.

29. Change the status of booking with booking\_id = 2 to 'Confirmed'.

30. Delete all bookings with status 'Cancelled'.

31. Display all records from the Payments table.

32. Count how many payments were made using 'Credit Card'.

33. Calculate the total revenue from all payments.

34. Show payment IDs where the amount is greater than 5000.

35. Display all payments sorted by payment date in ascending order.

36. Find the average payment amount.

37. Find the smallest payment amount.

38. Find the largest payment amount.

39. Update the payment method to 'UPI' where payment\_id = 4.

40. Delete all payments where amount is less than 3000.