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Daffodil International University

Department of ITM

Faculty of Science and Information Technology (FSIT)

Lab Final Examination, Semester: Summer 2025

Course Code: SE 224, Course Title: Database Systems Lab

Course Teacher: NJ (A)

Time: 1:30 Hours **SET A**

Marks: 100

Consider the following schema:

Library Booking System

Member Table

MemberID	MemberName	MembershipType	Email	JoinDate	City
1	Alice Smith	Student	alice@mail.com	2025-01-10	Dhaka
2	Bob Khan	Staff	bob@mail.com	2025-02-05	Chittagong
3	Carol Tan	Student	carol@mail.com	2025-03-12	Dhaka
4	David Lee	Staff	david@mail.com	2025-04-01	Khulna

Booking Table

BookingID	MemberID	BookingDate	RoomNumber	DurationHours	Purpose	Status
101	1	2025-08-01	101	2	Study	Confirmed
102	2	2025-08-03	102	3	Meeting	Pending
103	1	2025-08-05	103	1	Study	Confirmed

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104	3	2025-08-06	101	2	Study	Cancelled
105	4	2025-08-07	104	4	Meeting	Confirmed

Questions:

1. Retrieve all members from Dhaka.
2. List all bookings sorted by BookingDate in descending order.
3. Find all members whose names start with the letter 'A'.
4. Display all bookings along with the corresponding member names.
5. Find the total booking hours for all bookings.
6. Count the number of bookings per member.
7. Find members who have more than 1 booking.
8. List members who have bookings longer than 3 hours.
9. Find total booking hours per city.
10. Update the status of bookings with DurationHours less than 2 to 'Reviewed'.
11. Delete all bookings that are cancelled.
12. Find members who have never had a confirmed booking.