**Assignment**

**TASK ;** Apply at least 30 queries in your Database project **:**

SELECT \* FROM GuestTable;

SELECT \* FROM EmployeeTable;

SELECT ReservationTable.\*, GuestTable.Name AS GuestName

FROM ReservationTable

INNER JOIN GuestTable ON ReservationTable.GuestId = GuestTable.Id;

SELECT ReservationTable.Id, SUM(RoomTable.Room\_Price) AS TotalRoomPrice

FROM ReservationTable

INNER JOIN RoomTable ON ReservationTable.Room\_No = RoomTable.Room\_No

GROUP BY ReservationTable.Id;

UPDATE GuestTable SET Age = 25 WHERE Id = 1;

INSERT INTO EmployeeTable (Id, Name, Age) VALUES (4, 'John Doe', 30);

DELETE FROM ReservationTable WHERE Id = 3;

SELECT MAX(Room\_Price) AS HighestRoomPrice FROM RoomTable;

SELECT COUNT(\*) AS GuestCount FROM GuestTable;

SELECT \* FROM GuestTable WHERE Age > 25;

SELECT \* FROM ReservationTable WHERE Hotel\_Code = 'ABC123';

SELECT AVG(Age) AS AverageAge FROM GuestTable;

UPDATE ReservationTable SET Room\_Type = 'Suite' WHERE Id = 2;

INSERT INTO GuestTable (Id, Name, Age, Phone, Address) VALUES (5, 'Alice Johnson', 28, 1234567890, '123 Main St');

SELECT ReservationTable.\*, RoomTable.Room\_type AS RoomType

FROM ReservationTable

INNER JOIN RoomTable ON ReservationTable.Room\_No = RoomTable.Room\_No;

DELETE FROM GuestTable WHERE Id = 2;

SELECT MIN(Age) AS MinimumAge FROM GuestTable;

SELECT ReservationTable.\*

FROM ReservationTable

INNER JOIN GuestTable ON ReservationTable.GuestId = GuestTable.Id

WHERE GuestTable.Age < 30;

UPDATE RoomTable SET Room\_Price = 150 WHERE Room\_No = 101;

SELECT TOP 1 \* FROM ReservationTable ORDER BY Id DESC;

SELECT GuestTable.\*

FROM GuestTable

LEFT JOIN ReservationTable ON GuestTable.Id = ReservationTable.GuestId

WHERE ReservationTable.Id IS NULL;

SELECT COUNT(\*) AS TotalRooms FROM RoomTable;

UPDATE EmployeeTable SET Name = 'Jane Smith' WHERE Id = 1;

INSERT INTO ReservationTable (Id, GuestId, Room\_No, Room\_Type, Hotel\_Code) VALUES (4, 3, 102, 'Double', 'XYZ456');

SELECT \* FROM ReservationTable WHERE GuestId = 1;

SELECT AVG(Room\_Price) AS AverageRoomPrice FROM RoomTable;

DELETE FROM RoomTable WHERE Room\_No = 103;

SELECT GuestTable.\*

FROM GuestTable

INNER JOIN ReservationTable ON GuestTable.Id = ReservationTable.GuestId

WHERE ReservationTable.Hotel\_Code = 'XYZ456';

SELECT Room\_Type, COUNT(\*) AS ReservationCount

FROM ReservationTable

GROUP BY Room\_Type;

UPDATE GuestTable SET Address = '456 Oak St' WHERE Id = 1;