

## Hotel Database – JOIN Queries

1. Display hotel ID, name, and the name of its manager.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure, including the 'hotelDB' database. The query editor in the center contains the following SQL query:

```
SELECT * FROM Room;  
  
SELECT  
    B.BranchID,  
    B.name AS HotelName,  
    S.name AS ManagerName  
FROM Branch B  
JOIN Staff S ON B.BranchID = S.branchid  
WHERE S.jobtitle = 'Manager';
```

The Results pane at the bottom shows the output of the query, displaying a table with three columns: BranchID, HotelName, and ManagerName. The data is as follows:

BranchID	HotelName	ManagerName
1	Han Branch	Ahmed Ali

2. Display hotel names and the rooms available under them.

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor in the center contains the following SQL query:

```
JOIN Staff S ON B.BranchID = S.branchid  
WHERE S.jobtitle = 'Manager';  
  
SELECT  
    B.name AS HotelName,  
    R.RoomID,  
    R.type,  
    R.nightly_rate,  
    R.room_available  
FROM Branch B  
JOIN Staff S ON B.BranchID = S.branchid  
JOIN Booking BK ON S.StaffID = BK.StaffID  
JOIN Room R ON BK.BookingID = R.BookingID  
WHERE R.room_available = 1;
```

The Results pane at the bottom shows the output of the query, displaying a table with five columns: Hotelname, RoomID, type, nightly\_rate, and room\_available. The data is as follows:

Hotelname	RoomID	type	nightly_rate	room_available
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3. Display guest data along with the bookings they made.

hotel new-sql - DESKTOP-GILBFO\hotelDB (DESKTOP-GILBFO\nours (32)) - Microsoft SQL Server Management Studio (Administrator)

```

JOIN Room R ON BK.BookingID = R.BookingID
WHERE R.room_available = 1;

SELECT
    C.CusID,
    C.name AS GuestName,
    C.phone,
    C.email,
    BK.BookingID,
    BK.check_in_date,
    BK.check_out_date
FROM Customer C
JOIN Booking BK ON C.CusID = BK.CusID;

```

CusID	GuestName	phone	email	BookingID	check_in_date	check_out_date
1	Ali Hassan	91234567	ali@gmail.com	1	2025-01-10	2025-01-15
2	Sara Ahmed	91234578	sara@yahoo.com	2	2025-01-12	2025-01-14
3	Omar Said	91456789	omar@hotmail.com	3	2025-01-20	2025-01-25

Query executed successfully.

#### 4. Display bookings for hotels in Muscat or Salalah

hotel new-sql - DESKTOP-GILBFO\hotelDB (DESKTOP-GILBFO\nours (32)) - Microsoft SQL Server Management Studio (Administrator)

```

JOIN Booking BK ON C.CusID = BK.CusID;

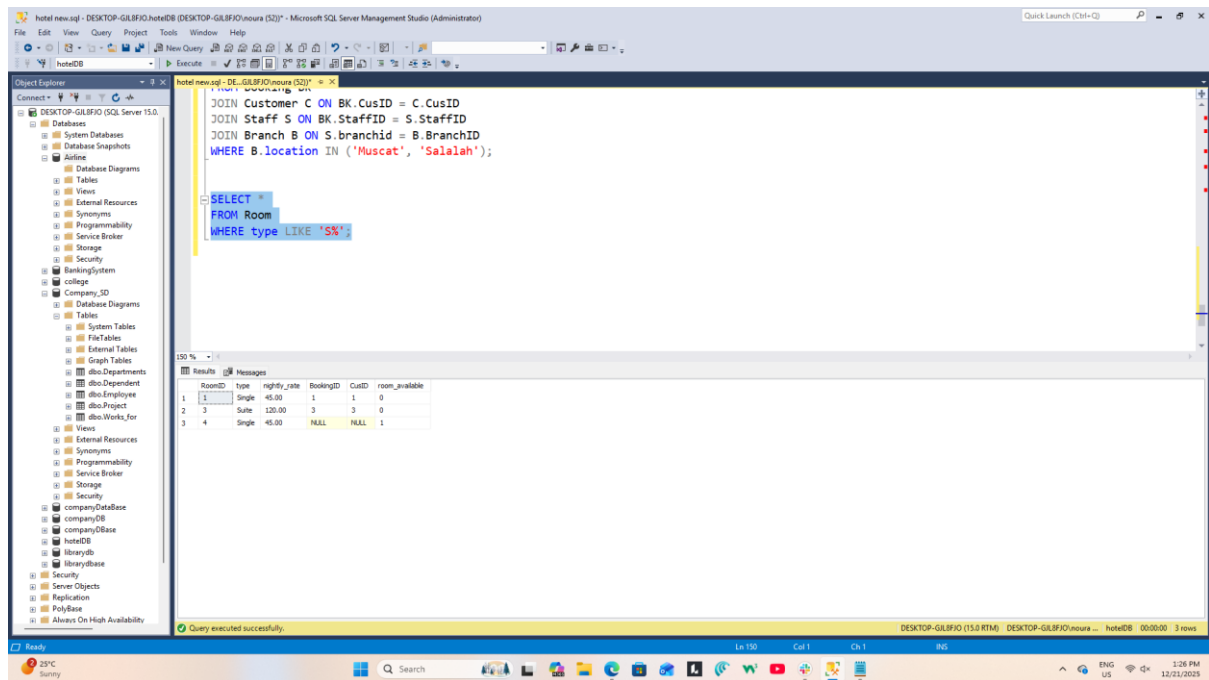
SELECT
    BK.BookingID,
    C.name AS GuestName,
    B.name AS HotelName,
    B.location,
    BK.check_in_date,
    BK.check_out_date
FROM Booking BK
JOIN Customer C ON BK.CusID = C.CusID
JOIN Staff S ON BK.StaffID = S.StaffID
JOIN Branch B ON S.BranchID = B.BranchID
WHERE B.location IN ('Muscat', 'Salalah');

```

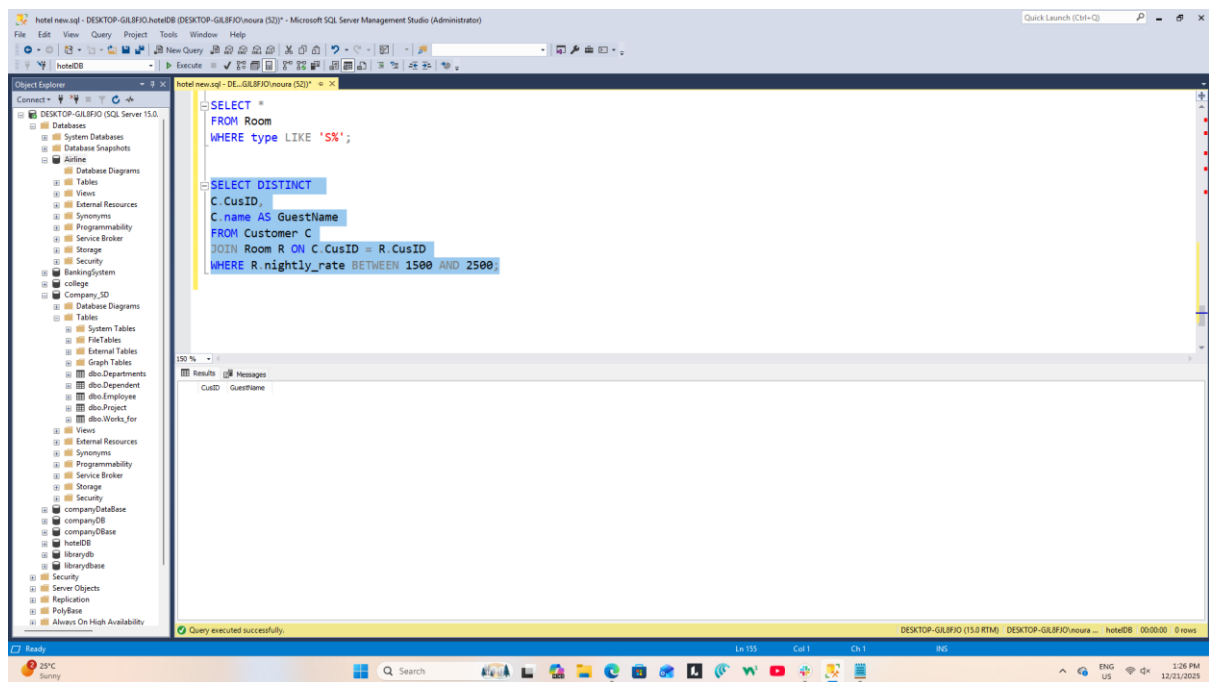
BookingID	GuestName	HotelName	location	check_in_date	check_out_date
1	Ali Hassan	Main Branch	Muscat	2025-01-10	2025-01-15
3	Omar Said	Main Branch	Muscat	2025-01-20	2025-01-25

Query executed successfully.

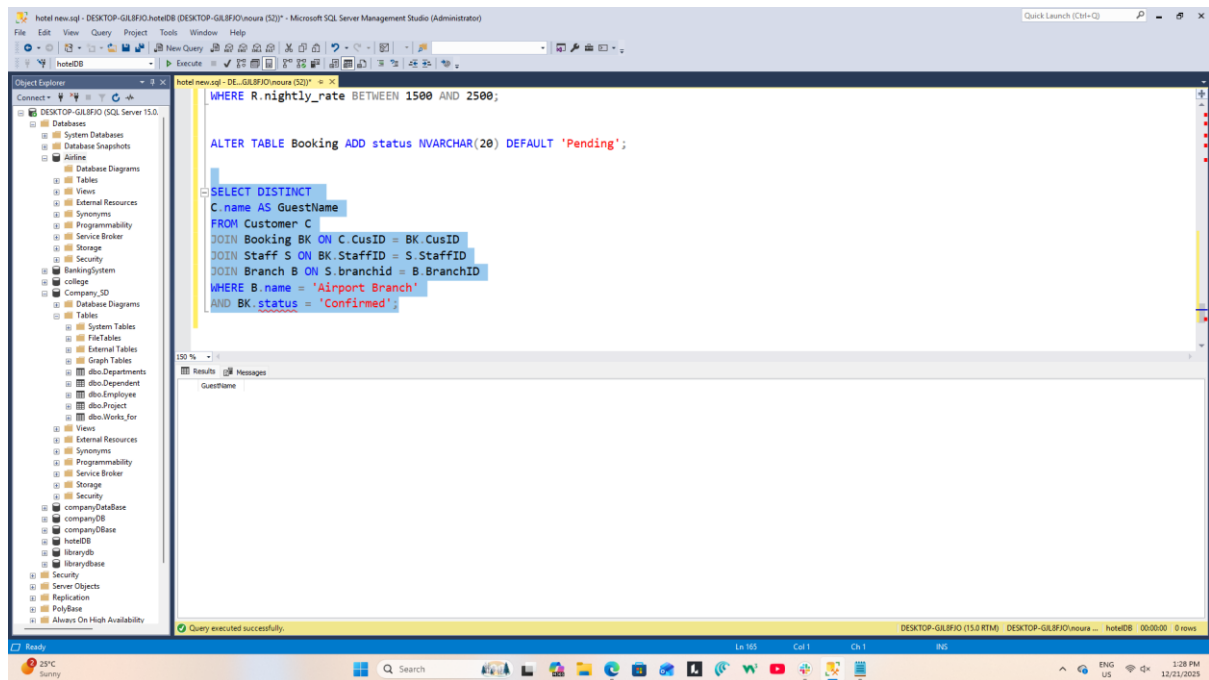
#### 5. Display all room records where room type starts with "S" (e.g., "Suite", "Single").



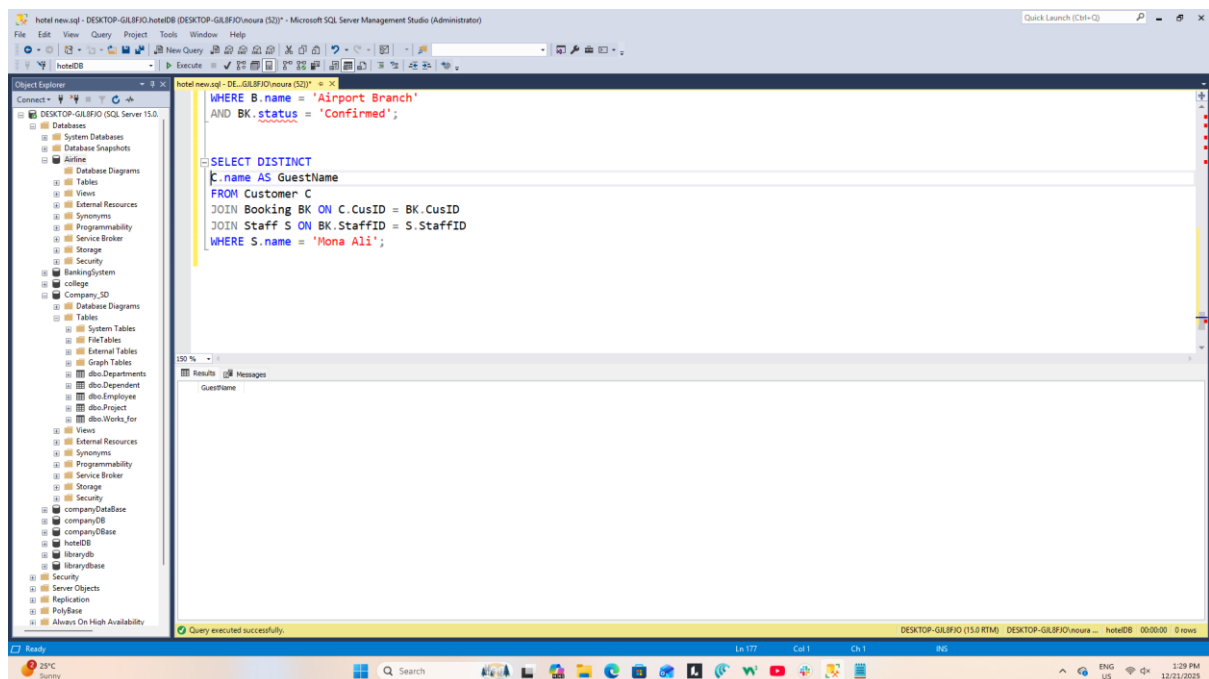
6. List guests who booked rooms priced between 1500 and 2500 LE.



7. Retrieve guest names who have bookings marked as 'Confirmed' in hotel " Airport Branch " .



8. Find guests whose bookings were handled by staff member "Mona Ali".



9. Display each guest's name and the rooms they booked, ordered by room type.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'DESKTOP-GILBFO (SQL Server 15.0)'. The central query window contains the following SQL code:

```
WHERE S.name = 'Mona Ali';

SELECT
    C.name AS GuestName,
    R.RoomID,
    R.type,
    R.nightly_rate
FROM Customer C
JOIN Room R ON C.CusID = R.CusID
ORDER BY R.type;
```

The Results pane at the bottom shows the output of the query, which consists of 3 rows:

GuestName	RoomID	type	nightly_rate
Sara Ahmed	2	Double	70.00
Ali Hassan	1	Single	45.00
Omer Sed	3	Suite	120.00

The status bar at the bottom indicates 'Query executed successfully' and '3 rows'.

10. For each hotel in 'Seeb', display hotel ID, name, manager name, and contact info.

The screenshot shows the Microsoft SQL Server Management Studio interface. The Object Explorer on the left displays the database structure for 'DESKTOP-GILBFO (SQL Server 15.0)'. The central query window contains the following SQL code:

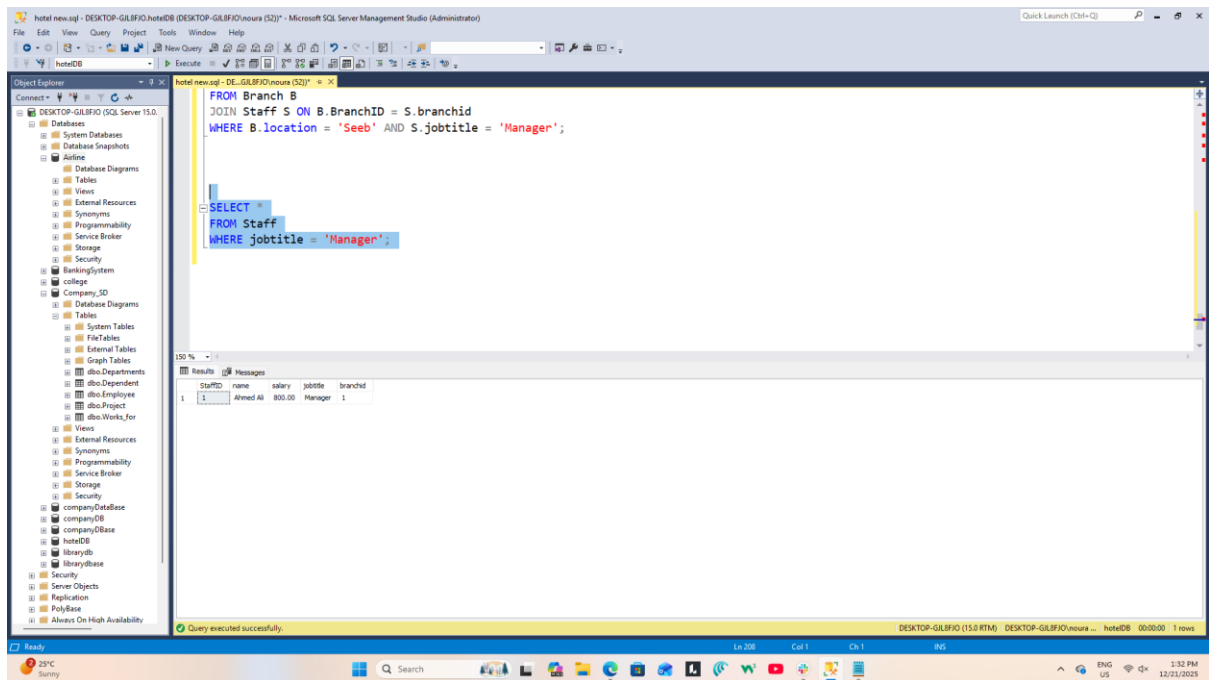
```
SELECT
    B.BranchID,
    B.name AS HotelName,
    S.name AS ManagerName,
    S.salary,
    S.jobtitle
FROM Branch B
JOIN Staff S ON B.BranchID = S.branchid
WHERE B.location = 'Seeb' AND S.jobtitle = 'Manager';
```

The Results pane at the bottom shows the output of the query, which consists of 1 row:

BranchID	HotelName	ManagerName	salary	jobtitle

The status bar at the bottom indicates 'Query executed successfully'.

11. Display all staff members who hold 'Manager' positions.



12. Display all guests and their reviews, even if some guests haven't submitted any reviews

