

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Connect: DESKTOP-BLAC2BR (SQL Server 15.0.20)

Object Explorer: Databases, System Databases, Database Snapshots, AirlineDB, BankingSystem, collage, collageDB2, Company, Company_3D, companyDatabase, companyDB, Hotel, HotelDB, HotelDB2, Database Diagrams, Tables, Views, External Resources, Synonyms, Programmability, Service Broker, Storage, Security, LibraryManagementSystem, Security, Server Objects, Replication, PolyBase, Always On High Availability, Management, Integration Services Catalogs, SQL Server Agent (Agent XPs disabled), XEvent Profiler

Query:

```
---join-----
SELECT b.branch_id AS HotelID,
       b.name AS HotelName,
       s.name AS ManagerName
FROM branch b
JOIN Staff s
ON b.branch_id = s.branch_id
WHERE s.job_title = 'Manager';
```

Results: 1 row(s)

HotelID	HotelName	ManagerName
1	Downtown Inn	Emma Brown

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) | DESKTOP-BLAC2BR\fatih ... | HotelDB2 | 00:00:00 | 1 rows

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih) - Microsoft SQL Server Management Studio (Administrator)

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Query:

```
---join-----
SELECT b.branch_id AS HotelID,
       b.name AS HotelName,
       s.name AS ManagerName
FROM branch b
JOIN Staff s
ON b.branch_id = s.branch_id
WHERE s.job_title = 'Manager';

SELECT b.name AS HotelName,
       r.room_no AS RoomNumber,
       r.type AS RoomType
FROM branch b
JOIN Room r
ON b.branch_id = r.branch_id
ORDER BY b.name, r.room_no;
```

Results: 3 rows

HotelName	RoomNumber	RoomType
Downtown Inn	101	Single
Downtown Inn	102	Double
Lakeside Hotel	201	Suite

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) | DESKTOP-BLAC2BR\fatih ... | HotelDB2 | 00:00:00 | 3 rows

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\Fathi) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2080.1) | Databases | HotelDB2 | Tables | HotelDB2

Query Editor: HotelDB2.sql - DESKTOP-BLAC2BR\Fathi (33)*

```
---join-----
SELECT b.branch_id AS HotelID,
       b.name AS HotelName,
       s.name AS ManagerName
FROM Branch b
LEFT JOIN Staff s
  ON b.branch_id = s.branch_id
WHERE s.job_title = 'Manager';

SELECT b.name AS HotelName,
       r.room_no AS RoomNumber,
       r.type AS RoomType
FROM Room r
LEFT JOIN Branch b
  ON b.branch_id = r.branch_id
ORDER BY b.name, r.room_no;

SELECT c.c_id AS GuestID,
       c.name AS GuestName,
       c.phone,
       c.email,
       b.booking_id,
       b.check_in_date,
       b.check_out_date
FROM Customer c
LEFT JOIN Booking b
  ON c.c_id = b.c_id
ORDER BY c.c_id;
```

Results: 9 rows

GuestID	GuestName	phone	email	booking_id	check_in_date	check_out_date
1	Alice Johnson	555-1234	alice@example.com	1	2025-12-25	2025-12-28
2	Alice Johnson	555-1234	alice@example.com	6	2025-12-25	2025-12-28
3	Bob Smith	555-5678	bob@example.com	2	2025-12-26	2025-12-27
4	Bob Smith	555-5678	bob@example.com	7	2025-12-26	2025-12-27
5	Charlie Lee	555-9012	charlie@example.com	3	2025-12-27	2025-12-30
6	Charlie Lee	555-9012	charlie@example.com	8	2025-12-27	2025-12-30
7	Fatima	123-4567	Fatima@gmail.com	4	2025-12-24	2025-12-26
8	Fatima	123-4567	Fatima@gmail.com	5	2025-12-24	2025-12-26
9	Guest Two	NULL	NULL	NULL	NULL	NULL

Query executed successfully.

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\Fathi) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2080.1) | Databases | HotelDB2 | Tables | HotelDB2

Query Editor: HotelDB2.sql - DESKTOP-BLAC2BR\Fathi (33)*

```
FROM Customer c
LEFT JOIN Booking b
  ON c.c_id = b.c_id
ORDER BY c.c_id;

SELECT b.booking_id,
       c.name AS GuestName,
       b.name AS HotelName,
       br.location
FROM Booking b
LEFT JOIN Customer c
  ON b.c_id = c.c_id
LEFT JOIN Room_Booking rb
  ON b.booking_id = rb.booking_id
LEFT JOIN Branch br
  ON rb.branch_id = br.branch_id
WHERE br.location IN ('Mugheba', 'Sharw El Sheikh');
```

Results: 0 rows

booking_id	GuestName	HotelName	location
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Query executed successfully.

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih) (SQL) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-BLAC2BR\SQL Server 15.0.2075.1

Query: `r.type AS RoomType
FROM Room r
20111 Room r
ON b.branch_id = r.branch_id
ORDER BY b.name, r.room_no;

SELECT c.c_id AS GuestID,
c.name AS GuestName,
c.phone,
c.email,
b.booking_id,
b.check_in_date,
b.check_out_date
FROM Customer c
LEFT JOIN Booking b
ON c.c_id = b.c_id
ORDER BY c.c_id;

SELECT b.booking_id,
c.name AS GuestName,
br.name AS HotelName,
br.location
FROM Booking b
20111 Customer c
ON b.c_id = c.c_id
20111 Room_Booking rb
ON b.booking_id = rb.booking_id
20111 Branch br
ON rb.branch_id = br.branch_id
WHERE br.location IN ('123 Main St, City A');`

Results: 3 rows

booking_id	GuestName	HotelName	location
1	Alice Johnson	Downtown Inn	123 Main St, City A
2	Bob Smith	Downtown Inn	123 Main St, City A
5	Fatma	Downtown Inn	123 Main St, City A

Query executed successfully.

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih) (SQL) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: DESKTOP-BLAC2BR\SQL Server 15.0.2075.1

Query: `SELECT b.booking_id,
c.name AS GuestName,
br.name AS HotelName,
br.location
FROM Booking b
20111 Customer c
ON b.c_id = c.c_id
20111 Room_Booking rb
ON b.booking_id = rb.booking_id
20111 Branch br
ON rb.branch_id = br.branch_id
WHERE br.location IN ('123 Main St, City A');

SELECT *
FROM Room
WHERE type = 'S'`

Results: 2 rows

room_no	branch_id	type	nightly_rate
101	1	Single	100.00
201	2	Suite	250.00

Query executed successfully.

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih (33)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2075.1) - HotelDB2

Query Editor: DESKTOP-BLAC2BR - HotelDB2.sql - DESKTOP-BLAC2BR\fatih (33)

```

SELECT b.booking_id,
       c.name AS GuestName,
       br.name AS HotelName,
       br.location
FROM Booking b
JOIN Customer c
  ON b.c_id = c.c_id
JOIN Room_Booking rb
  ON b.booking_id = rb.booking_id
JOIN Branch br
  ON rb.branch_id = br.branch_id
WHERE br.location IN ('123 Main St, City A');

SELECT *
FROM Room
WHERE type LIKE 'S';

SELECT DISTINCT c.c_id AS GuestID,
               c.name AS GuestName,
               r.room_no,
               r.nightly_rate
FROM Customer c
JOIN Booking b
  ON c.c_id = b.c_id
JOIN Room_Booking rb
  ON b.booking_id = rb.booking_id
JOIN Room r
  ON rb.room_no = r.room_no AND rb.branch_id = r.branch_id
WHERE r.nightly_rate BETWEEN 150 AND 250;

```

Results: Messages

GuestID	GuestName	room_no	nightly_rate
---------	-----------	---------	--------------

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) / DESKTOP-BLAC2BR\fatih ... HotelDB2 00:00:00 0 rows

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih (33)) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2075.1) - HotelDB2

Query Editor: DESKTOP-BLAC2BR - HotelDB2.sql - DESKTOP-BLAC2BR\fatih (33)

```

ORDER BY c.c_id;

SELECT b.booking_id,
       c.name AS GuestName,
       br.name AS HotelName,
       br.location
FROM Booking b
JOIN Customer c
  ON b.c_id = c.c_id
JOIN Room_Booking rb
  ON b.booking_id = rb.booking_id
JOIN Branch br
  ON rb.branch_id = br.branch_id
WHERE br.location IN ('123 Main St, City A');

SELECT *
FROM Room
WHERE type LIKE 'S';

SELECT DISTINCT c.c_id AS GuestID,
               c.name AS GuestName,
               r.room_no,
               r.nightly_rate
FROM Customer c
JOIN Booking b
  ON c.c_id = b.c_id
JOIN Room_Booking rb
  ON b.booking_id = rb.booking_id
JOIN Room r
  ON rb.room_no = r.room_no AND rb.branch_id = r.branch_id
WHERE r.nightly_rate BETWEEN 150 AND 250;

```

Results: Messages

GuestID	GuestName	room_no	nightly_rate
2	Bob Smith	102	150.00
3	Charlie Lee	201	250.00

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) / DESKTOP-BLAC2BR\fatih ... HotelDB2 00:00:00 2 rows

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\Fatih) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2075.1) - HotelDB2

Query Editor: HotelDB2.sql - DESKTOP-BLAC2BR\Fatih (331) *

```
20211 Room r
    ON rb.room_no = r.room_no AND rb.branch_id = r.branch_id
WHERE r.rightivy_rate BETWEEN 150 AND 250;

-- SELECT DISTINCT c.name AS GuestName,
--             b.booking_id
FROM Customer c
20211 booking b
    ON c.C_ID = b.C_ID
20211 Room_Booking rb
    ON b.booking_id = rb.booking_id
20211 branch br
    ON rb.branch_id = br.branch_id
WHERE b.status = 'Confirmed'
AND br.name = 'Downtown Inn';
```

Results: Messages

GuestName	booking_id
Fatma	5

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) / DESKTOP-BLAC2BR\Fatih ... HotelDB2 00:00:00 1 rows

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\Fatih) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR (SQL Server 15.0.2075.1) - HotelDB2

Query Editor: HotelDB2.sql - DESKTOP-BLAC2BR\Fatih (331) *

```
-- SELECT DISTINCT c.name AS GuestName,
--             b.booking_id
FROM Customer c
20211 booking b
    ON c.C_ID = b.C_ID
20211 Room_Booking rb
    ON b.booking_id = rb.booking_id
20211 branch br
    ON rb.branch_id = br.branch_id
WHERE b.status = 'Confirmed'
AND br.name = 'Downtown Inn';

-- SELECT DISTINCT c.name AS GuestName,
--             s.name AS StaffName,
--             b.booking_id
FROM booking b
FROM Customer c
    ON b.C_ID = c.C_ID
20211 Staff s
    ON b.S_ID = s.S_ID
WHERE s.name = 'Sophia Davis';
```

Results: Messages

GuestName	StaffName	booking_id
Charlie Lee	Sophia Davis	3
Charlie Lee	Sophia Davis	8

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) / DESKTOP-BLAC2BR\Fatih ... HotelDB2 00:00:00 2 rows

Hoteldb2.sql - DESKTOP-BLAC2BR\Hoteldb2 (DESKTOP-BLAC2BR\Fatya) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR\SQL Server 15.0.2077.1. Databases: AdventureWorks, AdventureWorksLT, master, model, msdb, tempdb. Server Enterprise: Security, Server Objects, Replication, Polybase, Always On High Availability, Management, Integration Services Catalogs, SQL Server Agent (Agent XPs disabled), XEvent Profiler.

Hoteldb2.sql - DESKTOP-BLAC2BR\Fatya (33) ->

```

-- b.booking_id = rb.booking_id
2011 Branch br
    ON rb.branch_id = br.branch_id
WHERE b.status = 'Confirmed'
AND br.name = 'Downtown Inn';

--SELECT DISTINCT c.name AS GuestName,
--           s.name AS StaffName,
--           b.booking_id
FROM booking b
2011 Customer c
    ON b.c_id = c.c_id
2011 Staff s
    ON b.s_id = s.s_id
WHERE s.name = 'Sophia Davis';

--SELECT c.name AS GuestName,
--           r.room_no,
--           r.type AS RoomType
FROM Customer c
2011 Booking b
    ON c.c_id = b.c_id
2011 Room Booking rb
    ON b.booking_id = rb.booking_id
2011 Room r
    ON rb.room_no = r.room_no AND rb.branch_id = r.branch_id
ORDER BY c.name, r.type;

```

Results: Messages

	GuestName	room_no	RoomType
1	Alice Johnson	101	Single
2	Bob Smith	102	Dual
3	Charlie Lee	201	Suite
4	Fatya	101	Single

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) / DESKTOP-BLAC2BR\Fatya ... Hoteldb2 00:00:00 4 rows

Hoteldb2.sql - DESKTOP-BLAC2BR\Hoteldb2 (DESKTOP-BLAC2BR\Fatya) - Microsoft SQL Server Management Studio (Administrator)

Object Explorer: Connect to DESKTOP-BLAC2BR\SQL Server 15.0.2077.1. Databases: AdventureWorks, AdventureWorksLT, master, model, msdb, tempdb. Server Enterprise: Security, Server Objects, Replication, Polybase, Always On High Availability, Management, Integration Services Catalogs, SQL Server Agent (Agent XPs disabled), XEvent Profiler.

Hoteldb2.sql - DESKTOP-BLAC2BR\Fatya (33) ->

```

-- r.type AS RoomType
FROM Customer c
2011 Booking b
    ON c.c_id = b.c_id
2011 Room Booking rb
    ON b.booking_id = rb.booking_id
2011 Room r
    ON rb.room_no = r.room_no AND rb.branch_id = r.branch_id
ORDER BY c.name, r.type;

--SELECT br.branch_id AS HotelID,
--       br.name AS HotelName,
--       s.name AS ManagerName,
--       s.salary,
--       s.job_title
FROM Branch br
2011 Staff s
    ON br.branch_id = s.branch_id
WHERE br.location = '123 Main St, City A'
AND s.job_title = 'Manager';

```

Results: Messages

	HotelID	HotelName	ManagerName	salary	job_title
1	1	Downtown Inn	Emma Brown	4500.00	Manager

Query executed successfully. DESKTOP-BLAC2BR (15.0 RTM) / DESKTOP-BLAC2BR\Fatya ... Hoteldb2 00:00:00 1 rows

HotelDB2.sql - DESKTOP-BLAC2BR\HotelDB2 (DESKTOP-BLAC2BR\fatih) - Microsoft SQL Server Management Studio (Administrator)

File Edit View Query Project Tools Window Help

Quick Launch (Ctrl+Q)

Object Explorer

Connect to: DESKTOP-BLAC2BR\SQL Server 15.0.20080.1

DESKTOP-BLAC2BR\SQL Server 15.0.20080.1

- Databases
 - System Databases
 - Database Snapshots
 - Asynchronous
 - BankingSystem
 - collageDB2
 - Company_ID
 - companyDatabase
 - companyDB
 - Hotel
 - HotelDB
 - HotelDB2
 - Database Diagrams
 - Tables
 - Views
 - External Resources
 - Synonyms
 - Programmability
 - Service Broker
 - Storage
 - Security
 - Library/ManagementSystem
 - Security
 - Server Objects
 - Replication
 - PolyBase
 - Always On High Availability
 - Management
 - Integration Services Catalogs
 - SQL Server Agent (Agent XPs disabled)
 - XE Event Profiler

DESKTOP-BLAC2BR - Diagram 0

```

r.room_no
FROM Customer c
FROM Booking b
ON c.c_id = b.c_id
ON b.booking_id = rb.booking_id
FROM Room r
ON rb.room_no = r.room_no AND rb.branch_id = r.branch_id
ORDER BY c.name, r.type;

SELECT br.branch_id AS HotelID,
br.name AS HotelName,
s.name AS ManagerName,
s.salary,
s.job_title
FROM Branch br
FROM Staff s
ON br.branch_id = s.branch_id
WHERE br.location = '123 Main St, City A'
AND s.job_title = 'Manager';

SELECT
FROM Staff
WHERE job_title = 'Manager';

```

Results Messages

S_ID	branch_id	name	job_title	salary
1	1	Emma Brown	Manager	4500.00

Query executed successfully.

DESKTOP-BLAC2BR (15.0 RTM) | DESKTOP-BLAC2BR\fatih ... | HotelDB2 | 00:00:00 | 1 rows

Ready

22°C Mostly cloudy

Search

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11:12 AM 12/22/2023