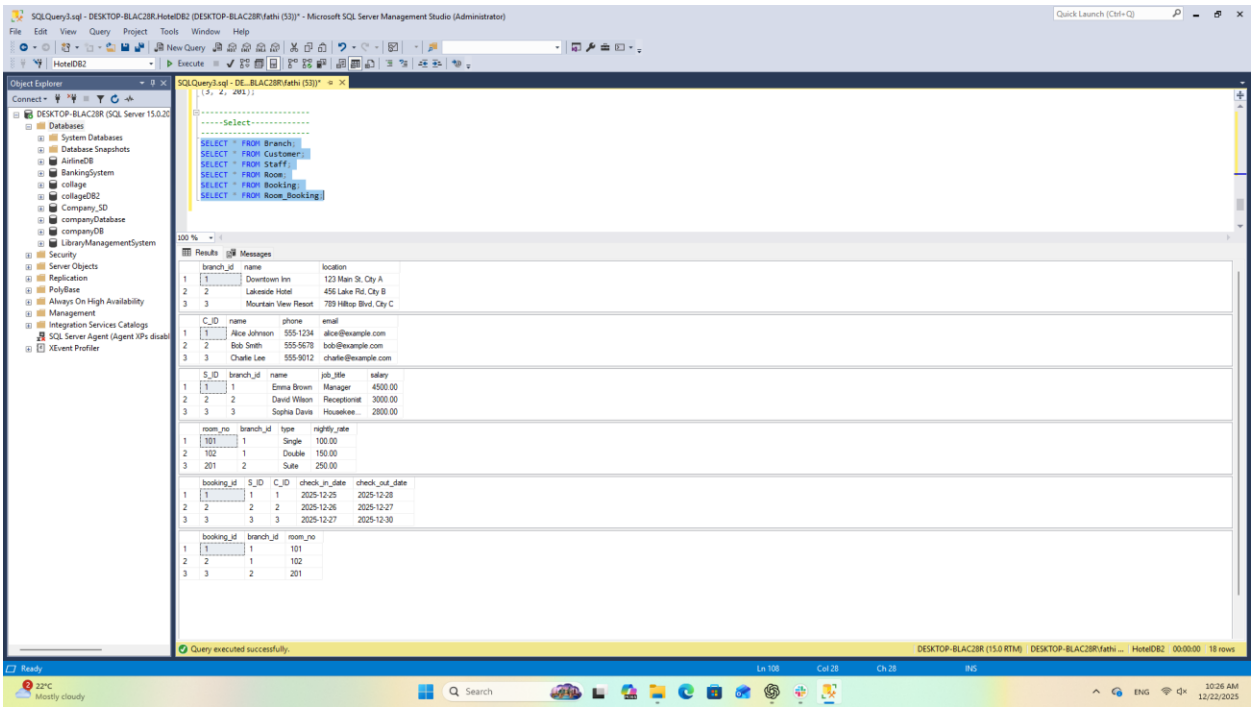
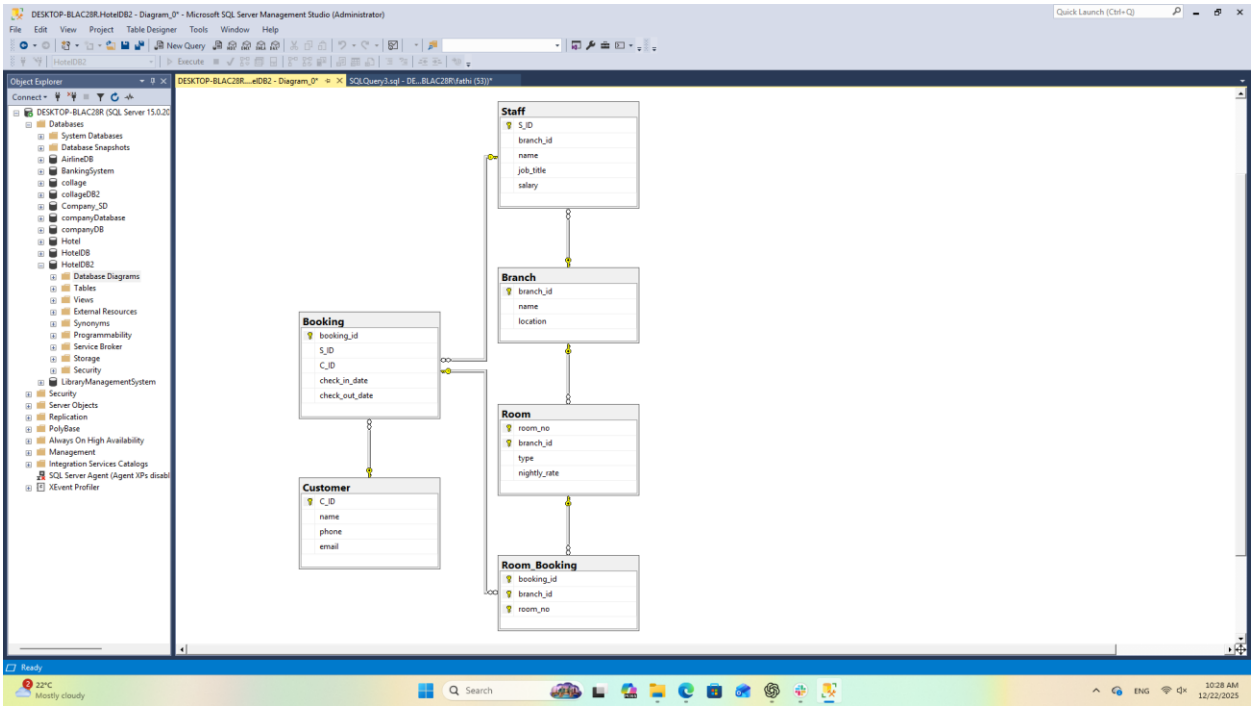
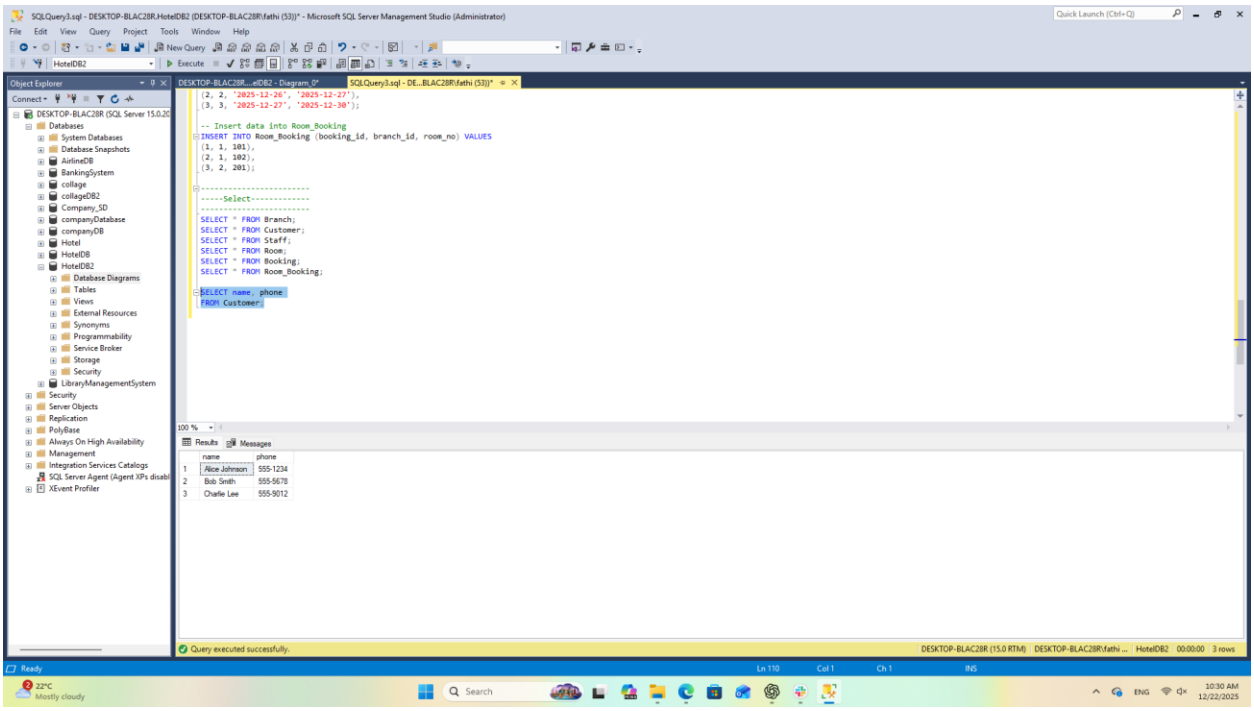
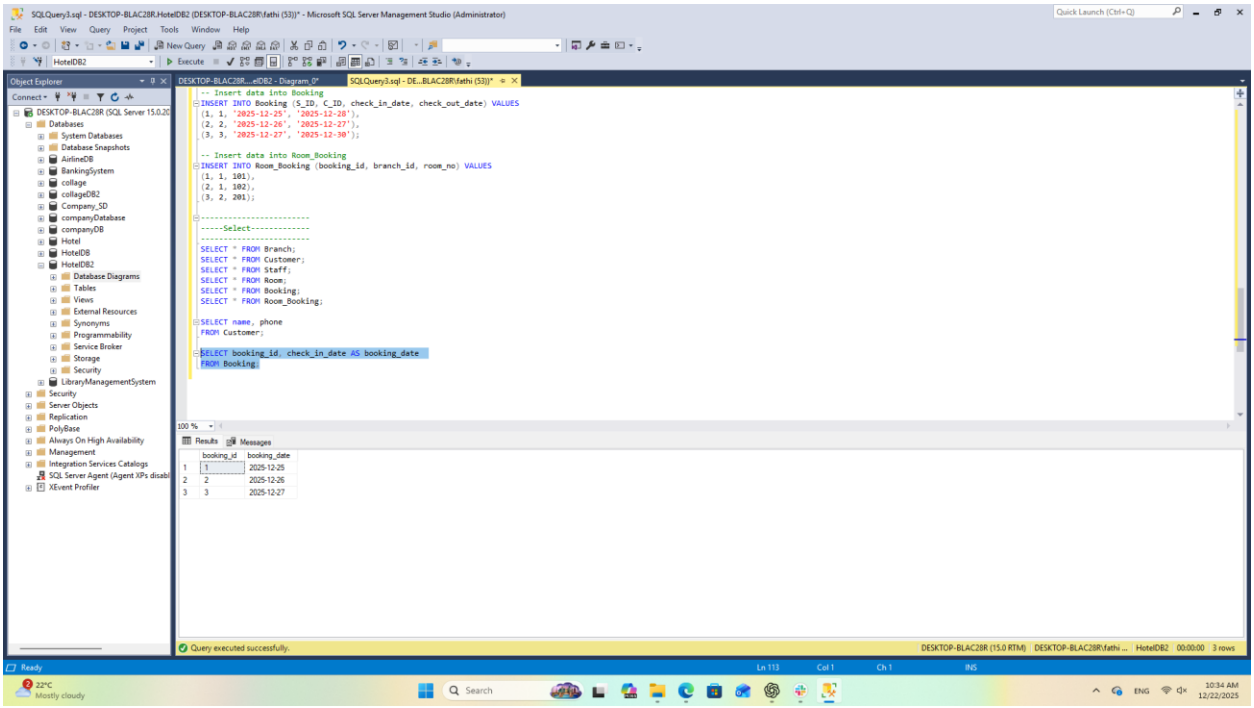
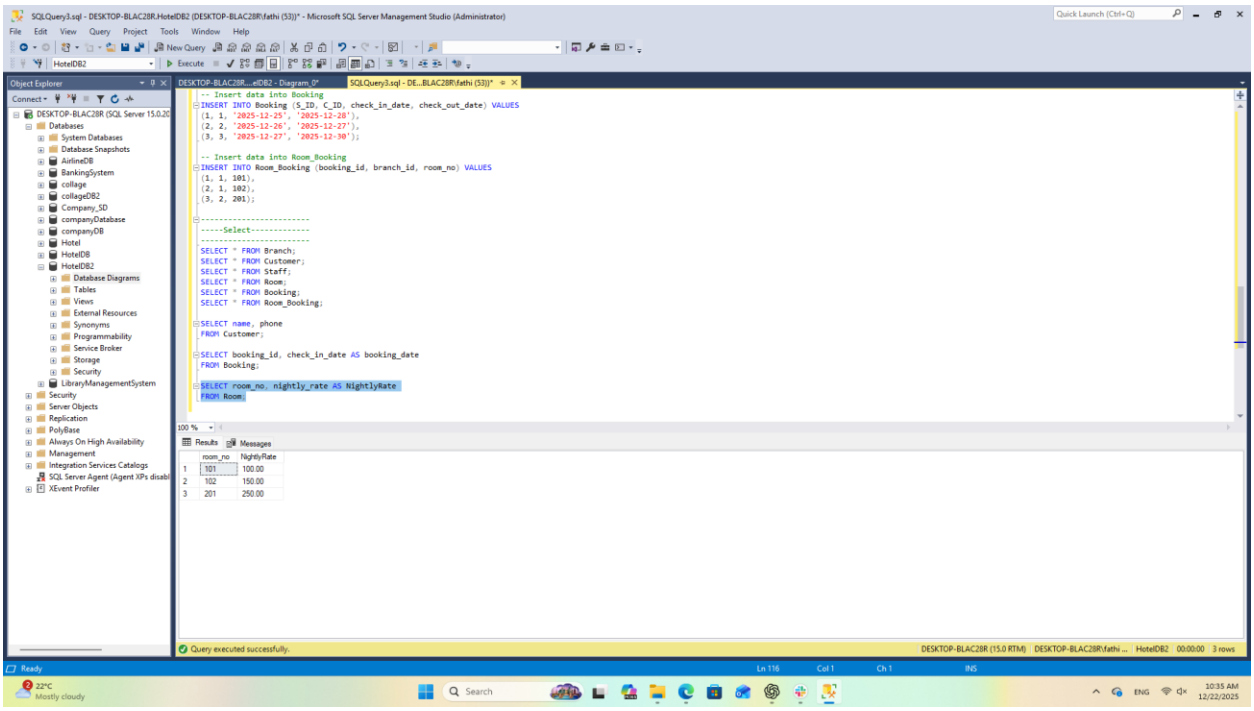
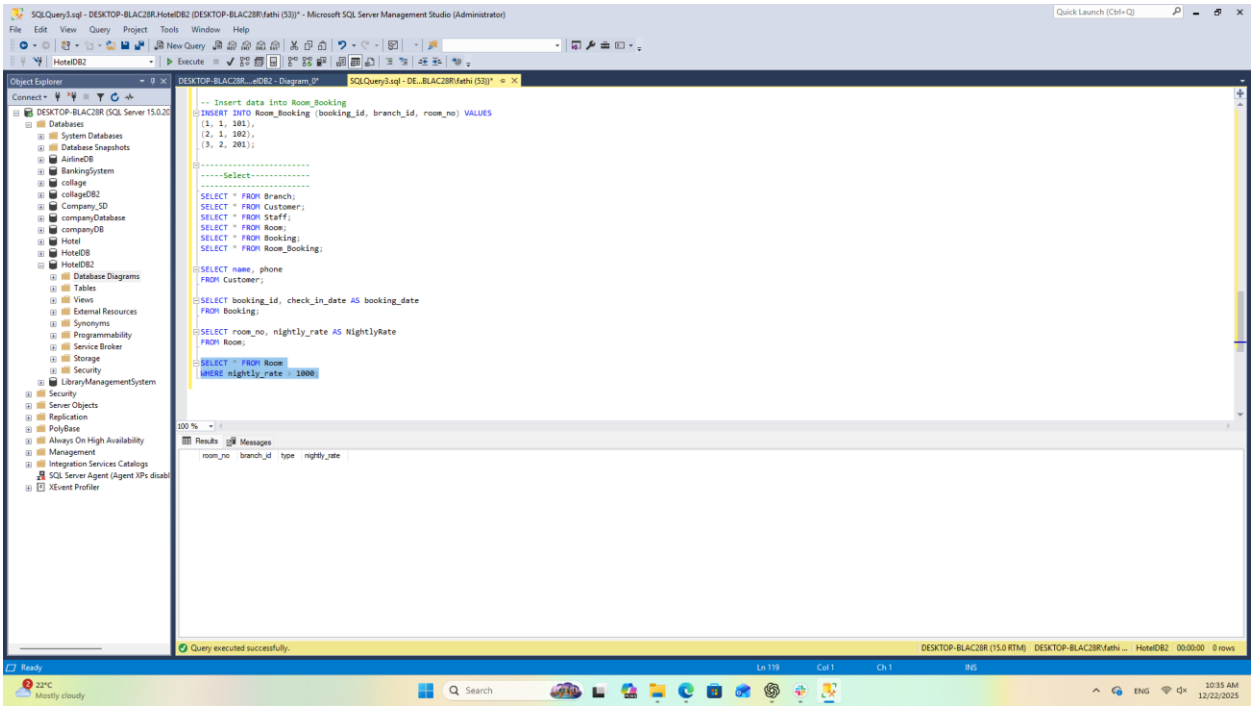

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
Query executed successfully.

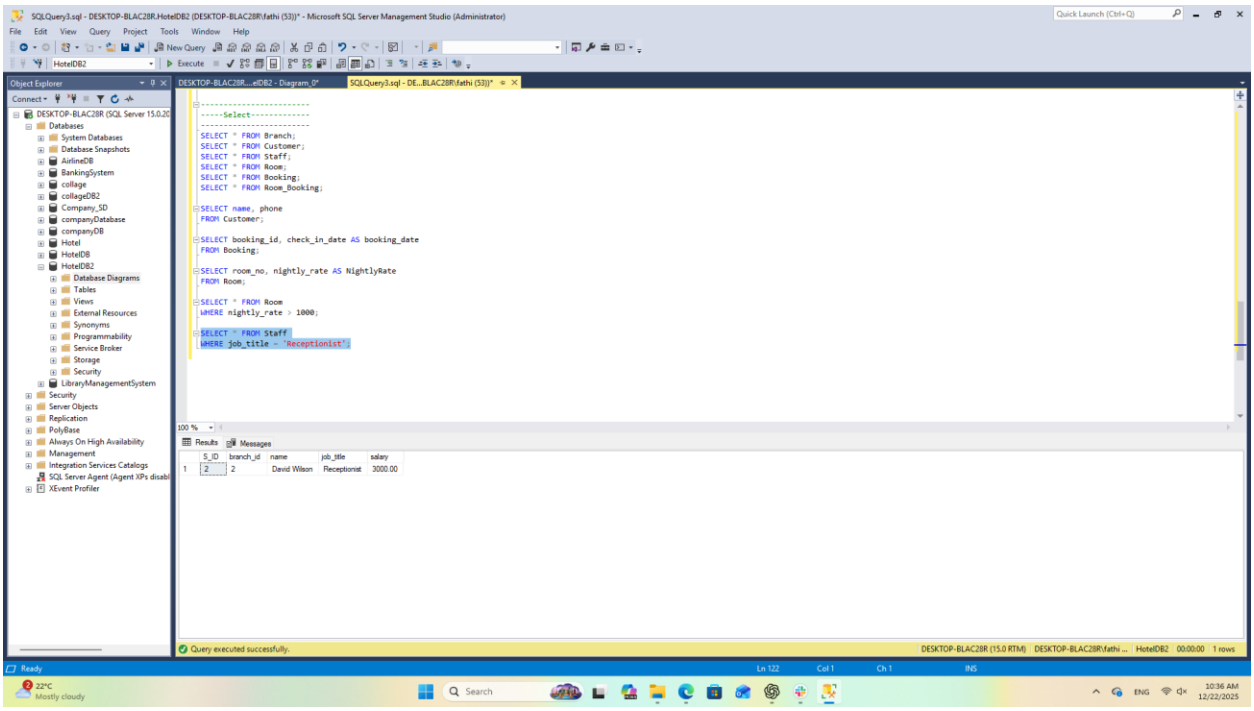

DESKTOP-BLAC28R.HotelDB2 - Diagram_0* - Microsoft SQL Server Management Studio (Administrator)
Staff
S_ID
branch_id
name
job_title
salary
Branch
branch_id
name
location
Booking
booking_id
S_ID
C_ID
check_in_date
check_out_date
Room
room_no
branch_id
type
nightly_rate
Customer
C_ID
name
phone
email
Room_Booking
booking_id
branch_id
room_no


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
(2, 2, '2025-12-26', '2025-12-27'),
(3, 3, '2025-12-27', '2025-12-30');
-- Insert data into Room_Booking
INSERT INTO Room_Booking (booking_id, branch_id, room_no) VALUES
(1, 1, 101),
(2, 1, 102),
(3, 2, 201);
-----Select----------
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
name phone
1 Alice Johnson 555-1234
2 Bob Smith 555-5678
3 Charlie Lee 555-9012
Query executed successfully.


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
-- Insert data into Booking
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date) VALUES
(1, 1, '2025-12-25', '2025-12-28'),
(2, 2, '2025-12-26', '2025-12-27'),
(3, 3, '2025-12-27', '2025-12-30');
-- Insert data into Room_Booking
INSERT INTO Room_Booking (booking_id, branch_id, room_no) VALUES
(1, 1, 101),
(2, 1, 102),
(3, 2, 201);
-----Select----------
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
booking_id booking_date
1 1 2025-12-25
2 2 2025-12-26
3 3 2025-12-27
Query executed successfully.

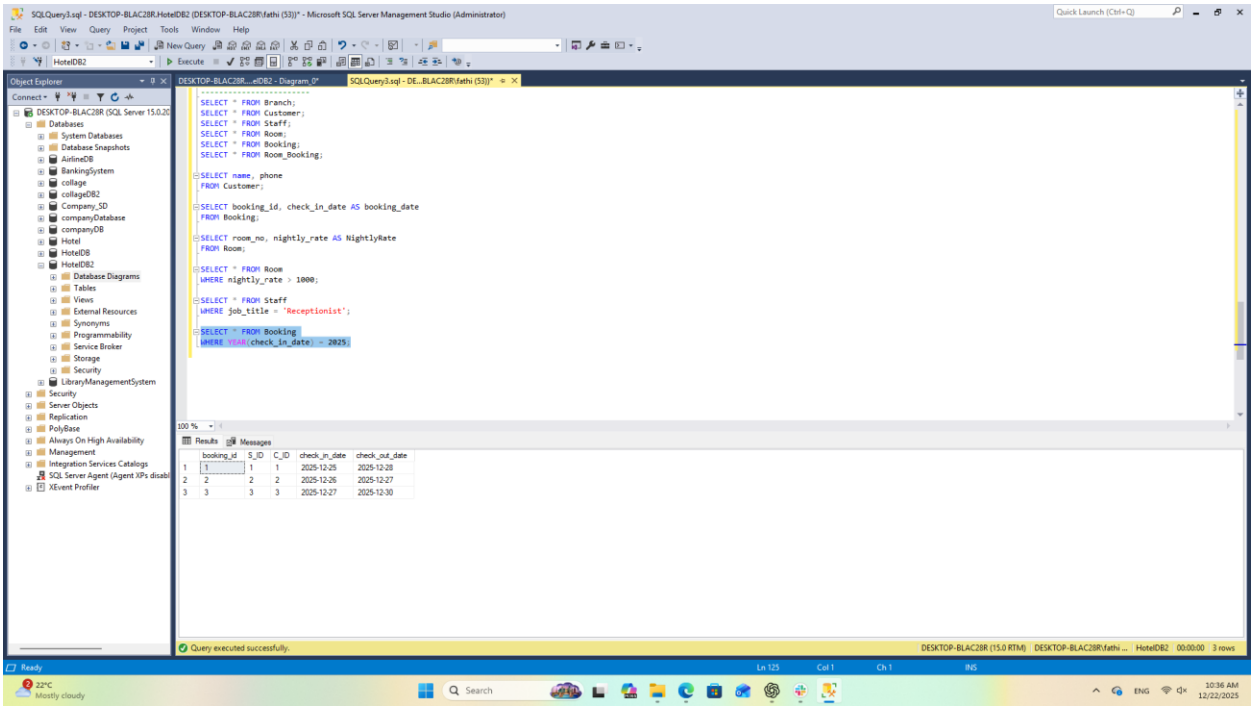

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
-- Insert data into Booking
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date) VALUES
(1, 1, '2025-12-25', '2025-12-28'),
(2, 2, '2025-12-26', '2025-12-27'),
(3, 3, '2025-12-27', '2025-12-30');
-- Insert data into Room_Booking
INSERT INTO Room_Booking (booking_id, branch_id, room_no) VALUES
(1, 1, 101),
(2, 1, 102),
(3, 2, 201);
-----Select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
SELECT room_no, nightly_rate AS NightlyRate
FROM Room
room_no NightlyRate
1 101 100.00
2 102 150.00
3 201 250.00
Query executed successfully.


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
-- Insert data into Room_Booking
INSERT INTO Room_Booking (booking_id, branch_id, room_no) VALUES
(1, 1, 101),
(2, 1, 102),
(3, 2, 201);
-----Select-----
SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
SELECT room_no, nightly_rate AS NightlyRate
FROM Room;
SELECT * FROM Room
WHERE nightly_rate > 1000
room_no branch_id type nightly_rate
Query executed successfully.


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
Object Explorer
DESKTOP-BLAC28R (SQL Server 15.0.20
Databases
System Databases
Database Snapshots
AirlineDB
BankingSystem
collage
collageDB2
Company_SD
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 disabl
XEvent Profiler
DESKTOP-BLAC28R....elDB2 - Diagram_0*
SQLQuery3.sql - DE...BLAC28R\fathi (53))*

-----Select-------------

SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
SELECT room_no, nightly_rate AS NightlyRate
FROM Room;
SELECT * FROM Room
WHERE nightly_rate > 1000;
SELECT * FROM Staff
WHERE job_title = 'Receptionist';
100 %
Results
Messages
S_ID branch_id name job_title salary
1 2 2 David Wilson Receptionist 3000.00
Query executed successfully.
DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fathi ... | HotelDB2 | 00:00:00 | 1 rows
Ready
Ln 122 Col 1 Ch 1 INS
22°C
Mostly cloudy
Search
ENG
10:36 AM
12/22/2025


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
Object Explorer
DESKTOP-BLAC28R (SQL Server 15.0.20
Databases
System Databases
Database Snapshots
AirlineDB
BankingSystem
collage
collageDB2
Company_SD
companyDatabase
companyDB
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Database Diagrams
Tables
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External Resources
Synonyms
Programmability
Service Broker
Storage
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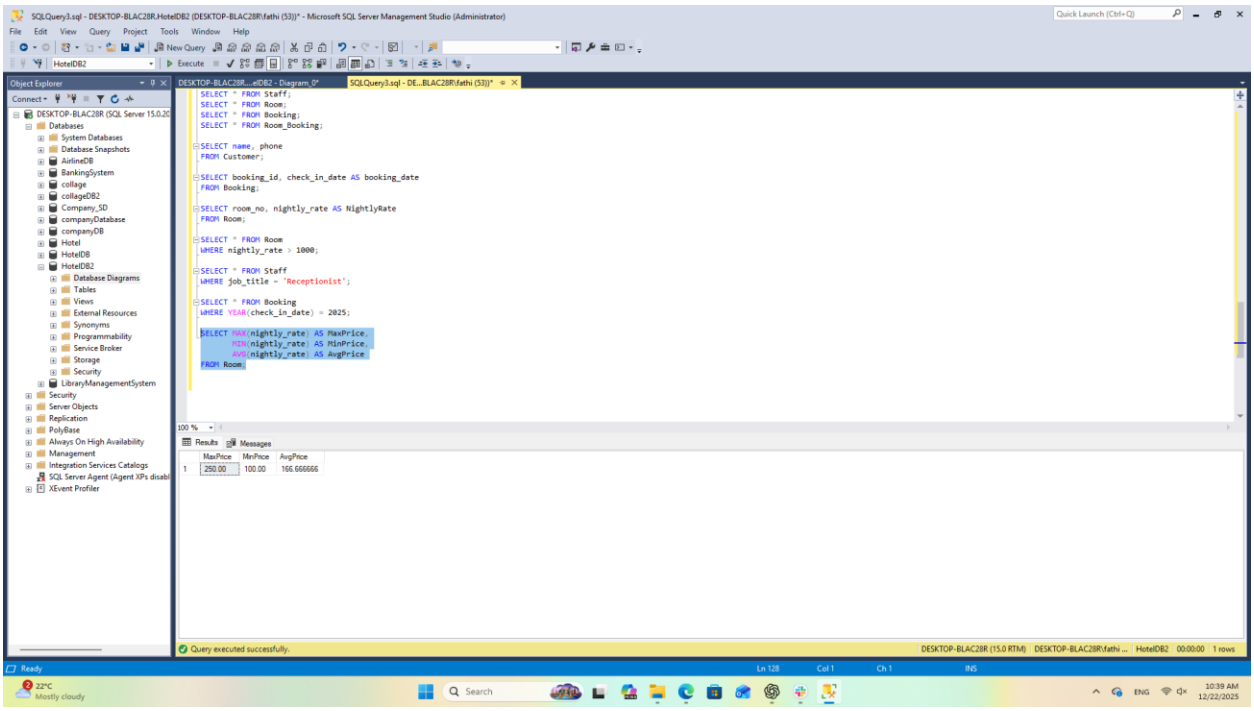
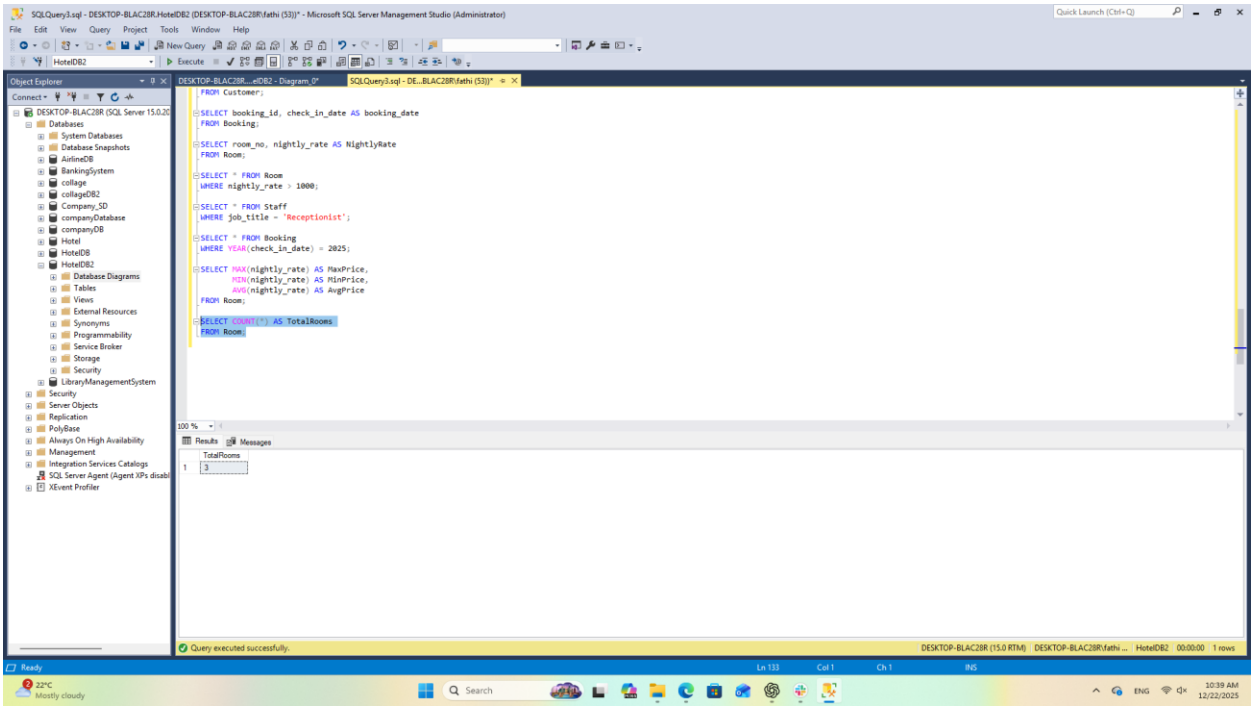
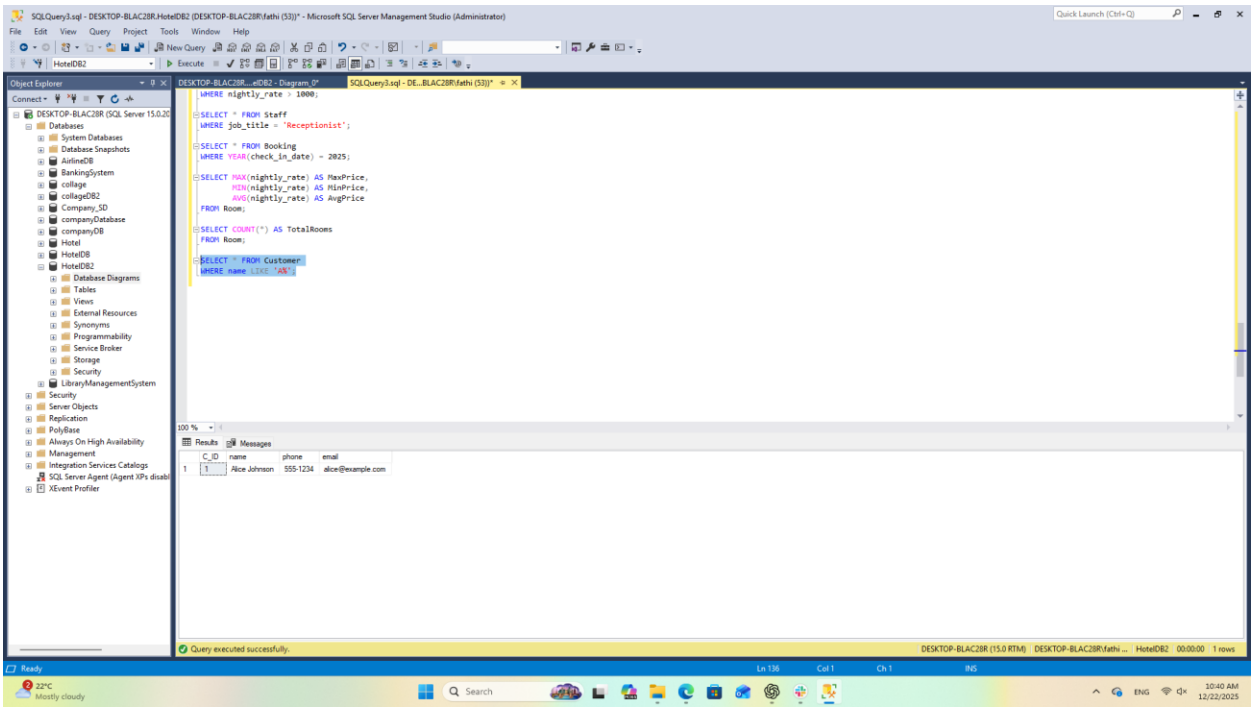
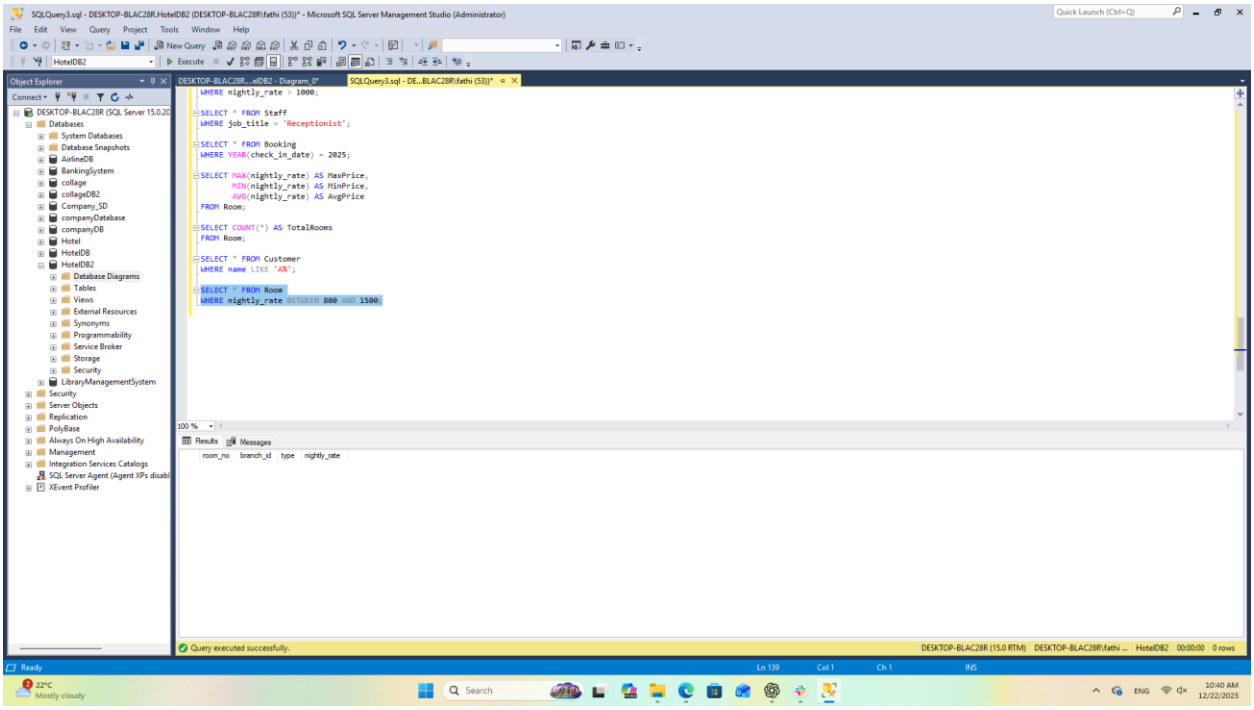
LibraryManagementSystem
Security
Server Objects
Replication
PolyBase
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabl
XEvent Profiler
DESKTOP-BLAC28R....elDB2 - Diagram_0*
SQLQuery3.sql - DE...BLAC28R\fathi (53))*

SELECT * FROM Branch;
SELECT * FROM Customer;
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
SELECT room_no, nightly_rate AS NightlyRate
FROM Room;
SELECT * FROM Room
WHERE nightly_rate > 1000;
SELECT * FROM Staff
WHERE job_title = 'Receptionist';
SELECT * FROM Booking
WHERE YEAR(check_in_date) = 2025;
100 %
Results
Messages
booking_id S_ID C_ID check_in_date check_out_date
1 1 1 1 2025-12-25 2025-12-28
2 2 2 2 2025-12-26 2025-12-27
3 3 3 3 2025-12-27 2025-12-30
Query executed successfully.
DESKTOP-BLAC28R (15.0 RTM) | DESKTOP-BLAC28R\fathi ... | HotelDB2 | 00:00:00 | 3 rows
Ready
Ln 125 Col 1 Ch 1 INS
22°C
Mostly cloudy
Search
ENG
10:36 AM
12/22/2025

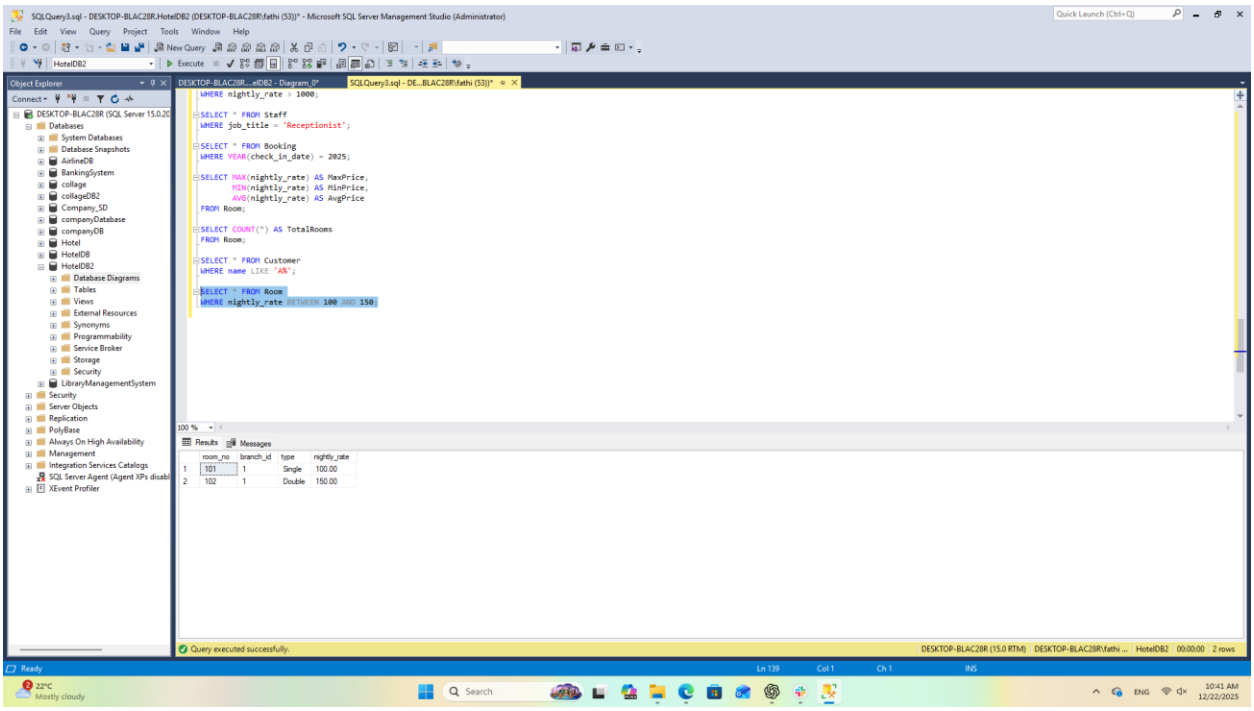

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
SELECT * FROM Staff;
SELECT * FROM Room;
SELECT * FROM Booking;
SELECT * FROM Room_Booking;
SELECT name, phone
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
SELECT room_no, nightly_rate AS NightlyRate
FROM Room;
SELECT * FROM Room
WHERE nightly_rate > 1000;
SELECT * FROM Staff
WHERE job_title = 'Receptionist';
SELECT * FROM Booking
WHERE YEAR(check_in_date) = 2025;
SELECT MAX(nightly_rate) AS MaxPrice,
MIN(nightly_rate) AS MinPrice,
AVG(nightly_rate) AS AvgPrice
FROM Room;
Results
Messages
MaxPrice
MinPrice
AvgPrice
1
250.00
100.00
166.666666
Query executed successfully.
Ready

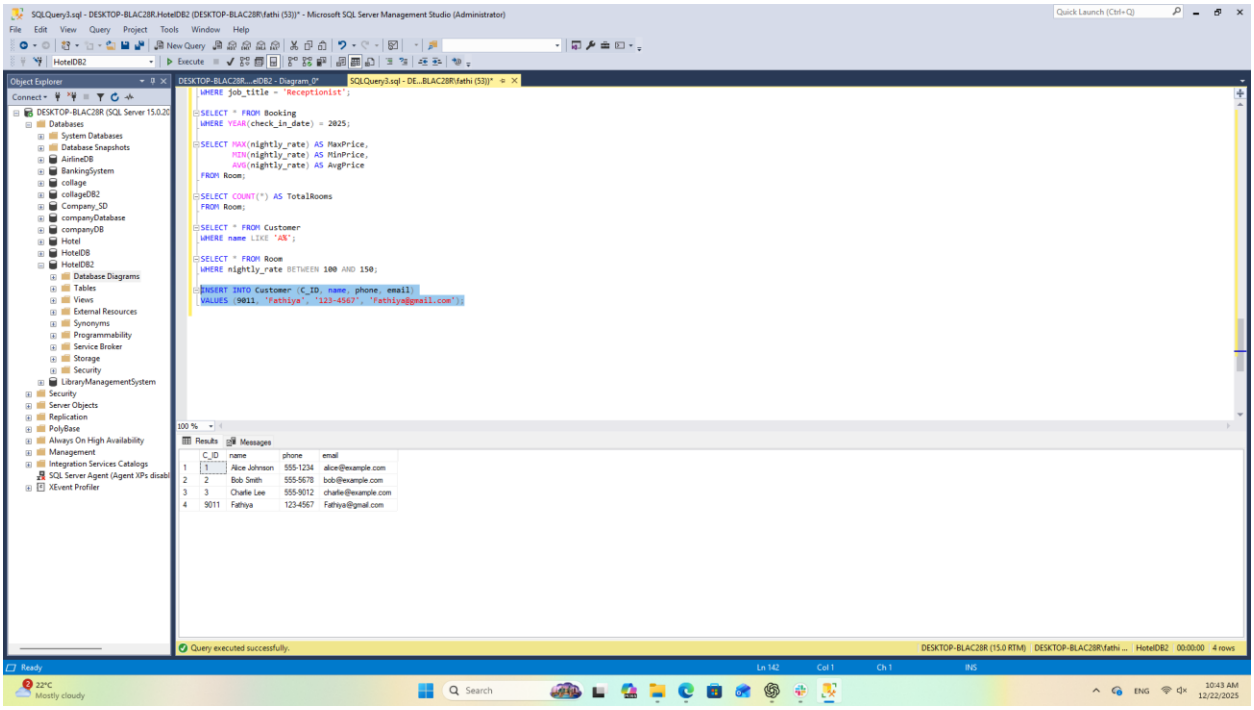

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
FROM Customer;
SELECT booking_id, check_in_date AS booking_date
FROM Booking;
SELECT room_no, nightly_rate AS NightlyRate
FROM Room;
SELECT * FROM Room
WHERE nightly_rate > 1000;
SELECT * FROM Staff
WHERE job_title = 'Receptionist';
SELECT * FROM Booking
WHERE YEAR(check_in_date) = 2025;
SELECT MAX(nightly_rate) AS MaxPrice,
MIN(nightly_rate) AS MinPrice,
AVG(nightly_rate) AS AvgPrice
FROM Room;
SELECT COUNT(*) AS TotalRooms
FROM Room;
Results
Messages
TotalRooms
1
3
Query executed successfully.
Ready

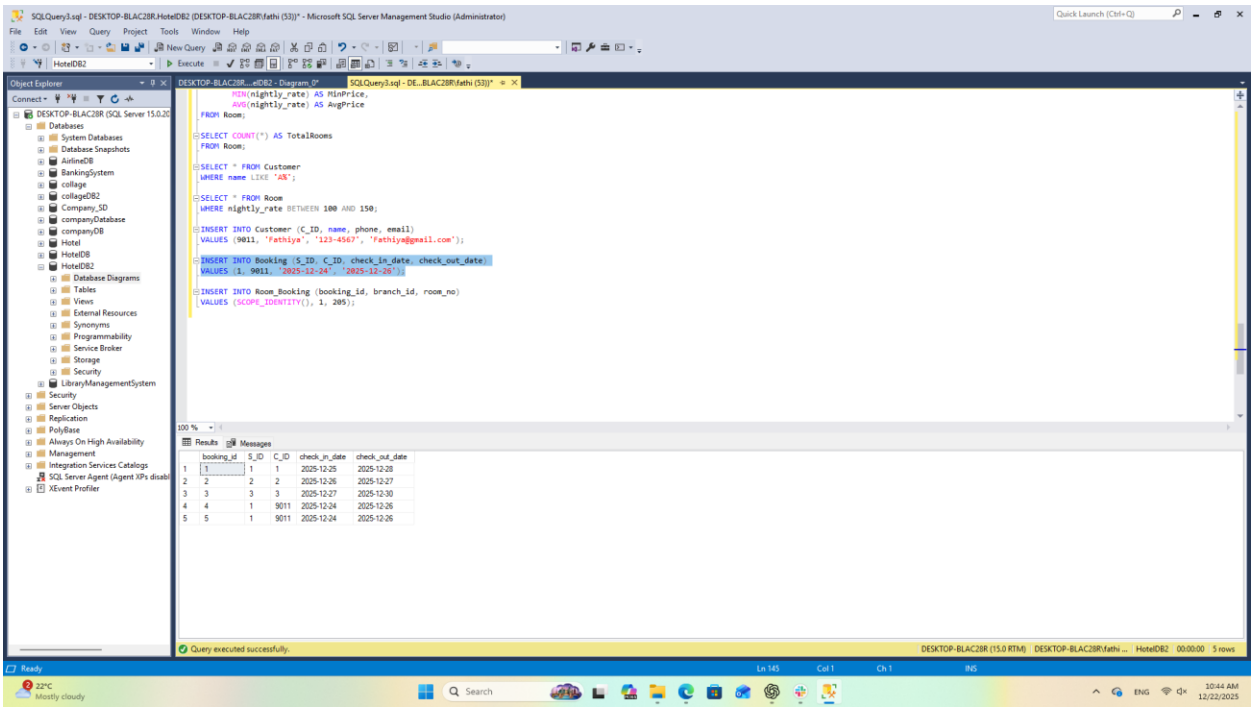


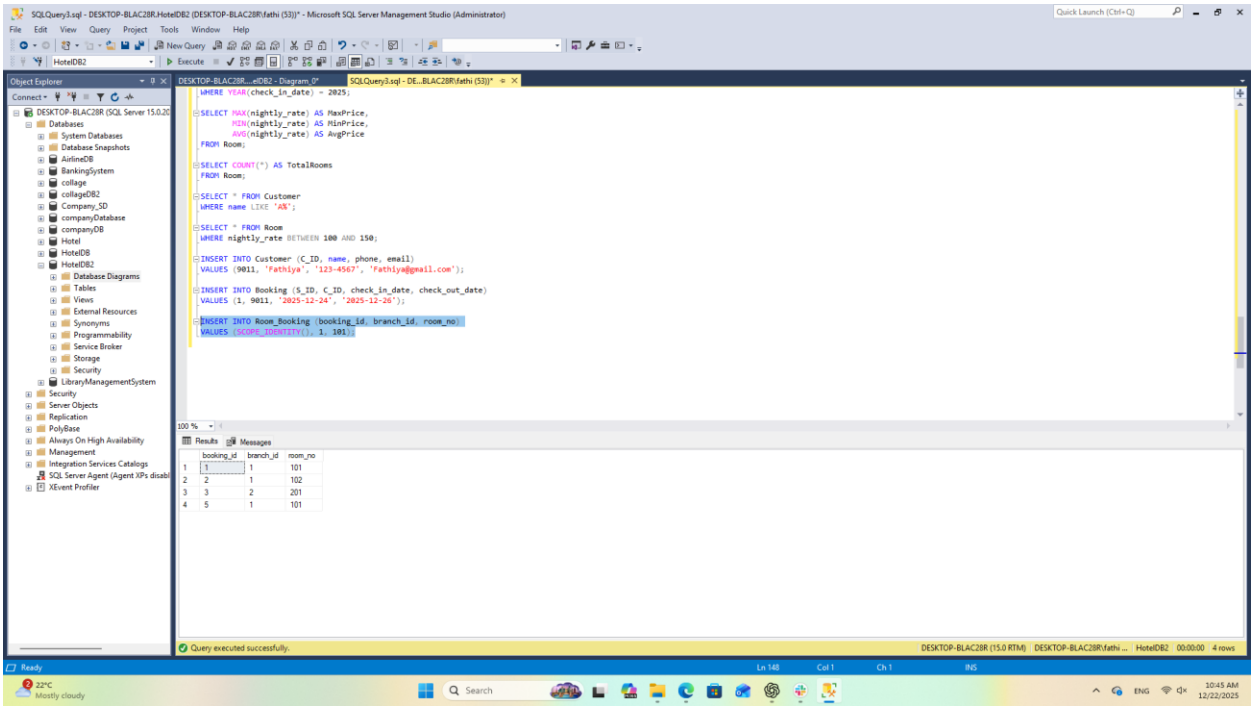


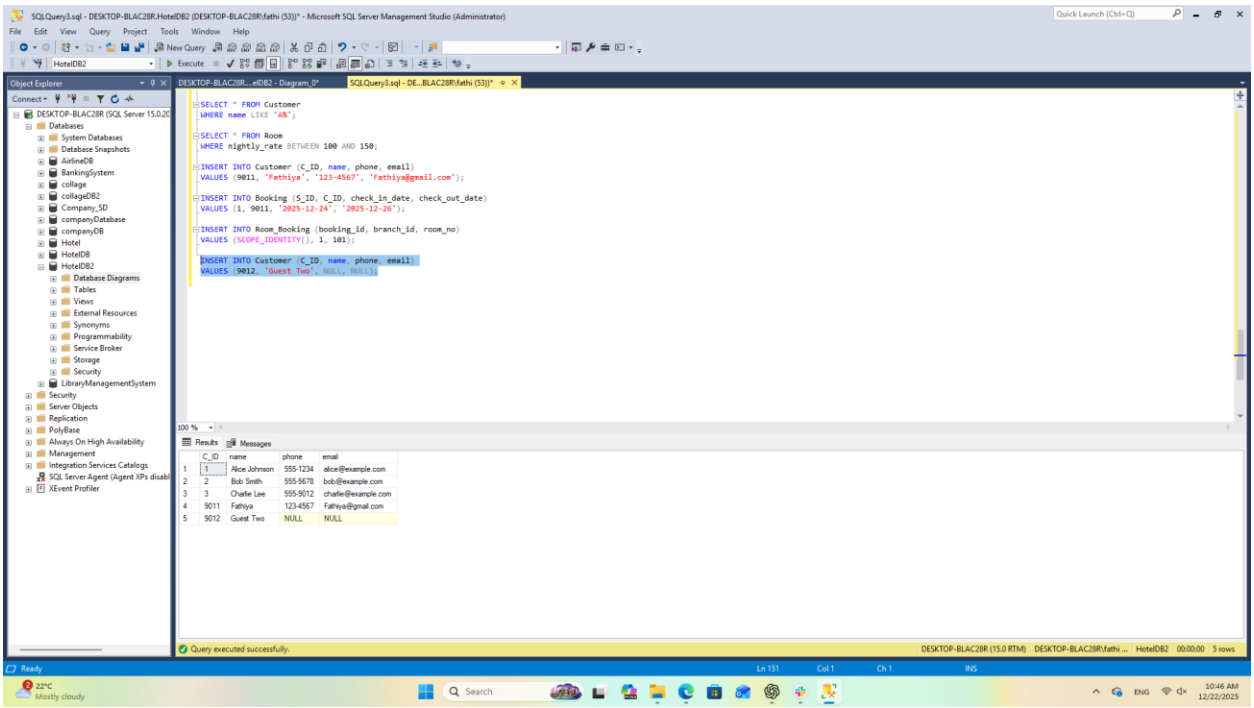
When I add my values:

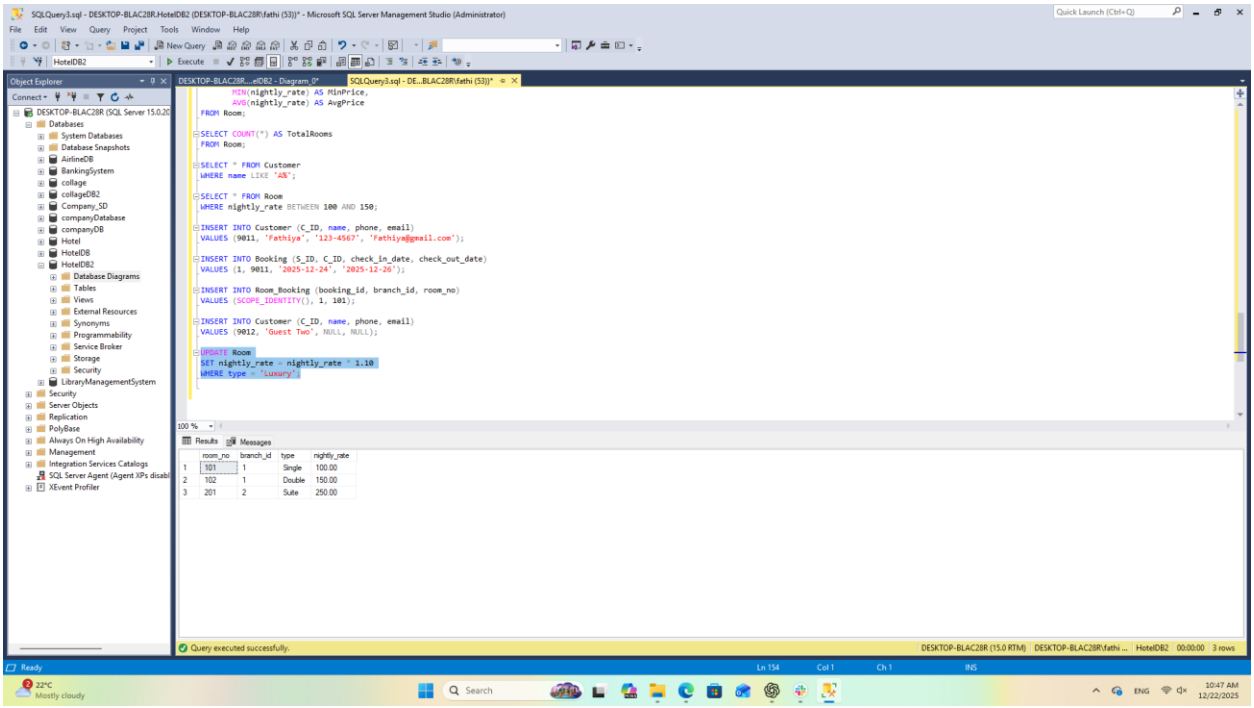

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
WHERE nightly_rate > 1000;
SELECT * FROM Staff
WHERE job_title = 'Receptionist';
SELECT * FROM Booking
WHERE YEAR(check_in_date) = 2025;
SELECT MAX(nightly_rate) AS MaxPrice,
MIN(nightly_rate) AS MinPrice,
AVG(nightly_rate) AS AvgPrice
FROM Room;
SELECT COUNT(*) AS TotalRooms
FROM Room;
SELECT * FROM Customer
WHERE name LIKE 'A%';
SELECT * FROM Room
WHERE nightly_rate BETWEEN 100 AND 150
room_no branch_id type nightly_rate
1 101 1 Single 100.00
2 102 1 Double 150.00
Query executed successfully.

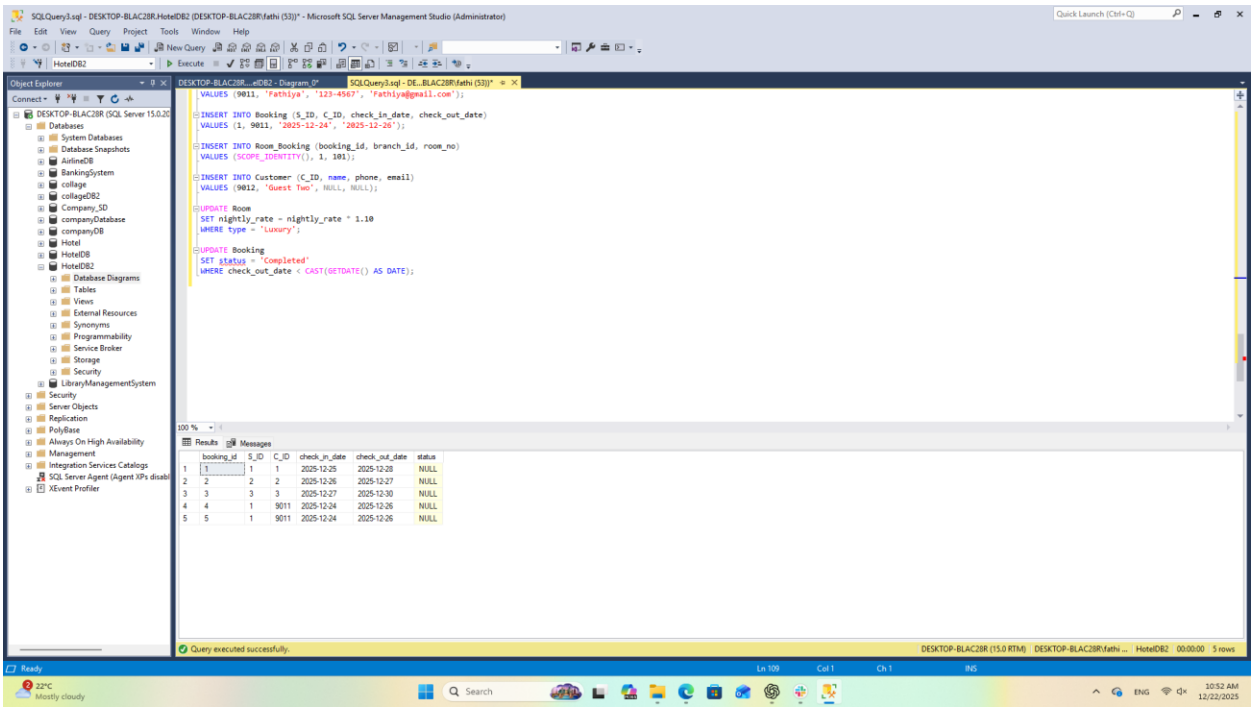

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
WHERE job_title = 'Receptionist';
SELECT * FROM Booking
WHERE YEAR(check_in_date) = 2025;
SELECT MAX(nightly_rate) AS MaxPrice,
MIN(nightly_rate) AS MinPrice,
AVG(nightly_rate) AS AvgPrice
FROM Room;
SELECT COUNT(*) AS TotalRooms
FROM Room;
SELECT * FROM Customer
WHERE name LIKE 'A%';
SELECT * FROM Room
WHERE nightly_rate BETWEEN 100 AND 150;
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9011, 'Fathiya', '123-4567', 'Fathiya@gmail.com');
C_ID name phone email
1 1 Alice Johnson 555-1234 alice@example.com
2 2 Bob Smith 555-5678 bob@example.com
3 3 Charlie Lee 555-9012 charlie@example.com
4 9011 Fathiya 123-4567 Fathiya@gmail.com
Query executed successfully.

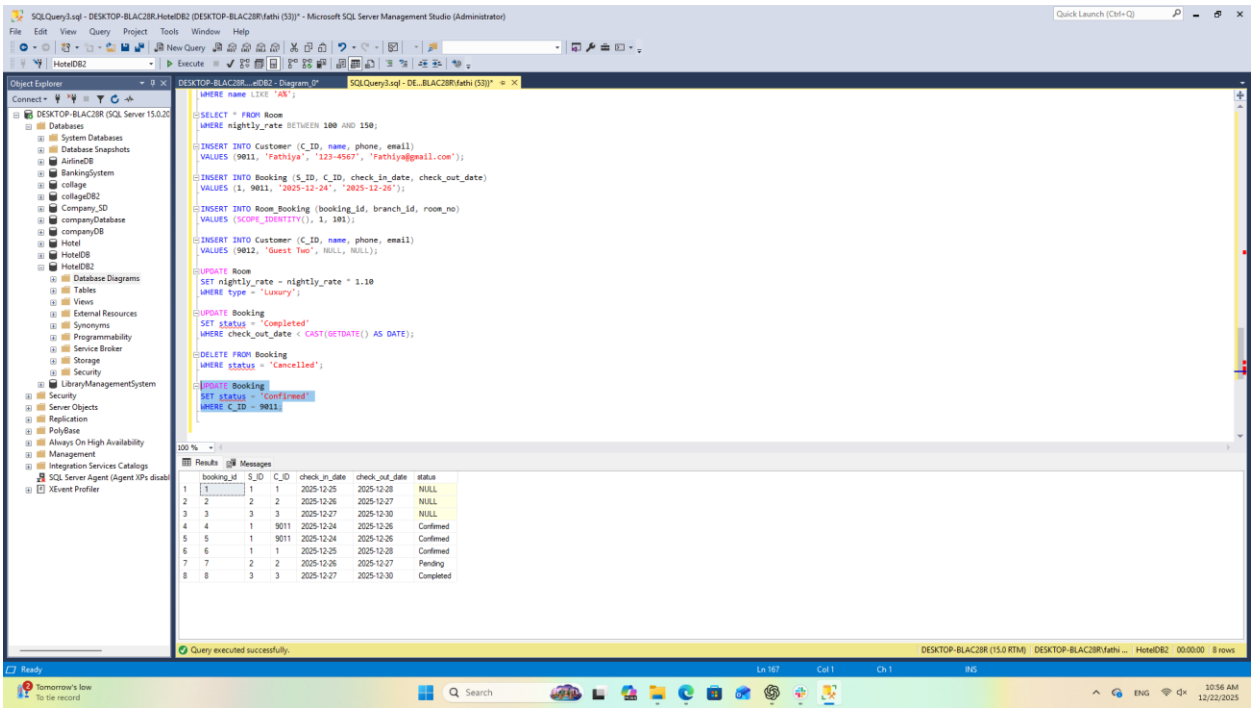

SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
SELECT MIN(nightly_rate) AS MinPrice, AVG(nightly_rate) AS AvgPrice FROM Room;
SELECT COUNT(*) AS TotalRooms FROM Room;
SELECT * FROM Customer WHERE name LIKE 'A%';
SELECT * FROM Room WHERE nightly_rate BETWEEN 100 AND 150;
INSERT INTO Customer (C_ID, name, phone, email) VALUES (9011, 'Fathiya', '123-4567', 'Fathiya@gmail.com');
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date) VALUES (1, 9011, '2025-12-24', '2025-12-26');
INSERT INTO Room_Booking (booking_id, branch_id, room_no) VALUES (SCOPE_IDENTITY(), 1, 205);
Results
Messages
booking_id S_ID C_ID check_in_date check_out_date
1 1 1 1 2025-12-25 2025-12-28
2 2 2 2 2025-12-26 2025-12-27
3 3 3 3 2025-12-27 2025-12-30
4 4 1 9011 2025-12-24 2025-12-26
5 5 1 9011 2025-12-24 2025-12-26
Query executed successfully.
Ready


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
WHERE YEAR(check_in_date) = 2025;
SELECT MAX(nightly_rate) AS MaxPrice, MIN(nightly_rate) AS MinPrice, AVG(nightly_rate) AS AvgPrice FROM Room;
SELECT COUNT(*) AS TotalRooms FROM Room;
SELECT * FROM Customer WHERE name LIKE 'A%';
SELECT * FROM Room WHERE nightly_rate BETWEEN 100 AND 150;
INSERT INTO Customer (C_ID, name, phone, email) VALUES (9011, 'Fathiya', '123-4567', 'fathiya@gmail.com');
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date) VALUES (1, 9011, '2025-12-24', '2025-12-26');
INSERT INTO Room_Booking (booking_id, branch_id, room_no) VALUES (SCOPE_IDENTITY(), 1, 101);
Results
Messages
booking_id branch_id room_no
1 1 1 101
2 2 1 102
3 3 2 201
4 5 1 101
Query executed successfully.
Ready


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
SELECT * FROM Customer
WHERE name LIKE 'A%';
SELECT * FROM Room
WHERE nightly_rate BETWEEN 100 AND 150;
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9011, 'Fathiya', '123-4567', 'Fathiya@gmail.com');
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date)
VALUES (1, 9011, '2025-12-24', '2025-12-26');
INSERT INTO Room_Booking (booking_id, branch_id, room_no)
VALUES (SCOPE_IDENTITY(), 1, 101);
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9012, 'Guest Two', NULL, NULL);
C_ID name phone email
1 Alice Johnson 555-1234 alice@example.com
2 Bob Smith 555-5678 bob@example.com
3 Charlie Lee 555-9012 charlie@example.com
9011 Fathiya 123-4567 Fathiya@gmail.com
9012 Guest Two NULL NULL
Query executed successfully.


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
MIN(nightly_rate) AS MinPrice,
AVG(nightly_rate) AS AvgPrice
FROM Room;
SELECT COUNT(*) AS TotalRooms
FROM Room;
SELECT * FROM Customer
WHERE name LIKE 'A%';
SELECT * FROM Room
WHERE nightly_rate BETWEEN 100 AND 150;
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9011, 'Fathiya', '123-4567', 'Fathiya@gmail.com');
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date)
VALUES (1, 9011, '2025-12-24', '2025-12-26');
INSERT INTO Room_Booking (booking_id, branch_id, room_no)
VALUES (SCOPE_IDENTITY(), 1, 101);
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9012, 'Guest Two', NULL, NULL);
UPDATE Room
SET nightly_rate = nightly_rate * 1.10
WHERE type = 'Luxury';
room_no branch_id type nightly_rate
101 1 Single 100.00
102 1 Double 150.00
201 2 Suite 250.00
Query executed successfully.


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
VALUES (9011, 'Fathiya', '123-4567', 'Fathiya@gmail.com');
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date)
VALUES (1, 9011, '2025-12-24', '2025-12-26');
INSERT INTO Room_Booking (booking_id, branch_id, room_no)
VALUES (SCOPE_IDENTITY(), 1, 101);
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9012, 'Guest Two', NULL, NULL);
UPDATE Room
SET nightly_rate = nightly_rate * 1.10
WHERE type = 'Luxury';
UPDATE Booking
SET status = 'Completed'
WHERE check_out_date < CAST(GETDATE() AS DATE);
Results
Messages
booking_id S_ID C_ID check_in_date check_out_date status
1 1 1 1 2025-12-25 2025-12-28 NULL
2 2 2 2 2025-12-26 2025-12-27 NULL
3 3 3 3 2025-12-27 2025-12-30 NULL
4 4 1 9011 2025-12-24 2025-12-26 NULL
5 5 1 9011 2025-12-24 2025-12-26 NULL
Query executed successfully.
Ready


SQLQuery3.sql - DESKTOP-BLAC28R.HotelDB2 (DESKTOP-BLAC28R\fathi (53))* - Microsoft SQL Server Management Studio (Administrator)
WHERE name LIKE 'A%';
SELECT * FROM Room
WHERE nightly_rate BETWEEN 100 AND 150;
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9011, 'Fathiya', '123-4567', 'Fathiya@gmail.com');
INSERT INTO Booking (S_ID, C_ID, check_in_date, check_out_date)
VALUES (1, 9011, '2025-12-24', '2025-12-26');
INSERT INTO Room_Booking (booking_id, branch_id, room_no)
VALUES (SCOPE_IDENTITY(), 1, 101);
INSERT INTO Customer (C_ID, name, phone, email)
VALUES (9012, 'Guest Two', NULL, NULL);
UPDATE Room
SET nightly_rate = nightly_rate * 1.10
WHERE type = 'Luxury';
UPDATE Booking
SET status = 'Completed'
WHERE check_out_date < CAST(GETDATE() AS DATE);
DELETE FROM Booking
WHERE status = 'Cancelled';
UPDATE Booking
SET status = 'Confirmed'
WHERE C_ID = 9011;
Results
Messages
booking_id S_ID C_ID check_in_date check_out_date status
1 1 1 1 2025-12-25 2025-12-28 NULL
2 2 2 2 2025-12-26 2025-12-27 NULL
3 3 3 3 2025-12-27 2025-12-30 NULL
4 4 1 9011 2025-12-24 2025-12-26 Confirmed
5 5 1 9011 2025-12-24 2025-12-26 Confirmed
6 6 1 1 2025-12-25 2025-12-28 Confirmed
7 7 2 2 2025-12-26 2025-12-27 Pending
8 8 3 3 2025-12-27 2025-12-30 Completed
Query executed successfully.
Ready