

```
mysql> use RentalDB;
Database changed
mysql> SELECT
->     B.BookingID,
->     R.Name AS RenterName,
->     P.Title AS PropertyTitle,
->     B.StartDate,
->     B.EndDate
-> FROM
->     Bookings B
-> INNER JOIN
->     Renters R ON B.RenterID = R.RenterID
-> INNER JOIN
->     Properties P ON B.PropertyID = P.PropertyID;
```

BookingID	RenterName	PropertyTitle	StartDate	EndDate
1	John Doe	2BHK MG Road	2025-07-01	2025-12-31
2	Priya Mehta	1BHK HiTech City	2025-07-10	NULL
3	Karan Gill	Studio Apartment	2025-08-01	2026-01-31
4	Sita Devi	3BHK Marine Drive	2025-08-05	2026-02-28
5	Aditya Joshi	1RK Delhi	2025-07-20	2026-03-31
6	Snehal Wagh	Flat in Pune	2025-07-15	2025-10-15
7	Varun Gupta	Penthouse Ahmedabad	2025-09-01	NULL
8	Ankita Rao	2BHK Kolkata	2025-07-18	2025-11-30
9	Rohan Shah	1BHK Jaipur	2025-07-12	NULL
10	Divya Nair	Flat Lucknow	2025-07-22	2025-09-30

10 rows in set (0.03 sec)

```
mysql> SELECT
->     PM.PaymentMethod,
->     SUM(PM.AmountPaid) AS TotalCollected
-> FROM
->     Payments PM
-> GROUP BY
->     PM.PaymentMethod;
```

PaymentMethod	TotalCollected
UPI	37000.00
Cash	22000.00
Card	8000.00
NEFT	30000.00
NULL	21000.00
Cheque	45000.00

```
6 rows in set (0.00 sec)
```

```
mysql> SELECT
->     L.City,
->     ROUND(AVG(P.RentAmount), 2) AS AvgRent
-> FROM
->     Properties P
-> JOIN
->     Locations L ON P.LocationID = L.LocationID
-> GROUP BY
->     L.City;
```

City	AvgRent
Bengaluru	15000.00
Hyderabad	13000.00
Chennai	8000.00
Mumbai	30000.00
Delhi	9000.00
Pune	12000.00
Ahmedabad	45000.00
Kolkata	NULL
Jaipur	8500.00
Lucknow	10000.00

10 rows in set (0.01 sec)

```
mysql> SELECT
->      R.Name AS RenterName,
->      COUNT(B.BookingID) AS TotalBookings
-> FROM
->      Renters R
-> LEFT JOIN
->      Bookings B ON R.RenterID = B.RenterID
-> GROUP BY
->      R.Name;
```

RenterName	TotalBookings
John Doe	1
Priya Mehta	1
Karan Gill	1
Sita Devi	1
Aditya Joshi	1
Snehal Wagh	1
Varun Gupta	1
Ankita Rao	1
Rohan Shah	1
Divya Nair	1

```
10 rows in set (0.00 sec)
```

```
mysql> SELECT
->     L.City,
->     SUM(P.RentAmount) AS TotalRent
-> FROM
->     Properties P
-> JOIN
->     Locations L ON P.LocationID = L.LocationID
-> GROUP BY
->     L.City;
```

City	TotalRent
Bengaluru	15000.00
Hyderabad	13000.00
Chennai	8000.00
Mumbai	30000.00
Delhi	9000.00
Pune	12000.00
Ahmedabad	45000.00
Kolkata	NULL
Jaipur	8500.00
Lucknow	10000.00

```
10 rows in set (0.00 sec)
```

```
mysql> SELECT
->     R.Name AS RenterName,
->     PM.PaymentDate,
->     PM.AmountPaid,
->     PM.PaymentMethod
-> FROM
->     Renters R
-> JOIN
->     Bookings B ON R.RenterID = B.RenterID
-> JOIN
->     Payments PM ON B.BookingID = PM.BookingID;
```

RenterName	PaymentDate	AmountPaid	PaymentMethod
John Doe	2025-06-22	15000.00	UPI
Priya Mehta	2025-06-23	12000.00	Cash
Karan Gill	2025-06-24	8000.00	Card
Sita Devi	2025-06-25	30000.00	NEFT
Aditya Joshi	2025-06-26	9000.00	NULL
Snehal Wagh	2025-06-27	12000.00	UPI
Varun Gupta	2025-06-28	45000.00	Cheque
Ankita Rao	2025-06-29	10000.00	UPI
Rohan Shah	2025-06-30	12000.00	NULL
Divya Nair	2025-07-01	10000.00	Cash

10 rows in set (0.00 sec)

```
mysql> SELECT
->      O.Name AS OwnerName,
->      P.Title AS PropertyTitle,
->      L.City
-> FROM
->      Owners O
-> JOIN
->      Properties P ON O.OwnerID = P.OwnerID
-> JOIN
->      Locations L ON P.LocationID = L.LocationID;
```

OwnerName	PropertyTitle	City
Ravi Kumar	2BHK MG Road	Bengaluru
Anita Sharma	1BHK HiTech City	Hyderabad
Sunil Mehta	Studio Apartment	Chennai
Geeta Nair	3BHK Marine Drive	Mumbai
Manoj Singh	1RK Delhi	Delhi
Neha Patel	Flat in Pune	Pune
Ramesh Iyer	Penthouse Ahmedabad	Ahmedabad
Alok Yadav	2BHK Kolkata	Kolkata
Sneha Rao	1BHK Jaipur	Jaipur
Rajiv Kapoor	Flat Lucknow	Lucknow

10 rows in set (0.01 sec)

```

mysql> SELECT
-->   P.PropertyID,
-->   P.Title AS PropertyTitle,
-->   B.BookingID,
-->   B.StartDate
--> FROM
-->   Properties P
--> LEFT JOIN
-->   Bookings B ON P.PropertyID = B.PropertyID
--> UNION
--> SELECT
-->   P.PropertyID,
-->   P.Title AS PropertyTitle,
-->   B.BookingID,
-->   B.StartDate
--> FROM
-->   Properties P
--> RIGHT JOIN
-->   Bookings B ON P.PropertyID = B.PropertyID;

```

PropertyID	PropertyTitle	BookingID	StartDate
1	2BHK MG Road	1	2025-07-01
2	1BHK HiTech City	2	2025-07-10
3	Studio Apartment	3	2025-08-01
4	3BHK Marine Drive	4	2025-08-05
5	1RK Delhi	5	2025-07-20
6	Flat in Pune	6	2025-07-15
7	Penthouse Ahmedabad	7	2025-09-01
8	2BHK Kolkata	8	2025-07-18
9	1BHK Jaipur	9	2025-07-12
10	Flat Lucknow	10	2025-07-22

10 rows in set (0.01 sec)


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BookingID	PropertyTitle	StartDate
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6	Flat in Pune	2025-07-15
7	Penthouse Ahmedabad	2025-09-01
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9	1BHK Jaipur	2025-07-12
10	Flat Lucknow	2025-07-22

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4	3BHK Marine Drive	4	2025-08-05
5	1RK Delhi	5	2025-07-20
6	Flat in Pune	6	2025-07-15
7	Penthouse Ahmedabad	7	2025-09-01
8	2BHK Kolkata	8	2025-07-18
9	1BHK Jaipur	9	2025-07-12
10	Flat Lucknow	10	2025-07-22

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