```
mysql> SELECT R.Name
    -> FROM Renters R
    -> WHERE EXISTS (
    ->      SELECT 1
    ->      FROM Bookings B
    ->      JOIN Properties P ON B.PropertyID = P.PropertyID
    ->      JOIN Locations L ON P.LocationID = L.LocationID
    ->      WHERE B.RenterID = R.RenterID
    ->        AND L.City IN (
    ->              SELECT L2.City
    ->              FROM Properties P2
    ->              JOIN Locations L2 ON P2.LocationID = L2.LocationID
    ->              JOIN Bookings B2 ON P2.PropertyID = B2.PropertyID
    ->              WHERE B2.RenterID = R.RenterID
    ->        )
    -> );
+--------------+
| Name         |
+--------------+
| John Doe     |
| Priya Mehta  |
| Karan Gill   |
| Sita Devi    |
| Aditya Joshi |
| Snehal Wagh  |
| Varun Gupta  |
| Ankita Rao   |
| Rohan Shah   |
| Divya Nair   |
+--------------+
10 rows in set (0.01 sec)
```

```
mysql> SELECT
    ->    PaymentID,
    ->    AmountPaid,
    ->    ROUND((AmountPaid / (SELECT MAX(AmountPaid) FROM Payments WHERE AmountPaid IS NOT NULL)) * 100, 2) AS PercentOfMax
    -> FROM Payments
    -> WHERE AmountPaid IS NOT NULL;
+-----------+------------+--------------+
| PaymentID | AmountPaid | PercentOfMax |
+-----------+------------+--------------+
|         1 |   15000.00 |        33.33 |
|         2 |   12000.00 |        26.67 |
|         3 |    8000.00 |        17.78 |
|         4 |   30000.00 |        66.67 |
|         5 |    9000.00 |        20.00 |
|         6 |   12000.00 |        26.67 |
|         7 |   45000.00 |       100.00 |
|         8 |   10000.00 |        22.22 |
|         9 |   12000.00 |        26.67 |
|        10 |   10000.00 |        22.22 |
+-----------+------------+--------------+
10 rows in set (0.00 sec)
```

```
mysql> SELECT Title, RentAmount
    -> FROM Properties
    -> WHERE RentAmount = (
    ->     SELECT MAX(RentAmount) FROM Properties
    -> );
+---------------------+------------+
| Title               | RentAmount |
+---------------------+------------+
| Penthouse Ahmedabad |   45000.00 |
+---------------------+------------+
1 row in set (0.00 sec)
```

```
mysql> SELECT City, SUM(RentAmount) AS TotalRentCollected
    -> FROM (
    ->     SELECT L.City, P.RentAmount
    ->     FROM Properties P
    ->     JOIN Locations L ON P.LocationID = L.LocationID
    -> ) AS RentDetails
    -> GROUP BY City;
+-----------+--------------------+
| City      | TotalRentCollected |
+-----------+--------------------+
| 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 Name
    -> FROM Renters R
    -> WHERE EXISTS (
    ->     SELECT 1
    ->     FROM Bookings B
    ->     JOIN Properties P ON B.PropertyID = P.PropertyID
    ->     WHERE B.RenterID = R.RenterID
    ->       AND P.RentAmount > (SELECT AVG(RentAmount) FROM Properties WHERE RentAmount IS NOT NULL)
    -> );
+-------------+
| Name        |
+-------------+
| Sita Devi   |
| Varun Gupta |
+-------------+
2 rows in set (0.01 sec)
```

```
mysql> SELECT Name
    -> FROM Owners O
    -> WHERE EXISTS (
    ->      SELECT 1
    ->      FROM Properties P
    ->      JOIN Bookings B ON P.PropertyID = B.PropertyID
    ->      WHERE P.OwnerID = O.OwnerID
    -> );
+---------------+
| Name          |
+---------------+
| Ravi Kumar    |
| Anita Sharma  |
| Sunil Mehta   |
| Geeta Nair    |
| Manoj Singh   |
| Neha Patel    |
| Ramesh Iyer   |
| Alok Yadav    |
| Sneha Rao     |
| Rajiv Kapoor  |
+---------------+
10 rows in set (0.00 sec)
```

```
mysql> SELECT Title, RentAmount
    -> FROM Properties
    -> WHERE LocationID IN (
    ->        SELECT P.LocationID
    ->        FROM Properties P
    ->        JOIN Bookings B ON P.PropertyID = B.PropertyID
    -> );
```

Title	RentAmount
2BHK MG Road	15000.00
1BHK HiTech City	13000.00
Studio Apartment	8000.00
3BHK Marine Drive	30000.00
1RK Delhi	9000.00
Flat in Pune	12000.00
Penthouse Ahmedabad	45000.00
2BHK Kolkata	NULL
1BHK Jaipur	8500.00
Flat Lucknow	10000.00

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

```
mysql> use RentalDB;
Database changed
mysql> SELECT
    ->     PropertyID,
    ->     Title,
    ->     RentAmount,
    ->     (SELECT ROUND(AVG(RentAmount), 2) FROM Properties WHERE RentAmount IS NOT NULL) AS AvgRentAcrossProperties
    -> FROM Properties;
+------------+--------------------+------------+-------------------------+
| PropertyID | Title              | RentAmount | AvgRentAcrossProperties |
+------------+--------------------+------------+-------------------------+
|          1 | 2BHK MG Road       |   15000.00 |                16722.22 |
|          2 | 1BHK HiTech City   |   13000.00 |                16722.22 |
|          3 | Studio Apartment   |    8000.00 |                16722.22 |
|          4 | 3BHK Marine Drive  |   30000.00 |                16722.22 |
|          5 | 1RK Delhi          |    9000.00 |                16722.22 |
|          6 | Flat in Pune       |   12000.00 |                16722.22 |
|          7 | Penthouse Ahmedabad|   45000.00 |                16722.22 |
|          8 | 2BHK Kolkata       |       NULL |                16722.22 |
|          9 | 1BHK Jaipur        |    8500.00 |                16722.22 |
|         10 | Flat Lucknow       |   10000.00 |                16722.22 |
+------------+--------------------+------------+-------------------------+
10 rows in set (0.01 sec)
```

```
mysql> SELECT
    ->    Name,
    ->    (SELECT COUNT(*) FROM Bookings B WHERE B.RenterID = R.RenterID) AS TotalBookings
    -> FROM Renters R;
+---------------+----------------+
| Name          | 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 Title
    -> FROM Properties P
    -> WHERE NOT EXISTS (
    ->      SELECT 1
    ->      FROM Bookings B
    ->      WHERE B.PropertyID = P.PropertyID
    -> );
Empty set (0.00 sec)
```