

Kaitlyn Krause and Tara Kerstetter

1. SELECT address
FROM House;

```
MariaDB [Real_Estate]> select address from House;
+-----+
| address |
+-----+
| 123 Main St. |
| 394 Bronco St. |
| 4215 Ragans Ln. |
| 4567 Park Rd. |
| 6767 Ford Dr. |
+-----+
5 rows in set (0.001 sec)
```

2. SELECT H.address, L.mlsNumber
FROM House H
JOIN Listings L ON H.address = L.address;

```
MariaDB [real_estate]> SELECT H.address, L.mlsNumber
-> FROM House H
-> JOIN Listings L ON H.address = L.address;
+-----+-----+
| address | mlsNumber |
+-----+-----+
| 123 Main St. | 5 |
| 200 Oak St. | 6 |
| 333 Birch Ln. | 7 |
| 4567 Park Rd. | 1 |
| 6767 Ford Dr. | 3 |
+-----+-----+
5 rows in set (0.000 sec)
```

3. SELECT address
FROM House
WHERE bedrooms = 3 AND bathrooms = 2;

```
MariaDB [Real_Estate]> select address from House where bedrooms = 3 and bathrooms = 2;
+-----+
| address |
+-----+
| 123 Main St. |
| 394 Bronco St. |
+-----+
2 rows in set (0.001 sec)
```

4. SELECT address,
 (SELECT price FROM Property WHERE Property.address = House.address) AS
 price
 FROM House
 WHERE bedrooms = 3 AND bathrooms = 2
 AND address IN (SELECT address FROM Listings)
 AND (SELECT price FROM Property WHERE Property.address = House.address)
 BETWEEN 100000 AND 250000
 ORDER BY price DESC;

```
MariaDB [real_estate]> SELECT address,
->      (SELECT price FROM Proper
= House.address) AS price
-> FROM House
-> WHERE bedrooms = 3 AND bathrooms
-> AND address IN (SELECT address
-> AND (SELECT price FROM Propert
= House.address)
->      BETWEEN 100000 AND 25000
-> ORDER BY price DESC;
+-----+-----+
| address | price |
+-----+-----+
| 200 Oak St. | 200000 |
| 333 Birch Ln. | 120000 |
+-----+-----+
2 rows in set (0.001 sec)
```

5. SELECT bp.address, p.price
FROM BusinessProperty as bp
JOIN Property as p ON p.address = bp.address
WHERE bp.type = 'Office'
ORDER BY p.price DESC;

```
MariaDB [Real_Estate]> select bp.address, p.price from BusinessProperty as bp JOIN Property as p ON p.address = bp.address where bp.type='Office' order by p.price desc;
```

| address | price |
|----------------------|--------|
| 7550 Southland Blvd. | 135000 |
| 1800 Pembroke Dr. | 75429 |

2 rows in set (0.001 sec)

6. SELECT agentId, name, phone,
(SELECT name
FROM Firm
WHERE Firm.id = Agent.firmId) AS firmName, dateStarted
FROM Agent;

```
MariaDB [real_estate]> SELECT agentId, name, phone,  
-> (SELECT name  
-> FROM Firm  
-> WHERE Firm.id = Agent.firmId) AS firmName, dateStarted  
-> FROM Agent;
```

| agentId | name | phone | firmName | dateStarted |
|---------|---------------|--------------|--------------------------|-------------|
| 1 | William Afton | 850-999-4848 | Summit Property Advisors | 1987-10-28 |
| 2 | Janice Vans | 407-738-9583 | Anchor Point Real Estate | 2012-04-21 |
| 3 | Alex Davis | 321-932-0467 | Prime Edge Properties | 2003-12-09 |
| 4 | Sophia Stalls | 407-374-9922 | Horizon Realty Group | 1994-01-19 |
| 5 | Jeremy Stark | 850-434-0000 | Prime Edge Properties | 1999-03-17 |

5 rows in set (0.001 sec)

7. SELECT *
FROM Listings
WHERE agentId = 1;

```
MariaDB [Real_Estate]> select * from Listings where agentId = 1;
```

| mlsNumber | address | agentId | dateListed |
|-----------|---------------|---------|------------|
| 1 | 4567 Park Rd. | 1 | 2025-08-29 |

1 row in set (0.001 sec)

8. SELECT A.name AS agentName, B.name AS buyerName
FROM Works_With W
JOIN Agent A ON W.agentId = A.agentId
JOIN Buyer B ON W.buyerId = B.id
ORDER BY A.name;

```
MariaDB [real_estate]> SELECT A.name AS agentName, B.name AS buyerName
-> FROM Works_With W
-> JOIN Agent A ON W.agentId = A.agentId
-> JOIN Buyer B ON W.buyerId = B.id
-> ORDER BY A.name;
```

| agentName | buyerName |
|---------------|------------------|
| Alex Davis | Wade White |
| Jeremy Stark | Jonathan Krab |
| Sophia Stalls | Christina Conner |
| Sophia Stalls | Benjamin Barnes |
| William Afton | Melissa Jones |

5 rows in set (0.000 sec)

9. SELECT agentId, COUNT(buyerId)
FROM Works_With
GROUP BY agentId;

```
MariaDB [Real_Estate]> select agentId, count(buyerId) from Works_With group by agentId;
```

| agentId | count(buyerId) |
|---------|----------------|
| 1 | 1 |
| 3 | 1 |
| 4 | 2 |
| 5 | 1 |

4 rows in set (0.001 sec)

10. SELECT H.address, P.price
FROM Buyer B
JOIN House H ON H.bedrooms = B.bedrooms AND H.bathrooms = B.bathrooms
JOIN Property P ON H.address = P.address
WHERE B.id = 001
AND P.price BETWEEN B.minimumPreferredPrice AND B.maximumPreferredPrice
ORDER BY P.price DESC;

```
MariaDB [real_estate]> SELECT H.address, P.price
-> FROM Buyer B
-> JOIN House H ON H.bedrooms = B.bedrooms AND H.bathrooms = B.bathrooms
-> JOIN Property P ON H.address = P.address
-> WHERE B.id = 001
-> AND P.price BETWEEN B.minimumPreferredPrice AND B.maximumPreferredPrice
-> ORDER BY P.price DESC;
```

| address | price |
|---------------|--------|
| 200 Oak St. | 200000 |
| 333 Birch Ln. | 120000 |

```
2 rows in set (0.001 sec)
```