

**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)
```