

SQL Query Results

File: 1.Total Revenue by Property Type.sql

```
SELECT Property_Type, SUM(Transaction_Amount) AS Total_Revenue
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE Transaction_Type = 'Sale'
GROUP BY Property_Type;
```

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| Property_Type | Total_Revenue |
|---------------|---------------|
| Residential | 1140000.00 |
| Commercial | 1830000.00 |

File: 10.Properties Leased in the Last 6 Months.sql

```
SELECT Address, Listed_Date
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE t.Transaction_Type = 'Lease'
    AND t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 6 MONTH);
```

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| Address | Listed_Date |
|-----------------|--|
| 101 Elm St | Fri Apr 05 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 606 Redwood St | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1212 Cedar Ave | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1818 Pine Blvd | Sat Aug 10 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 404 Fir St | Thu Jul 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1010 Elm Ave | Fri Dec 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1616 Maple Blvd | Sun Oct 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 456 Oak St | Tue Feb 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 505 Spruce St | Fri Aug 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1111 Birch Ave | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

File: 11.Total Revenue per Property in the Last 12 Months.sql

```
SELECT p.Address, SUM(t.Transaction_Amount) AS Total_Revenue
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 12 MONTH)
GROUP BY p.Address;
```

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| Address | Total_Revenue |
|------------------|---------------|
| 123 Maple St | 250000.00 |
| 101 Elm St | 500000.00 |
| 303 Cedar St | 350000.00 |
| 606 Redwood St | 400000.00 |
| 909 Pine Ave | 275000.00 |
| 1212 Cedar Ave | 325000.00 |
| 1515 Redwood Ave | 300000.00 |
| 1818 Pine Blvd | 550000.00 |
| 789 Pine St | 295000.00 |
| 404 Fir St | 500000.00 |
| 707 Maple Ave | 310000.00 |
| 1010 Elm Ave | 400000.00 |
| 1313 Fir Ave | 325000.00 |
| 1616 Maple Blvd | 450000.00 |
| 1919 Elm Blvd | 270000.00 |
| 456 Oak St | 575000.00 |
| 202 Birch St | 305000.00 |
| 505 Spruce St | 620000.00 |
| 808 Oak Ave | 290000.00 |
| 1111 Birch Ave | 480000.00 |

File: 12.Agents With Transactions Above a Certain Threshold.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name, SUM(t.Transaction_Amount) AS Total_Sales
FROM Agent a
    JOIN Transaction t ON a.Agent_ID = t.Agent_ID
GROUP BY a.Agent_ID
HAVING Total_Sales > 500000;
```

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| Agent_ID | First_Name | Last_Name | Total_Sales |
|--------------------------------------|------------|-----------|-------------|
| 23a77305-8642-11ef-a6ac-0242ac130003 | William | Clark | 550000.00 |
| 23aa3c5c-8642-11ef-a6ac-0242ac130003 | Ethan | Parker | 575000.00 |
| 23ab1f63-8642-11ef-a6ac-0242ac130003 | Mason | Hughes | 620000.00 |

File: 13.Property Prices by Transaction Type.sql

```
SELECT p.Address, t.Transaction_Type, AVG(p.Price) AS Average_Price
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
GROUP BY p.Address, t.Transaction_Type;
```

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| Address | Transaction_Type | Average_Price |
|------------------|------------------|---------------|
| 123 Maple St | Sale | 250000.000000 |
| 101 Elm St | Lease | 400000.000000 |
| 303 Cedar St | Sale | 325000.000000 |
| 606 Redwood St | Lease | 300000.000000 |
| 909 Pine Ave | Sale | 500000.000000 |
| 1212 Cedar Ave | Lease | 325000.000000 |
| 1515 Redwood Ave | Sale | 575000.000000 |
| 1818 Pine Blvd | Lease | 290000.000000 |
| 789 Pine St | Sale | 350000.000000 |
| 404 Fir St | Lease | 285000.000000 |
| 707 Maple Ave | Sale | 600000.000000 |
| 1010 Elm Ave | Lease | 310000.000000 |
| 1313 Fir Ave | Sale | 450000.000000 |
| 1616 Maple Blvd | Lease | 305000.000000 |
| 1919 Elm Blvd | Sale | 480000.000000 |
| 456 Oak St | Lease | 500000.000000 |
| 202 Birch St | Sale | 275000.000000 |
| 505 Spruce St | Lease | 550000.000000 |
| 808 Oak Ave | Sale | 295000.000000 |
| 1111 Birch Ave | Lease | 400000.000000 |

File: 14.Properties Sold by Agents in the Last Year.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name, COUNT(*) AS Number_of_Sales
FROM Agent a
    JOIN Transaction t ON a.Agent_ID = t.Agent_ID
    JOIN Property p ON t.Property_ID = p.Property_ID
WHERE t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 1 YEAR)
    AND t.Transaction_Type = 'Sale'
GROUP BY a.Agent_ID;
```

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| Agent_ID | First_Name | Last_Name | Number_of_Sales |
|--------------------------------------|------------|-----------|-----------------|
| 23a50f33-8642-11ef-a6ac-0242ac130003 | Sarah | Wilson | 1 |
| 23a5ba20-8642-11ef-a6ac-0242ac130003 | Laura | Taylor | 1 |
| 23a661a9-8642-11ef-a6ac-0242ac130003 | Olivia | Thomas | 1 |
| 23a70a37-8642-11ef-a6ac-0242ac130003 | Emma | Harris | 1 |
| 23a7c1c9-8642-11ef-a6ac-0242ac130003 | Sophia | Lewis | 1 |
| 23a874bf-8642-11ef-a6ac-0242ac130003 | Mia | Young | 1 |
| 23a90b1d-8642-11ef-a6ac-0242ac130003 | Isabella | Scott | 1 |
| 23a9b8cc-8642-11ef-a6ac-0242ac130003 | Ava | Mitchell | 1 |
| 23aac9b-8642-11ef-a6ac-0242ac130003 | Harper | Bell | 1 |
| 23ab6fad-8642-11ef-a6ac-0242ac130003 | Charlotte | Bryant | 1 |

File: 15.Clients With No Transactions in the Last Year.sql

```
SELECT c.Client_ID, c.First_Name, c.Last_Name
FROM Client c
    LEFT JOIN Transaction t ON c.Client_ID = t.Client_ID
        AND t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 1 YEAR)
WHERE t.Transaction_ID IS NULL;
```

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No results found.

File: 16.Properties By Client and Agent .sql

```
SELECT c.First_Name AS Client_First_Name, c.Last_Name AS Client_Last_Name, a.First_Name AS Agent_First_Name, a.Last_Name AS Agent_
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
    JOIN Client c ON t.Client_ID = c.Client_ID
    JOIN Agent a ON t.Agent_ID = a.Agent_ID;
```

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| Client_First_Name | Client_Last_Name | Agent_First_Name | Agent_Last_Name | Address |
|-------------------|------------------|------------------|-----------------|------------------|
| John | Doe | Sarah | Wilson | 123 Maple St |
| Jane | Smith | David | Martinez | 101 Elm St |
| Robert | Johnson | Laura | Taylor | 303 Cedar St |
| Emily | Davis | James | Anderson | 606 Redwood St |
| Michael | Brown | Olivia | Thomas | 909 Pine Ave |
| Sophia | Miller | John | Roberts | 1212 Cedar Ave |
| William | Wilson | Emma | Harris | 1515 Redwood Ave |
| Olivia | Moore | William | Clark | 1818 Pine Blvd |
| James | Taylor | Sophia | Lewis | 789 Pine St |
| Ava | Anderson | Aiden | Walker | 404 Fir St |
| Liam | Thomas | Mia | Young | 707 Maple Ave |
| Mia | Jackson | Noah | King | 1010 Elm Ave |
| Ethan | White | Isabella | Scott | 1313 Fir Ave |
| Isabella | Harris | Lucas | Adams | 1616 Maple Blvd |
| Benjamin | Clark | Ava | Mitchell | 1919 Elm Blvd |
| Charlotte | Lewis | Ethan | Parker | 456 Oak St |
| Lucas | Young | Harper | Bell | 202 Birch St |
| Amelia | Walker | Mason | Hughes | 505 Spruce St |
| Henry | Hall | Charlotte | Bryant | 808 Oak Ave |
| Harper | Allen | Liam | Harris | 1111 Birch Ave |

File: 17.Total Transactions by Property Type and Status.sql

```
SELECT p.Property_Type, p.Status, COUNT(*) AS Number_of_Transactions
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
GROUP BY p.Property_Type, p.Status;
```

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| Property_Type | Status | Number_of_Transactions |
|---------------|-----------|------------------------|
| Residential | Available | 4 |
| Commercial | Available | 4 |
| Residential | Leased | 4 |
| Commercial | Leased | 3 |
| Commercial | Sold | 3 |
| Residential | Sold | 2 |

File: 18.Top 3 Highest Earning Properties.sql

```
SELECT p.Address, SUM(t.Transaction_Amount) AS Total_Earnings
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
GROUP BY p.Address
ORDER BY Total_Earnings DESC
LIMIT 3;
```

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| Address | Total_Earnings |
|----------------|----------------|
| 505 Spruce St | 620000.00 |
| 456 Oak St | 575000.00 |
| 1818 Pine Blvd | 550000.00 |

File: 19.Agents and Their Latest Transaction Date.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name, MAX(t.Transaction_Date) AS Latest_Transaction
FROM Agent a
    JOIN Transaction t ON a.Agent_ID = t.Agent_ID
GROUP BY a.Agent_ID;
```

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| Agent_ID | First_Name | Last_Name | Latest_Transaction |
|--------------------------------------|------------|-----------|--|
| 23a50f33-8642-11ef-a6ac-0242ac130003 | Sarah | Wilson | Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a56900-8642-11ef-a6ac-0242ac130003 | David | Martinez | Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a5ba20-8642-11ef-a6ac-0242ac130003 | Laura | Taylor | Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a60a6f-8642-11ef-a6ac-0242ac130003 | James | Anderson | Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a661a9-8642-11ef-a6ac-0242ac130003 | Olivia | Thomas | Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a6ae10-8642-11ef-a6ac-0242ac130003 | John | Roberts | Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a70a37-8642-11ef-a6ac-0242ac130003 | Emma | Harris | Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a77305-8642-11ef-a6ac-0242ac130003 | William | Clark | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a7c1c9-8642-11ef-a6ac-0242ac130003 | Sophia | Lewis | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a81f46-8642-11ef-a6ac-0242ac130003 | Aiden | Walker | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a874bf-8642-11ef-a6ac-0242ac130003 | Mia | Young | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a8c261-8642-11ef-a6ac-0242ac130003 | Noah | King | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a90b1d-8642-11ef-a6ac-0242ac130003 | Isabella | Scott | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a96862-8642-11ef-a6ac-0242ac130003 | Lucas | Adams | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23a9b8cc-8642-11ef-a6ac-0242ac130003 | Ava | Mitchell | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23aa3c5c-8642-11ef-a6ac-0242ac130003 | Ethan | Parker | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23aaca9b-8642-11ef-a6ac-0242ac130003 | Harper | Bell | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23ab1f63-8642-11ef-a6ac-0242ac130003 | Mason | Hughes | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

| | | | |
|--------------------------------------|-----------|--------|--|
| 23ab6fad-8642-11ef-a6ac-0242ac130003 | Charlotte | Bryant | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 23abccc5-8642-11ef-a6ac-0242ac130003 | Liam | Harris | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

File: 2.Top 5 Most Expensive Properties.sql

```
SELECT Address, Price
FROM Property
ORDER BY Price DESC
LIMIT 5;
```

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| Address | Price |
|------------------|-----------|
| 1717 Oak Blvd | 620000.00 |
| 707 Maple Ave | 600000.00 |
| 1515 Redwood Ave | 575000.00 |
| 505 Spruce St | 550000.00 |
| 909 Pine Ave | 500000.00 |

File: 20.Top 5 Most Profitable Property Transactions.sql

```
SELECT p.Address, t.Transaction_Amount
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
ORDER BY t.Transaction_Amount DESC
LIMIT 5;
```

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| Address | Transaction_Amount |
|----------------|--------------------|
| 505 Spruce St | 620000.00 |
| 456 Oak St | 575000.00 |
| 1818 Pine Blvd | 550000.00 |
| 101 Elm St | 500000.00 |
| 404 Fir St | 500000.00 |

File: 3.Clients Who Have Made More Than One Transaction.sql

```
SELECT Client_ID, COUNT(*) AS Number_of_Transactions
FROM Transaction
GROUP BY Client_ID
HAVING COUNT(*) > 1;
```

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No results found.

File: 4.Agents With No Sales in the Current Year.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name
FROM Agent a
LEFT JOIN Transaction t ON a.Agent_ID = t.Agent_ID
AND YEAR(t.Transaction_Date) = YEAR(CURDATE())
WHERE t.Transaction_ID IS NULL;
```

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No results found.

File: 5.Average Property Price by Year Built.sql

```
SELECT Year_Built, AVG(Price) AS Average_Price
FROM Property
GROUP BY Year_Built
ORDER BY Year_Built;
```

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| Year_Built | Average_Price |
|------------|---------------|
| 2010 | 250000.000000 |
| 2011 | 285000.000000 |
| 2012 | 290000.000000 |
| 2013 | 295000.000000 |
| 2014 | 393333.333333 |
| 2015 | 396666.666667 |
| 2016 | 410000.000000 |
| 2017 | 325000.000000 |
| 2018 | 373333.333333 |
| 2019 | 587500.000000 |
| 2020 | 510000.000000 |

File: 6.Monthly Sales Volume.sql

```
SELECT YEAR(Transaction_Date) AS Year, MONTH(Transaction_Date) AS Month, COUNT(*) AS Number_of_Sales, SUM(Transaction_Amount) AS Total_Sales
FROM Transaction
WHERE Transaction_Type = 'Sale'
GROUP BY YEAR(Transaction_Date), MONTH(Transaction_Date)
ORDER BY Year, Month;
```

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| Year | Month | Number_of_Sales | Total_Sales |
|------|-------|-----------------|-------------|
| 2024 | 6 | 1 | 250000.00 |
| 2024 | 7 | 1 | 350000.00 |
| 2024 | 8 | 1 | 275000.00 |
| 2024 | 9 | 2 | 590000.00 |
| 2024 | 10 | 1 | 295000.00 |
| 2024 | 11 | 2 | 615000.00 |
| 2024 | 12 | 2 | 595000.00 |

File: 7.Properties With No Recent Transactions.sql

```
SELECT p.Address
FROM Property p
    LEFT JOIN Transaction t ON p.Property_ID = t.Property_ID
    AND t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 1 YEAR)
WHERE t.Transaction_ID IS NULL;
```

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| Address |
|-----------------|
| 1414 Spruce Ave |
| 1717 Oak Blvd |
| 2020 Birch Blvd |

File: 8.Clients With Highest Total Transaction Amount.sql

```
SELECT c.Client_ID, c.First_Name, c.Last_Name, SUM(t.Transaction_Amount) AS Total_Amount
FROM Client c
    JOIN Transaction t ON c.Client_ID = t.Client_ID
GROUP BY c.Client_ID
ORDER BY Total_Amount DESC
LIMIT 10;
```

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| Client_ID | First_Name | Last_Name | Total_Amount |
|--------------------------------------|------------|-----------|--------------|
| 23a3bcd-8642-11ef-a6ac-0242ac130003 | Amelia | Walker | 620000.00 |
| 23a31900-8642-11ef-a6ac-0242ac130003 | Charlotte | Lewis | 575000.00 |
| 23a054b2-8642-11ef-a6ac-0242ac130003 | Olivia | Moore | 550000.00 |
| 239d6d25-8642-11ef-a6ac-0242ac130003 | Jane | Smith | 500000.00 |
| 23a10e94-8642-11ef-a6ac-0242ac130003 | Ava | Anderson | 500000.00 |
| 23a470f1-8642-11ef-a6ac-0242ac130003 | Harper | Allen | 480000.00 |
| 23a253d8-8642-11ef-a6ac-0242ac130003 | Isabella | Harris | 450000.00 |
| 23a1a27a-8642-11ef-a6ac-0242ac130003 | Mia | Jackson | 400000.00 |
| 239e5250-8642-11ef-a6ac-0242ac130003 | Emily | Davis | 400000.00 |
| 239dd802-8642-11ef-a6ac-0242ac130003 | Robert | Johnson | 350000.00 |

File: 9.Most Active Agents by Number of Transactions.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name, COUNT(*) AS Number_of_Transactions
FROM Agent a
    JOIN Transaction t ON a.Agent_ID = t.Agent_ID
GROUP BY a.Agent_ID
ORDER BY Number_of_Transactions DESC;
```

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| Agent_ID | First_Name | Last_Name | Number_of_Transactions |
|--------------------------------------|------------|-----------|------------------------|
| 23a874bf-8642-11ef-a6ac-0242ac130003 | Mia | Young | 1 |
| 23abccc5-8642-11ef-a6ac-0242ac130003 | Liam | Harris | 1 |
| 23ab6fad-8642-11ef-a6ac-0242ac130003 | Charlotte | Bryant | 1 |
| 23ab1f63-8642-11ef-a6ac-0242ac130003 | Mason | Hughes | 1 |
| 23aacab9-8642-11ef-a6ac-0242ac130003 | Harper | Bell | 1 |
| 23aa3c5c-8642-11ef-a6ac-0242ac130003 | Ethan | Parker | 1 |
| 23a9b8cc-8642-11ef-a6ac-0242ac130003 | Ava | Mitchell | 1 |
| 23a96862-8642-11ef-a6ac-0242ac130003 | Lucas | Adams | 1 |
| 23a90b1d-8642-11ef-a6ac-0242ac130003 | Isabella | Scott | 1 |
| 23a8c261-8642-11ef-a6ac-0242ac130003 | Noah | King | 1 |
| 23a50f33-8642-11ef-a6ac-0242ac130003 | Sarah | Wilson | 1 |
| 23a81f46-8642-11ef-a6ac-0242ac130003 | Aiden | Walker | 1 |
| 23a7c1c9-8642-11ef-a6ac-0242ac130003 | Sophia | Lewis | 1 |
| 23a77305-8642-11ef-a6ac-0242ac130003 | William | Clark | 1 |
| 23a70a37-8642-11ef-a6ac-0242ac130003 | Emma | Harris | 1 |
| 23a6ae10-8642-11ef-a6ac-0242ac130003 | John | Roberts | 1 |
| 23a661a9-8642-11ef-a6ac-0242ac130003 | Olivia | Thomas | 1 |
| 23a60a6f-8642-11ef-a6ac-0242ac130003 | James | Anderson | 1 |
| 23a5ba20-8642-11ef-a6ac-0242ac130003 | Laura | Taylor | 1 |
| 23a56900-8642-11ef-a6ac-0242ac130003 | David | Martinez | 1 |

File: Join 1. Property with Transaction and Client.sql

```
SELECT p.Address, t.Transaction_Date, c.First_Name, c.Last_Name
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
    JOIN Client c ON t.Client_ID = c.Client_ID;
```

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| Address | Transaction_Date | First_Name | Last_Name |
|------------------|--|------------|-----------|
| 123 Maple St | Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | John | Doe |
| 101 Elm St | Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Jane | Smith |
| 303 Cedar St | Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Robert | Johnson |
| 606 Redwood St | Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Emily | Davis |
| 909 Pine Ave | Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Michael | Brown |
| 1212 Cedar Ave | Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Sophia | Miller |
| 1515 Redwood Ave | Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | William | Wilson |
| 1818 Pine Blvd | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Olivia | Moore |
| 789 Pine St | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | James | Taylor |
| 404 Fir St | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Ava | Anderson |
| 707 Maple Ave | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Liam | Thomas |
| 1010 Elm Ave | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Mia | Jackson |
| 1313 Fir Ave | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Ethan | White |
| 1616 Maple Blvd | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Isabella | Harris |
| 1919 Elm Blvd | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Benjamin | Clark |
| 456 Oak St | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Charlotte | Lewis |
| 202 Birch St | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Lucas | Young |
| 505 Spruce St | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Amelia | Walker |
| 808 Oak Ave | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Henry | Hall |
| 1111 Birch Ave | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Harper | Allen |

File: Join 10. Property with Transaction and Group by Year Built.sql

```
SELECT p.Year_Built, COUNT(*) AS Number_of_Transactions
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
GROUP BY p.Year_Built;
```

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| Year_Built | Number_of_Transactions |
|------------|------------------------|
| 2010 | 1 |
| 2020 | 1 |
| 2017 | 2 |
| 2016 | 3 |
| 2018 | 2 |
| 2019 | 2 |
| 2015 | 3 |
| 2011 | 1 |
| 2014 | 2 |
| 2012 | 2 |
| 2013 | 1 |

File: Join 11.Agent, Property, and Transaction to Find Top Properties by Agent.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name, p.Address, SUM(t.Transaction_Amount) AS Total_Sales
FROM Agent a
    JOIN Transaction t ON a.Agent_ID = t.Agent_ID
    JOIN Property p ON t.Property_ID = p.Property_ID
GROUP BY a.Agent_ID, a.First_Name, a.Last_Name, p.Address
ORDER BY Total_Sales DESC;
```

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| Agent_ID | First_Name | Last_Name | Address | Total_Sales |
|---------------------------------------|------------|-----------|------------------|-------------|
| 23ab1f63-8642-11ef-a6ac-0242ac130003 | Mason | Hughes | 505 Spruce St | 620000.00 |
| 23aa3c5c-8642-11ef-a6ac-0242ac130003 | Ethan | Parker | 456 Oak St | 575000.00 |
| 23a77305-8642-11ef-a6ac-0242ac130003 | William | Clark | 1818 Pine Blvd | 550000.00 |
| 23a56900-8642-11ef-a6ac-0242ac130003 | David | Martinez | 101 Elm St | 500000.00 |
| 23a81f46-8642-11ef-a6ac-0242ac130003 | Aiden | Walker | 404 Fir St | 500000.00 |
| 23abccc5-8642-11ef-a6ac-0242ac130003 | Liam | Harris | 1111 Birch Ave | 480000.00 |
| 23a96862-8642-11ef-a6ac-0242ac130003 | Lucas | Adams | 1616 Maple Blvd | 450000.00 |
| 23a8c261-8642-11ef-a6ac-0242ac130003 | Noah | King | 1010 Elm Ave | 400000.00 |
| 23a60a6f-8642-11ef-a6ac-0242ac130003 | James | Anderson | 606 Redwood St | 400000.00 |
| 23a5ba20-8642-11ef-a6ac-0242ac130003 | Laura | Taylor | 303 Cedar St | 350000.00 |
| 23a6ae10-8642-11ef-a6ac-0242ac130003 | John | Roberts | 1212 Cedar Ave | 325000.00 |
| 23a90b1d-8642-11ef-a6ac-0242ac130003 | Isabella | Scott | 1313 Fir Ave | 325000.00 |
| 23a874bf-8642-11ef-a6ac-0242ac130003 | Mia | Young | 707 Maple Ave | 310000.00 |
| 23aaaca9b-8642-11ef-a6ac-0242ac130003 | Harper | Bell | 202 Birch St | 305000.00 |
| 23a70a37-8642-11ef-a6ac-0242ac130003 | Emma | Harris | 1515 Redwood Ave | 300000.00 |
| 23a7c1c9-8642-11ef-a6ac-0242ac130003 | Sophia | Lewis | 789 Pine St | 295000.00 |
| 23ab6fad-8642-11ef-a6ac-0242ac130003 | Charlotte | Bryant | 808 Oak Ave | 290000.00 |
| 23a661a9-8642-11ef-a6ac-0242ac130003 | Olivia | Thomas | 909 Pine Ave | 275000.00 |
| 23a9b8cc-8642-11ef-a6ac-0242ac130003 | Ava | Mitchell | 1919 Elm Blvd | 270000.00 |
| 23a50f33-8642-11ef-a6ac-0242ac130003 | Sarah | Wilson | 123 Maple St | 250000.00 |

File: Join 12.Property, Transaction, and Show Properties With No Sales.sql

```
SELECT p.Address
FROM Property p
    LEFT JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE t.Transaction_ID IS NULL;
```

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| Address |
|-----------------|
| 1414 Spruce Ave |
| 1717 Oak Blvd |
| 2020 Birch Blvd |

File: Join 13.Transaction and Property to Find Recent Transactions.sql

```
SELECT p.Address, t.Transaction_Date, t.Transaction_Amount
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 1 MONTH);
```

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| Address | Transaction_Date | Transaction_Amount |
|-----------------|--|--------------------|
| 1818 Pine Blvd | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 550000.00 |
| 789 Pine St | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 295000.00 |
| 404 Fir St | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 500000.00 |
| 707 Maple Ave | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 310000.00 |
| 1010 Elm Ave | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 400000.00 |
| 1313 Fir Ave | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 325000.00 |
| 1616 Maple Blvd | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 450000.00 |
| 1919 Elm Blvd | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 270000.00 |
| 456 Oak St | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 575000.00 |
| 202 Birch St | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 305000.00 |
| 505 Spruce St | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 620000.00 |
| 808 Oak Ave | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | 290000.00 |

File: Join 14.Client, Agent, and Property to List Transactions.sql

```
SELECT c.First_Name AS Client_First_Name, c.Last_Name AS Client_Last_Name, a.First_Name AS Agent_First_Name, a.Last_Name AS Agent
FROM Client c
    JOIN Transaction t ON c.Client_ID = t.Client_ID
    JOIN Agent a ON t.Agent_ID = a.Agent_ID
    JOIN Property p ON t.Property_ID = p.Property_ID;
```

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| Client_First_Name | Client_Last_Name | Agent_First_Name | Agent_Last_Name | Address |
|-------------------|------------------|------------------|-----------------|------------------|
| John | Doe | Sarah | Wilson | 123 Maple St |
| Jane | Smith | David | Martinez | 101 Elm St |
| Robert | Johnson | Laura | Taylor | 303 Cedar St |
| Emily | Davis | James | Anderson | 606 Redwood St |
| Michael | Brown | Olivia | Thomas | 909 Pine Ave |
| Sophia | Miller | John | Roberts | 1212 Cedar Ave |
| William | Wilson | Emma | Harris | 1515 Redwood Ave |
| Olivia | Moore | William | Clark | 1818 Pine Blvd |
| James | Taylor | Sophia | Lewis | 789 Pine St |
| Ava | Anderson | Aiden | Walker | 404 Fir St |
| Liam | Thomas | Mia | Young | 707 Maple Ave |
| Mia | Jackson | Noah | King | 1010 Elm Ave |
| Ethan | White | Isabella | Scott | 1313 Fir Ave |
| Isabella | Harris | Lucas | Adams | 1616 Maple Blvd |
| Benjamin | Clark | Ava | Mitchell | 1919 Elm Blvd |
| Charlotte | Lewis | Ethan | Parker | 456 Oak St |
| Lucas | Young | Harper | Bell | 202 Birch St |
| Amelia | Walker | Mason | Hughes | 505 Spruce St |
| Henry | Hall | Charlotte | Bryant | 808 Oak Ave |
| Harper | Allen | Liam | Harris | 1111 Birch Ave |

File: Join 15.Transaction with Property and Client for High-Value Sales.sql

```
SELECT p.Address, c.First_Name AS Client_First_Name, c.Last_Name AS Client_Last_Name, t.Transaction_Amount
FROM Transaction t
    JOIN Property p ON t.Property_ID = p.Property_ID
    JOIN Client c ON t.Client_ID = c.Client_ID
WHERE t.Transaction_Amount > 500000;
```

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| Address | Client_First_Name | Client_Last_Name | Transaction_Amount |
|----------------|-------------------|------------------|--------------------|
| 1818 Pine Blvd | Olivia | Moore | 550000.00 |
| 456 Oak St | Charlotte | Lewis | 575000.00 |
| 505 Spruce St | Amelia | Walker | 620000.00 |

File: Join 16.Property with Agent for Properties Managed by Agents.sql

```
SELECT a.First_Name AS Agent_First_Name, a.Last_Name AS Agent_Last_Name, p.Address
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
    JOIN Agent a ON t.Agent_ID = a.Agent_ID;
```

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| Agent_First_Name | Agent_Last_Name | Address |
|------------------|-----------------|------------------|
| Sarah | Wilson | 123 Maple St |
| David | Martinez | 101 Elm St |
| Laura | Taylor | 303 Cedar St |
| James | Anderson | 606 Redwood St |
| Olivia | Thomas | 909 Pine Ave |
| John | Roberts | 1212 Cedar Ave |
| Emma | Harris | 1515 Redwood Ave |
| William | Clark | 1818 Pine Blvd |
| Sophia | Lewis | 789 Pine St |
| Aiden | Walker | 404 Fir St |
| Mia | Young | 707 Maple Ave |
| Noah | King | 1010 Elm Ave |
| Isabella | Scott | 1313 Fir Ave |
| Lucas | Adams | 1616 Maple Blvd |
| Ava | Mitchell | 1919 Elm Blvd |
| Ethan | Parker | 456 Oak St |
| Harper | Bell | 202 Birch St |
| Mason | Hughes | 505 Spruce St |
| Charlotte | Bryant | 808 Oak Ave |
| Liam | Harris | 1111 Birch Ave |

File: Join 17.Property and Client to Find Recent Transactions.sql

```
SELECT p.Address, c.First_Name, c.Last_Name, t.Transaction_Date
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
    JOIN Client c ON t.Client_ID = c.Client_ID
WHERE t.Transaction_Date > DATE_SUB(CURDATE(), INTERVAL 6 MONTH);
```

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| Address | First_Name | Last_Name | Transaction_Date |
|------------------|------------|-----------|--|
| 123 Maple St | John | Doe | Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 101 Elm St | Jane | Smith | Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 303 Cedar St | Robert | Johnson | Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 606 Redwood St | Emily | Davis | Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 909 Pine Ave | Michael | Brown | Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1212 Cedar Ave | Sophia | Miller | Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1515 Redwood Ave | William | Wilson | Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1818 Pine Blvd | Olivia | Moore | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 789 Pine St | James | Taylor | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 404 Fir St | Ava | Anderson | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 707 Maple Ave | Liam | Thomas | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1010 Elm Ave | Mia | Jackson | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1313 Fir Ave | Ethan | White | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

| | | | |
|-----------------|-----------|--------|--|
| 1616 Maple Blvd | Isabella | Harris | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1919 Elm Blvd | Benjamin | Clark | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 456 Oak St | Charlotte | Lewis | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 202 Birch St | Lucas | Young | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 505 Spruce St | Amelia | Walker | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 808 Oak Ave | Henry | Hall | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1111 Birch Ave | Harper | Allen | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

File: Join 18.Property, Client, and Agent to Show Detailed Transactions.sql

```
SELECT p.Address, c.First_Name AS Client_First_Name, c.Last_Name AS Client_Last_Name, a.First_Name AS Agent_First_Name, a.Last_Na
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
JOIN Client c ON t.Client_ID = c.Client_ID
JOIN Agent a ON t.Agent_ID = a.Agent_ID;
```

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| Address | Client_First_Name | Client_Last_Name | Agent_First_Name | Agent_Last_Name | Transaction_Date |
|------------------|-------------------|------------------|------------------|-----------------|--|
| 123 Maple St | John | Doe | Sarah | Wilson | Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 101 Elm St | Jane | Smith | David | Martinez | Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 303 Cedar St | Robert | Johnson | Laura | Taylor | Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 606 Redwood St | Emily | Davis | James | Anderson | Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 909 Pine Ave | Michael | Brown | Olivia | Thomas | Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1212 Cedar Ave | Sophia | Miller | John | Roberts | Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1515 Redwood Ave | William | Wilson | Emma | Harris | Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1818 Pine Blvd | Olivia | Moore | William | Clark | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 789 Pine St | James | Taylor | Sophia | Lewis | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 404 Fir St | Ava | Anderson | Aiden | Walker | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 707 Maple Ave | Liam | Thomas | Mia | Young | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1010 Elm Ave | Mia | Jackson | Noah | King | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1313 Fir Ave | Ethan | White | Isabella | Scott | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1616 Maple Blvd | Isabella | Harris | Lucas | Adams | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1919 Elm Blvd | Benjamin | Clark | Ava | Mitchell | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 456 Oak St | Charlotte | Lewis | Ethan | Parker | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 202 Birch St | Lucas | Young | Harper | Bell | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 505 Spruce St | Amelia | Walker | Mason | Hughes | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 808 Oak Ave | Henry | Hall | Charlotte | Bryant | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

| | | | | | |
|----------------|--------|-------|------|--------|---|
| 1111 Birch Ave | Harper | Allen | Liam | Harris | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
|----------------|--------|-------|------|--------|---|

File: Join 19.Property and Transaction to Find Average Sale Price.sql

```
SELECT p.Address, AVG(t.Transaction_Amount) AS Average_Sale_Price
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE t.Transaction_Type = 'Sale'
GROUP BY p.Address;
```

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| Address | Average_Sale_Price |
|------------------|--------------------|
| 123 Maple St | 250000.000000 |
| 303 Cedar St | 350000.000000 |
| 909 Pine Ave | 275000.000000 |
| 1515 Redwood Ave | 300000.000000 |
| 789 Pine St | 295000.000000 |
| 707 Maple Ave | 310000.000000 |
| 1313 Fir Ave | 325000.000000 |
| 1919 Elm Blvd | 270000.000000 |
| 202 Birch St | 305000.000000 |
| 808 Oak Ave | 290000.000000 |

File: Join 2. Property with Transaction and Agent.sql

```
SELECT p.Address, t.Transaction_Date, a.First_Name, a.Last_Name
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
JOIN Agent a ON t.Agent_ID = a.Agent_ID;
```

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| Address | Transaction_Date | First_Name | Last_Name |
|------------------|--|------------|-----------|
| 123 Maple St | Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Sarah | Wilson |
| 101 Elm St | Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | David | Martinez |
| 303 Cedar St | Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Laura | Taylor |
| 606 Redwood St | Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | James | Anderson |
| 909 Pine Ave | Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Olivia | Thomas |
| 1212 Cedar Ave | Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | John | Roberts |
| 1515 Redwood Ave | Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Emma | Harris |
| 1818 Pine Blvd | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | William | Clark |
| 789 Pine St | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Sophia | Lewis |
| 404 Fir St | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Aiden | Walker |
| 707 Maple Ave | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Mia | Young |
| 1010 Elm Ave | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Noah | King |
| 1313 Fir Ave | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Isabella | Scott |
| 1616 Maple Blvd | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Lucas | Adams |
| 1919 Elm Blvd | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Ava | Mitchell |
| 456 Oak St | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Ethan | Parker |
| 202 Birch St | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Harper | Bell |

| | | | |
|----------------|--|-----------|--------|
| 505 Spruce St | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Mason | Hughes |
| 808 Oak Ave | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Charlotte | Bryant |
| 1111 Birch Ave | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Liam | Harris |

File: Join 20.Transaction with Property and Calculate Commission.sql

```
SELECT p.Address, t.Transaction_Amount, (t.Transaction_Amount * 0.03) AS Commission
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID;
```

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| Address | Transaction_Amount | Commission |
|------------------|--------------------|------------|
| 123 Maple St | 250000.00 | 7500.0000 |
| 101 Elm St | 500000.00 | 15000.0000 |
| 303 Cedar St | 350000.00 | 10500.0000 |
| 606 Redwood St | 400000.00 | 12000.0000 |
| 909 Pine Ave | 275000.00 | 8250.0000 |
| 1212 Cedar Ave | 325000.00 | 9750.0000 |
| 1515 Redwood Ave | 300000.00 | 9000.0000 |
| 1818 Pine Blvd | 550000.00 | 16500.0000 |
| 789 Pine St | 295000.00 | 8850.0000 |
| 404 Fir St | 500000.00 | 15000.0000 |
| 707 Maple Ave | 310000.00 | 9300.0000 |
| 1010 Elm Ave | 400000.00 | 12000.0000 |
| 1313 Fir Ave | 325000.00 | 9750.0000 |
| 1616 Maple Blvd | 450000.00 | 13500.0000 |
| 1919 Elm Blvd | 270000.00 | 8100.0000 |
| 456 Oak St | 575000.00 | 17250.0000 |
| 202 Birch St | 305000.00 | 9150.0000 |
| 505 Spruce St | 620000.00 | 18600.0000 |
| 808 Oak Ave | 290000.00 | 8700.0000 |
| 1111 Birch Ave | 480000.00 | 14400.0000 |

File: Join 3. Transaction with Client and Agent .sql

```
SELECT t.Transaction_Date, c.First_Name AS Client_First_Name, c.Last_Name AS Client_Last_Name, a.First_Name AS Agent_First_Name,
FROM Transaction t
JOIN Client c ON t.Client_ID = c.Client_ID
JOIN Agent a ON t.Agent_ID = a.Agent_ID;
```

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| Transaction_Date | Client_First_Name | Client_Last_Name | Agent_First_Name | Agent_Last_Name |
|--|-------------------|------------------|------------------|-----------------|
| Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | John | Doe | Sarah | Wilson |
| Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Jane | Smith | David | Martinez |
| Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Robert | Johnson | Laura | Taylor |
| Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Emily | Davis | James | Anderson |
| Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Michael | Brown | Olivia | Thomas |
| Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Sophia | Miller | John | Roberts |
| Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | William | Wilson | Emma | Harris |
| Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Olivia | Moore | William | Clark |
| Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | James | Taylor | Sophia | Lewis |
| Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Ava | Anderson | Aiden | Walker |
| Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Liam | Thomas | Mia | Young |
| Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Mia | Jackson | Noah | King |
| Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Ethan | White | Isabella | Scott |
| Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Isabella | Harris | Lucas | Adams |
| Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Benjamin | Clark | Ava | Mitchell |
| Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Charlotte | Lewis | Ethan | Parker |
| Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Lucas | Young | Harper | Bell |
| Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Amelia | Walker | Mason | Hughes |
| Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Henry | Hall | Charlotte | Bryant |
| Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) | Harper | Allen | Liam | Harris |

File: Join 4. Property with Transaction and Filter by Status.sql

```
SELECT p.Address, t.Transaction_Date
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE p.Status = 'Sold';
```

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| Address | Transaction_Date |
|----------------|--|
| 456 Oak St | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 202 Birch St | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 505 Spruce St | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 808 Oak Ave | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1111 Birch Ave | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

File: Join 5. Property, Transaction, and Aggregate Sales.sql

```
SELECT p.Property_ID, p.Address, SUM(t.Transaction_Amount) AS Total_Sales
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
GROUP BY p.Property_ID, p.Address;
```

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| Property_ID | Address | Total_Sales |
|---------------------------------------|------------------|-------------|
| 239292ef-8642-11ef-a6ac-0242ac130003 | 123 Maple St | 250000.00 |
| 23944613-8642-11ef-a6ac-0242ac130003 | 101 Elm St | 500000.00 |
| 2394f453-8642-11ef-a6ac-0242ac130003 | 303 Cedar St | 350000.00 |
| 2396a08c-8642-11ef-a6ac-0242ac130003 | 606 Redwood St | 400000.00 |
| 2397bbb6-8642-11ef-a6ac-0242ac130003 | 909 Pine Ave | 275000.00 |
| 2398f9d3-8642-11ef-a6ac-0242ac130003 | 1212 Cedar Ave | 325000.00 |
| 239a3069-8642-11ef-a6ac-0242ac130003 | 1515 Redwood Ave | 300000.00 |
| 239b7221-8642-11ef-a6ac-0242ac130003 | 1818 Pine Blvd | 550000.00 |
| 2393959f-8642-11ef-a6ac-0242ac130003 | 789 Pine St | 295000.00 |
| 23955154-8642-11ef-a6ac-0242ac130003 | 404 Fir St | 500000.00 |
| 23971475-8642-11ef-a6ac-0242ac130003 | 707 Maple Ave | 310000.00 |
| 239831b4-8642-11ef-a6ac-0242ac130003 | 1010 Elm Ave | 400000.00 |
| 239970bc-8642-11ef-a6ac-0242ac130003 | 1313 Fir Ave | 325000.00 |
| 239aaaaef-8642-11ef-a6ac-0242ac130003 | 1616 Maple Blvd | 450000.00 |
| 239bf1c7-8642-11ef-a6ac-0242ac130003 | 1919 Elm Blvd | 270000.00 |
| 2392f5e3-8642-11ef-a6ac-0242ac130003 | 456 Oak St | 575000.00 |
| 2394a7f7-8642-11ef-a6ac-0242ac130003 | 202 Birch St | 305000.00 |
| 2396306b-8642-11ef-a6ac-0242ac130003 | 505 Spruce St | 620000.00 |
| 239767ee-8642-11ef-a6ac-0242ac130003 | 808 Oak Ave | 290000.00 |
| 2398a655-8642-11ef-a6ac-0242ac130003 | 1111 Birch Ave | 480000.00 |

File: Join 6. Property with Client and Filter by Property Type.sql

```
SELECT p.Address, c.First_Name, c.Last_Name
FROM Property p
JOIN Transaction t ON p.Property_ID = t.Property_ID
JOIN Client c ON t.Client_ID = c.Client_ID
WHERE p.Property_Type = 'Residential';
```

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| Address | First_Name | Last_Name |
|-----------------|------------|-----------|
| 123 Maple St | John | Doe |
| 606 Redwood St | Emily | Davis |
| 1212 Cedar Ave | Sophia | Miller |
| 1818 Pine Blvd | Olivia | Moore |
| 789 Pine St | James | Taylor |
| 404 Fir St | Ava | Anderson |
| 1010 Elm Ave | Mia | Jackson |
| 1616 Maple Blvd | Isabella | Harris |
| 202 Birch St | Lucas | Young |
| 808 Oak Ave | Henry | Hall |

File: Join 7. Agent with Transaction and Count Transactions.sql

```
SELECT a.Agent_ID, a.First_Name, a.Last_Name, COUNT(t.Transaction_ID) AS Number_of_Transactions
FROM Agent a
    JOIN Transaction t ON a.Agent_ID = t.Agent_ID
GROUP BY a.Agent_ID, a.First_Name, a.Last_Name;
```

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| Agent_ID | First_Name | Last_Name | Number_of_Transactions |
|--------------------------------------|------------|-----------|------------------------|
| 23a50f33-8642-11ef-a6ac-0242ac130003 | Sarah | Wilson | 1 |
| 23a56900-8642-11ef-a6ac-0242ac130003 | David | Martinez | 1 |
| 23a5ba20-8642-11ef-a6ac-0242ac130003 | Laura | Taylor | 1 |
| 23a60a6f-8642-11ef-a6ac-0242ac130003 | James | Anderson | 1 |
| 23a661a9-8642-11ef-a6ac-0242ac130003 | Olivia | Thomas | 1 |
| 23a6ae10-8642-11ef-a6ac-0242ac130003 | John | Roberts | 1 |
| 23a70a37-8642-11ef-a6ac-0242ac130003 | Emma | Harris | 1 |
| 23a77305-8642-11ef-a6ac-0242ac130003 | William | Clark | 1 |
| 23a7c1c9-8642-11ef-a6ac-0242ac130003 | Sophia | Lewis | 1 |
| 23a81f46-8642-11ef-a6ac-0242ac130003 | Aiden | Walker | 1 |
| 23a874bf-8642-11ef-a6ac-0242ac130003 | Mia | Young | 1 |
| 23a8c261-8642-11ef-a6ac-0242ac130003 | Noah | King | 1 |
| 23a90b1d-8642-11ef-a6ac-0242ac130003 | Isabella | Scott | 1 |
| 23a96862-8642-11ef-a6ac-0242ac130003 | Lucas | Adams | 1 |
| 23a9b8cc-8642-11ef-a6ac-0242ac130003 | Ava | Mitchell | 1 |
| 23aa3c5c-8642-11ef-a6ac-0242ac130003 | Ethan | Parker | 1 |
| 23aac9b-8642-11ef-a6ac-0242ac130003 | Harper | Bell | 1 |
| 23ab1f63-8642-11ef-a6ac-0242ac130003 | Mason | Hughes | 1 |
| 23ab6fad-8642-11ef-a6ac-0242ac130003 | Charlotte | Bryant | 1 |
| 23abccc5-8642-11ef-a6ac-0242ac130003 | Liam | Harris | 1 |

File: Join 8. Property with Transaction and Show Latest Transactions.sql

```
SELECT p.Address, t.Transaction_Date
FROM Property p
    JOIN Transaction t ON p.Property_ID = t.Property_ID
WHERE t.Transaction_Date = (SELECT MAX(Transaction_Date) FROM Transaction WHERE Property_ID = p.Property_ID);
```

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| Address | Transaction_Date |
|------------------|--|
| 123 Maple St | Sat Jun 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 101 Elm St | Sat Jun 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 303 Cedar St | Mon Jul 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 606 Redwood St | Mon Jul 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 909 Pine Ave | Thu Aug 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1212 Cedar Ave | Thu Aug 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1515 Redwood Ave | Sun Sep 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1818 Pine Blvd | Sun Sep 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 789 Pine St | Tue Oct 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 404 Fir St | Tue Oct 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 707 Maple Ave | Fri Nov 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1010 Elm Ave | Fri Nov 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1313 Fir Ave | Sun Dec 01 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1616 Maple Blvd | Sun Dec 15 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1919 Elm Blvd | Wed Dec 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 456 Oak St | Mon Dec 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 202 Birch St | Wed Nov 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 505 Spruce St | Fri Oct 25 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 808 Oak Ave | Mon Sep 30 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |
| 1111 Birch Ave | Tue Aug 20 2024 00:00:00 GMT+0000 (Coordinated Universal Time) |

File: Join 9. Client with Transaction and Show Total Spending.sql

```
SELECT c.Client_ID, c.First_Name, c.Last_Name, SUM(t.Transaction_Amount) AS Total_Spending
FROM Client c
    JOIN Transaction t ON c.Client_ID = t.Client_ID
GROUP BY c.Client_ID, c.First_Name, c.Last_Name;
```

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| Client_ID | First_Name | Last_Name | Total_Spending |
|--------------------------------------|------------|-----------|----------------|
| 239cf60d-8642-11ef-a6ac-0242ac130003 | John | Doe | 250000.00 |
| 239d6d25-8642-11ef-a6ac-0242ac130003 | Jane | Smith | 500000.00 |
| 239dd802-8642-11ef-a6ac-0242ac130003 | Robert | Johnson | 350000.00 |
| 239e5250-8642-11ef-a6ac-0242ac130003 | Emily | Davis | 400000.00 |
| 239ebb07-8642-11ef-a6ac-0242ac130003 | Michael | Brown | 275000.00 |
| 239f3d6d-8642-11ef-a6ac-0242ac130003 | Sophia | Miller | 325000.00 |
| 239fd2d-8642-11ef-a6ac-0242ac130003 | William | Wilson | 300000.00 |
| 23a054b2-8642-11ef-a6ac-0242ac130003 | Olivia | Moore | 550000.00 |
| 23a0c05c-8642-11ef-a6ac-0242ac130003 | James | Taylor | 295000.00 |
| 23a10e94-8642-11ef-a6ac-0242ac130003 | Ava | Anderson | 500000.00 |
| 23a15866-8642-11ef-a6ac-0242ac130003 | Liam | Thomas | 310000.00 |
| 23a1a27a-8642-11ef-a6ac-0242ac130003 | Mia | Jackson | 400000.00 |
| 23a20605-8642-11ef-a6ac-0242ac130003 | Ethan | White | 325000.00 |
| 23a253d8-8642-11ef-a6ac-0242ac130003 | Isabella | Harris | 450000.00 |
| 23a2a643-8642-11ef-a6ac-0242ac130003 | Benjamin | Clark | 270000.00 |
| 23a31900-8642-11ef-a6ac-0242ac130003 | Charlotte | Lewis | 575000.00 |
| 23a37255-8642-11ef-a6ac-0242ac130003 | Lucas | Young | 305000.00 |
| 23a3bcd-8642-11ef-a6ac-0242ac130003 | Amelia | Walker | 620000.00 |
| 23a4100e-8642-11ef-a6ac-0242ac130003 | Henry | Hall | 290000.00 |
| 23a470f1-8642-11ef-a6ac-0242ac130003 | Harper | Allen | 480000.00 |