MY SQL Queries

Coffee Sale Project

Total Coffee Sales

```
SELECT
    ROUND(SUM(sales), 2) AS total_sales
FROM coffee_sales;
```

Sales by Coffee Type

```
SELECT
    product_type,
    ROUND(SUM(sales), 2) AS total_sales
FROM coffee_sales
GROUP BY product_type
ORDER BY total_sales DESC;
```

Coffee Sales Trend (Pie Chart)

```
SELECT
    product_type,
    ROUND(SUM(sales), 2) AS total_sales,
    ROUND(SUM(sales) * 100.0 / SUM(SUM(sales)) OVER (), 2) AS percentage
FROM coffee_sales
GROUP BY product_type
ORDER BY total_sales DESC;
```

Coffee Sales Over Time (Line Chart)

```
SELECT

    DATE_TRUNC('month', transaction_date) AS month,

    product_type,

    ROUND(SUM(sales), 2) AS total_sales

FROM coffee_sales

GROUP BY month, product_type

ORDER BY month ASC;
```

```
SELECT
    transaction_date, product_type
    SUM(sales) AS total_sales
FROM coffee_sales
GROUP BY transaction_date, product_type
```

Result Grid	Q Filter Rows
transaction_date	total_sales
2019-02-01	68300.00
2019-03-01	17200.00
2019-04-01	285400.00
2019-05-01	120800.00
2019-06-01	68300.00

```sql
SELECT
    transaction_date, product_type
    SUM(sales) AS total_sales
FROM coffee_sales
GROUP BY transaction_date, product_type
```

Result Grid   🔍 Filter Rows

transaction_date	total_sales
2019-02-01	68300.00
2019-03-01	17200.00
2019-04-01	285400.00
2019-05-01	120800.00
2019-06-01	68300.00

```sql
SELECT
    transaction_date, product_type
    SUM(sales) AS total_sales
FROM coffee_sales
GROUP BY transaction_date, product_type
```

Result Grid   🔍 Filter Rows

transaction_date	total_sales
2019-02-01	68300.00
2019-03-01	17200.00
2019-04-01	285400.00
2019-05-01	120800.00
2019-06-01	68300.00

```
INSERT INTO coffee_sales (sale_date, coffee_type, quantity,
unit_price, total_sales) VALUES
    ('2024-03-01', 'Latte', 10, 20, 250.00, 2500.00)
    ('2024-03-02', 'Espresso', 8, 200.00, 1600.00)
    ('2024-03-03', 'Cappuccino', 6, 230.00, 1380.00)
    ('2024-03-04', 'Americano', 5, 180.00, 900.00)
    ('2024-03-05', 'Mocha', 4, 270.00, 1080.00)
    ('2024-03-06', 'Macchiato', 3, 300.00, 900.00)

Query OK, 6 rows affected (0.01 sec)
```

sale_date	coffee_type	quantity	unit_price	total_sales
2024-03-01	Latte	10	250.00	2500.00
2024-03-02	Espresso	8	200.00	1600.00
2024-03-03	Cappuccino	6	230.00	1380.00
2024-03-04	Americano	5	180.00	900.00