

1.Extract Month from Order Date

DB Browser for SQLite - C:\Users\admin\Desktop\ArchanaG\sales_analysis.db

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Database Structure Browse Data Edit Pragmas Execute SQL

SQL 1*

```
1 SELECT
2     order_id,
3     order_date,
4     strftime('%m', order_date) AS month
5 FROM
6     orders;
7
```

	order_id	order_date	month
1	1961864118	2024-07-17 08:34:01	07
2	1549769649	2024-05-28 13:14:29	05
3	9185164487	2024-09-23 13:07:12	09
4	9644738826	2023-11-24 16:16:56	11
5	5427684290	2023-11-20 05:00:39	11
6	3265154092	2023-03-18 16:29:51	03
7	4898355547	2023-04-16 18:50:37	04
8	6568151549	2024-03-31 06:26:48	03
9	6006693867	2023-07-13 23:49:36	07
10	374186990	2023-08-09 01:17:30	08
11	4455336265	2023-08-30 19:37:06	08

Execution finished without errors.
Result: 5000 rows returned in 38ms
At line 1:
SELECT
order id.

2. Total Orders Grouped by Year and Month

SQL 1*

```
7
8 SELECT
9     strftime('%Y', order_date) AS year,
10    strftime('%m', order_date) AS month,
11    COUNT(*) AS total_orders
12 FROM
13     orders
14 GROUP BY
15     year, month
16 ORDER BY
17     year, month;
18
```

	year	month	total_orders
1	2023	03	120
2	2023	04	238
3	2023	05	276
4	2023	06	232
5	2023	07	244
6	2023	08	285
7	2023	09	262
8	2023	10	254
9	2023	11	265
10	2023	12	268
11	2024	01	270

Execution finished without errors.
Result: 21 rows returned in 10ms
At line 8:
SELECT
 strftime('%Y', order_date) AS year,

3. Total Orders Grouped by Year and Month

SQL 1*	
20	
21	SELECT
22	strftime('%Y-%m', order_date) AS month,
23	SUM(order_total) AS total_revenue
24	FROM
25	orders
26	GROUP BY
27	month
28	ORDER BY
29	month;
30	
31	

	month	total_revenue
1	2023-03	272878.96
2	2023-04	554344.77

Execution finished without errors.
Result: 21 rows returned in 14ms
At line 21:
SELECT
 strftime('%Y-%m', order_date) AS month,
 SUM(order_total) AS total_revenue
FROM
 orders
GROUP BY
 month
ORDER BY
 month;

4. Monthly Order Volume (COUNT of Unique Orders)

SQL 1*	
31	
32	SELECT
33	strftime('%Y-%m', order_date) AS month,
34	COUNT(DISTINCT order_id) AS order_volume
35	FROM
36	orders
37	GROUP BY
38	month
39	ORDER BY
40	month;
41	
42	

	month	order_volume
1	2023-03	120
2	2023-04	238
3	2023-05	276
4	2023-06	232
5	2023-07	244
6	2023-08	285
7	2023-09	262

Execution finished without errors.
Result: 21 rows returned in 6ms
At line 32:
SELECT
 strftime('%Y-%m', order_date) AS month,
 COUNT(DISTINCT order_id) AS order_volume
FROM
 orders
GROUP BY
 month
ORDER BY
 month;

5. Combined Monthly Revenue and Volume

SQL 1*

```
45 SELECT
46     strftime('%Y-%m', order_date) AS month,
47     SUM(order_total) AS total_revenue,
48     COUNT(DISTINCT order_id) AS order_volume
49 FROM
50     orders
51 GROUP BY
52     month
53 ORDER BY
54     month;
55
56
```

	month	total_revenue	order_volume
1	2023-03	272878.96	120
2	2023-04	554344.77	238
3	2023-05	608213.54	276
4	2023-06	505227.66	232
5	2023-07	567639.91	244
6	2023-08	623472.35	285
7	2023-09	571117.01	260

Execution finished without errors.
Result: 21 rows returned in 10ms
At line 45:

```
SELECT
    strftime('%Y-%m', order_date) AS month,
    SUM(order_total) AS total_revenue,
    COUNT(DISTINCT order_id) AS order_volume
FROM
    orders
GROUP BY
    month
ORDER BY
    month;
```

6. Revenue and Volume for the Year 2024

```

SQL 1*
59 SUM(order_total) AS total_revenue,
60 COUNT(DISTINCT order_id) AS order_volume
61 FROM
62 orders
63 WHERE
64 strftime('%Y', order_date) = '2024'
65 GROUP BY
66 month
67 ORDER BY
68 month;
69
70

```

	month	total_revenue	order_volume
1	2024-01	560423.56	270
2	2024-02	545090.11	252
3	2024-03	543181.85	251
4	2024-04	538754.75	241
5	2024-05	574163.61	263
6	2024-06	539074.85	248
7	2024-07	573111.00	256

```

Execution finished without errors.
Result: 11 rows returned in 16ms
At line 57:
SELECT
    strftime('%Y-%m', order_date) AS month,
    SUM(order_total) AS total_revenue,
    COUNT(DISTINCT order_id) AS order_volume
FROM
    orders
WHERE
    strftime('%Y', order_date) = '2024'
GROUP BY
    month

```