A: Extract Month from order_date

```sql
Limit to 1000 rows
1    -- A: Use EXTRACT(MONTH FROM order_date)
2  • SELECT
3        order_id,
4        order_date,
5        EXTRACT(MONTH FROM order_date) AS month
6    FROM
7        online_sales
8    LIMIT 10;
9
10   -- B: GROUP BY year and month
11 • SELECT
12       EXTRACT(YEAR FROM order_date) AS year,
13       EXTRACT(MONTH FROM order_date) AS month,
14       COUNT(*) AS order_count
15   FROM
16       online sales
```

Result Grid | Filter Rows: | Export: | Wrap

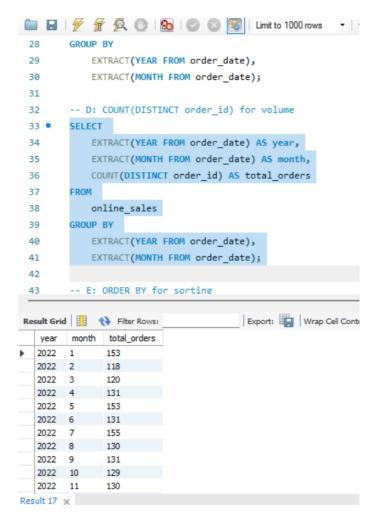| order_id	order_date	month
1	2024-05-10	5
2	2024-12-31	12
3	2024-11-10	11
4	2022-05-02	5
5	2023-04-12	4
6	2022-11-27	11
7	2022-03-29	3
8	2024-05-21	5
9	2022-05-11	5
10	2024-02-09	2

B: Group by Year and Month

```sql
Limit to 1000 ro
7        online_sales
8    LIMIT 10;
9
10   -- B: GROUP BY year and month
11 • SELECT
12       EXTRACT(YEAR FROM order_date) AS year,
13       EXTRACT(MONTH FROM order_date) AS month,
14       COUNT(*) AS order_count
15   FROM
16       online_sales
17   GROUP BY
18       EXTRACT(YEAR FROM order_date),
19       EXTRACT(MONTH FROM order_date);
20
21   -- C: SUM(amount) for revenue
22 • SELECT
```

Result Grid | Filter Rows: | Export: | W

year	month	order_count
2024	5	143
2024	12	136
2024	11	131
2022	5	153
2023	4	135
2022	11	130
2022	3	120
2024	2	126
2022	12	137
2024	3	140
2023	1	150

Result 15 ✕

C: Sum of Revenue by Month

```
19          EXTRACT(MONTH FROM order_date);
20
21      -- C: SUM(amount) for revenue
22 ●    SELECT
23          EXTRACT(YEAR FROM order_date) AS year,
24          EXTRACT(MONTH FROM order_date) AS month,
25          SUM(amount) AS total_revenue
26      FROM
27          online_sales
28      GROUP BY
29          EXTRACT(YEAR FROM order_date),
30          EXTRACT(MONTH FROM order_date);
31
32      -- D: COUNT(DISTINCT order_id) for volume
33 ●    SELECT
34          EXTRACT(YEAR FROM order date) AS year.
```

year	month	total_revenue
2024	5	77274.30
2024	12	62513.34
2024	11	65109.99
2022	5	76302.64
2023	4	68398.41
2022	11	65254.71
2022	3	58294.01
2024	2	66349.81
2022	12	71732.26
2024	3	73988.10
2023	1	73273.55

Result 16

D: Count of Distinct Orders

```
28      GROUP BY
29          EXTRACT(YEAR FROM order_date),
30          EXTRACT(MONTH FROM order_date);
31
32      -- D: COUNT(DISTINCT order_id) for volume
33 ●    SELECT
34          EXTRACT(YEAR FROM order_date) AS year,
35          EXTRACT(MONTH FROM order_date) AS month,
36          COUNT(DISTINCT order_id) AS total_orders
37      FROM
38          online_sales
39      GROUP BY
40          EXTRACT(YEAR FROM order_date),
41          EXTRACT(MONTH FROM order_date);
42
43      -- E: ORDER BY for sorting
```

year	month	total_orders
2022	1	153
2022	2	118
2022	3	120
2022	4	131
2022	5	153
2022	6	131
2022	7	155
2022	8	130
2022	9	131
2022	10	129
2022	11	130

Result 17

E: Order by Year and Month

```sql
43    -- E: ORDER BY for sorting
44 •  SELECT
45        EXTRACT(YEAR FROM order_date) AS year,
46        EXTRACT(MONTH FROM order_date) AS month,
47        SUM(amount) AS total_revenue,
48        COUNT(DISTINCT order_id) AS total_orders
49    FROM
50        online_sales
51    GROUP BY
52        EXTRACT(YEAR FROM order_date),
53        EXTRACT(MONTH FROM order_date)
54    ORDER BY
55        year ASC,
56        month ASC;
57
58    -- F: Limit results to a specific time period (e.g., 2023)
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

year	month	total_revenue	total_orders
2022	1	77426.00	153
2022	2	56152.82	118
2022	3	58294.01	120
2022	4	70322.26	131
2022	5	76302.64	153
2022	6	66360.61	131
2022	7	77127.49	155
2022	8	70485.89	130
2022	9	70379.54	131
2022	10	65375.31	129
2022	11	65254.71	130

Result 18 ×

F: Filter for Specific Time Period (e.g., 2023)

```sql
57
58    -- F: Limit results to a specific time period (e.g., 2023)
59 •  SELECT
60        EXTRACT(YEAR FROM order_date) AS year,
61        EXTRACT(MONTH FROM order_date) AS month,
62        SUM(amount) AS total_revenue,
63        COUNT(DISTINCT order_id) AS total_orders
64    FROM
65        online_sales
66    WHERE
67        order_date BETWEEN '2023-01-01' AND '2023-12-31'
68    GROUP BY
69        EXTRACT(YEAR FROM order_date),
70        EXTRACT(MONTH FROM order_date)
71    ORDER BY
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: IA

year	month	total_revenue	total_orders
2023	1	73273.55	150
2023	2	63086.55	130
2023	3	74145.41	137
2023	4	68398.41	135
2023	5	75518.06	149
2023	6	63188.02	127
2023	7	67939.82	140
2023	8	70257.12	135
2023	9	70744.95	143
2023	10	72394.92	147
2023	11	71619.32	134

Result 19 ×