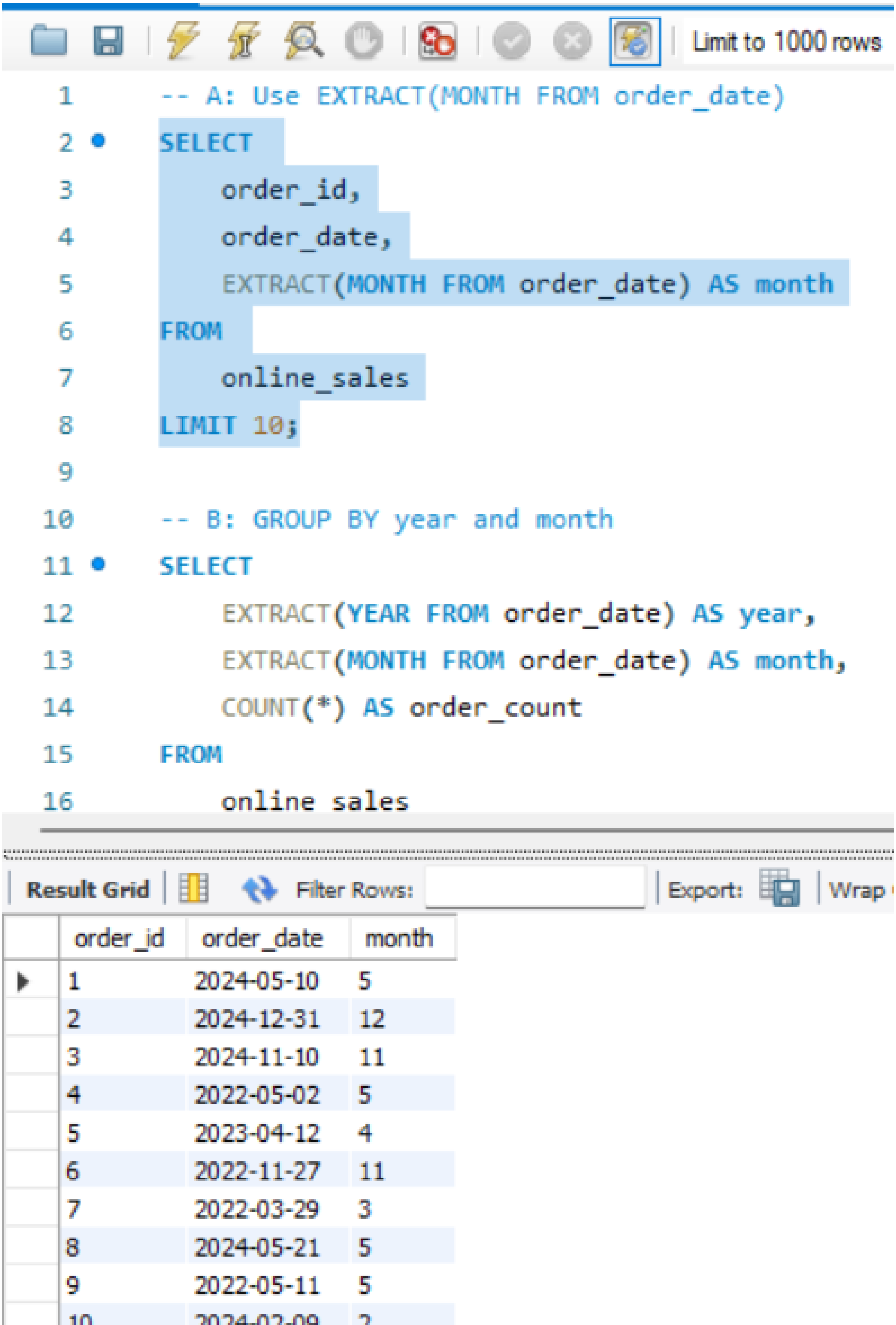
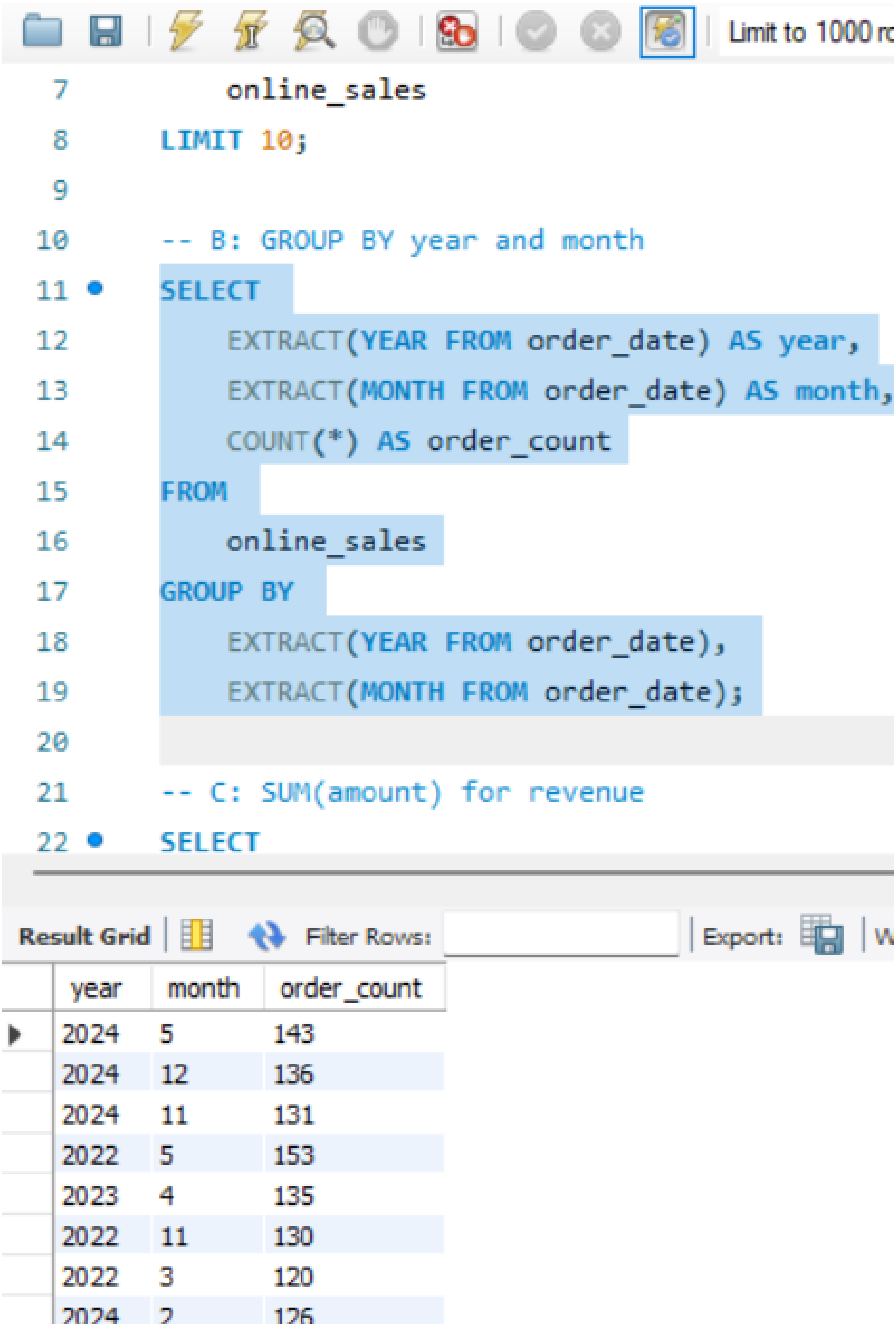
A. Use EXTRACT(MONTH FROM order_date)



```sql
-- A: Use EXTRACT(MONTH FROM order_date)
SELECT
    order_id,
    order_date,
    EXTRACT(MONTH FROM order_date) AS month
FROM
    online_sales
LIMIT 10;

-- B: GROUP BY year and month
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
    EXTRACT(MONTH FROM order_date) AS month,
    COUNT(*) AS order_count
FROM
    online_sales
```

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

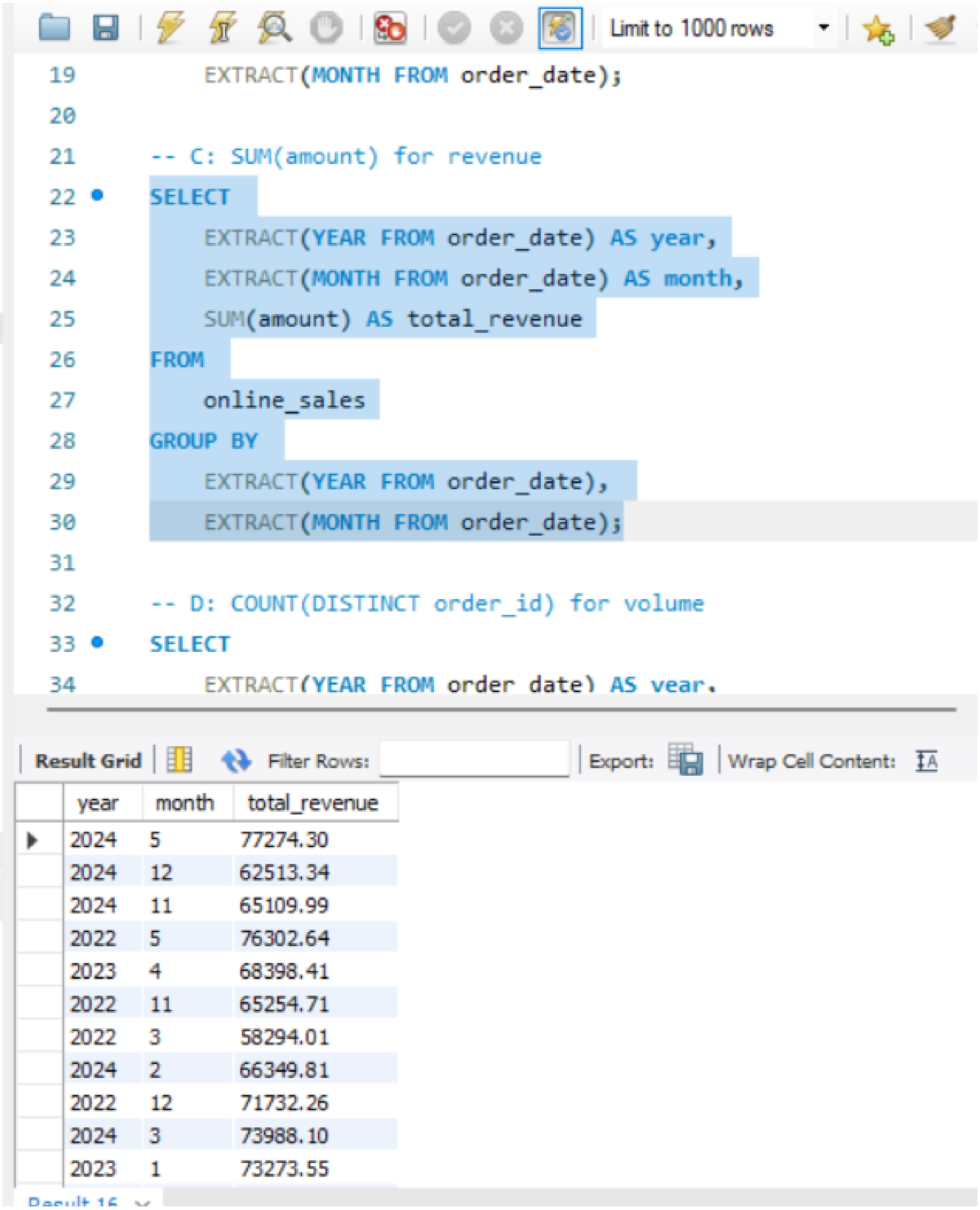
B. GROUP BY year and month



```
    online_sales
LIMIT 10;

-- B: GROUP BY year and month
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
    EXTRACT(MONTH FROM order_date) AS month,
    COUNT(*) AS order_count
FROM
    online_sales
GROUP BY
    EXTRACT(YEAR FROM order_date),
    EXTRACT(MONTH FROM order_date);

-- C: SUM(amount) for revenue
SELECT
```

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

C. SUM(amount) for revenue



Limit to 1000 rows

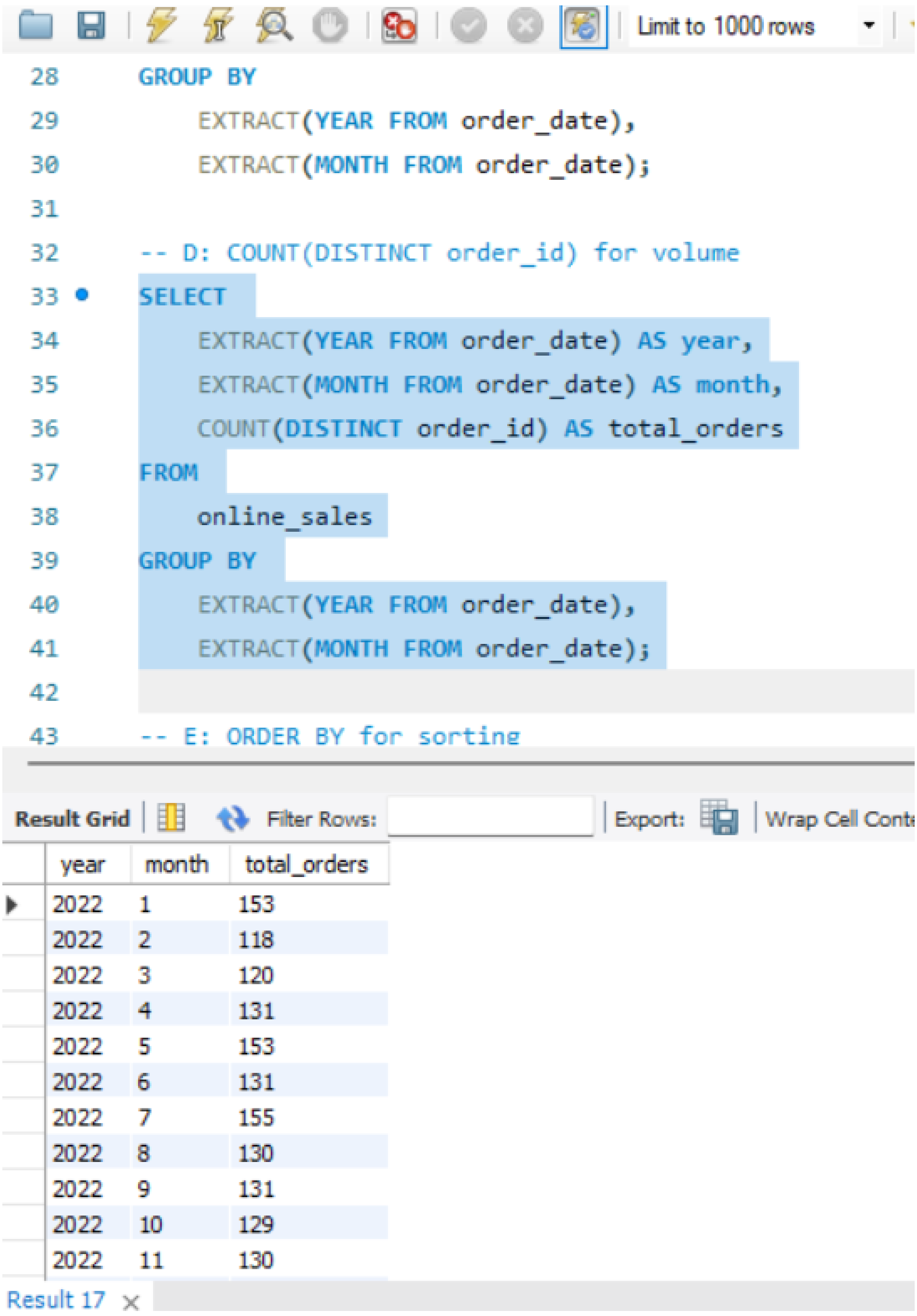
```
    EXTRACT(MONTH FROM order_date);

-- C: SUM(amount) for revenue
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
    EXTRACT(MONTH FROM order_date) AS month,
    SUM(amount) AS total_revenue
FROM
    online_sales
GROUP BY
    EXTRACT(YEAR FROM order_date),
    EXTRACT(MONTH FROM order_date);

-- D: COUNT(DISTINCT order_id) for volume
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
```

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

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(DISTINCT order_id) for volume



Limit to 1000 rows

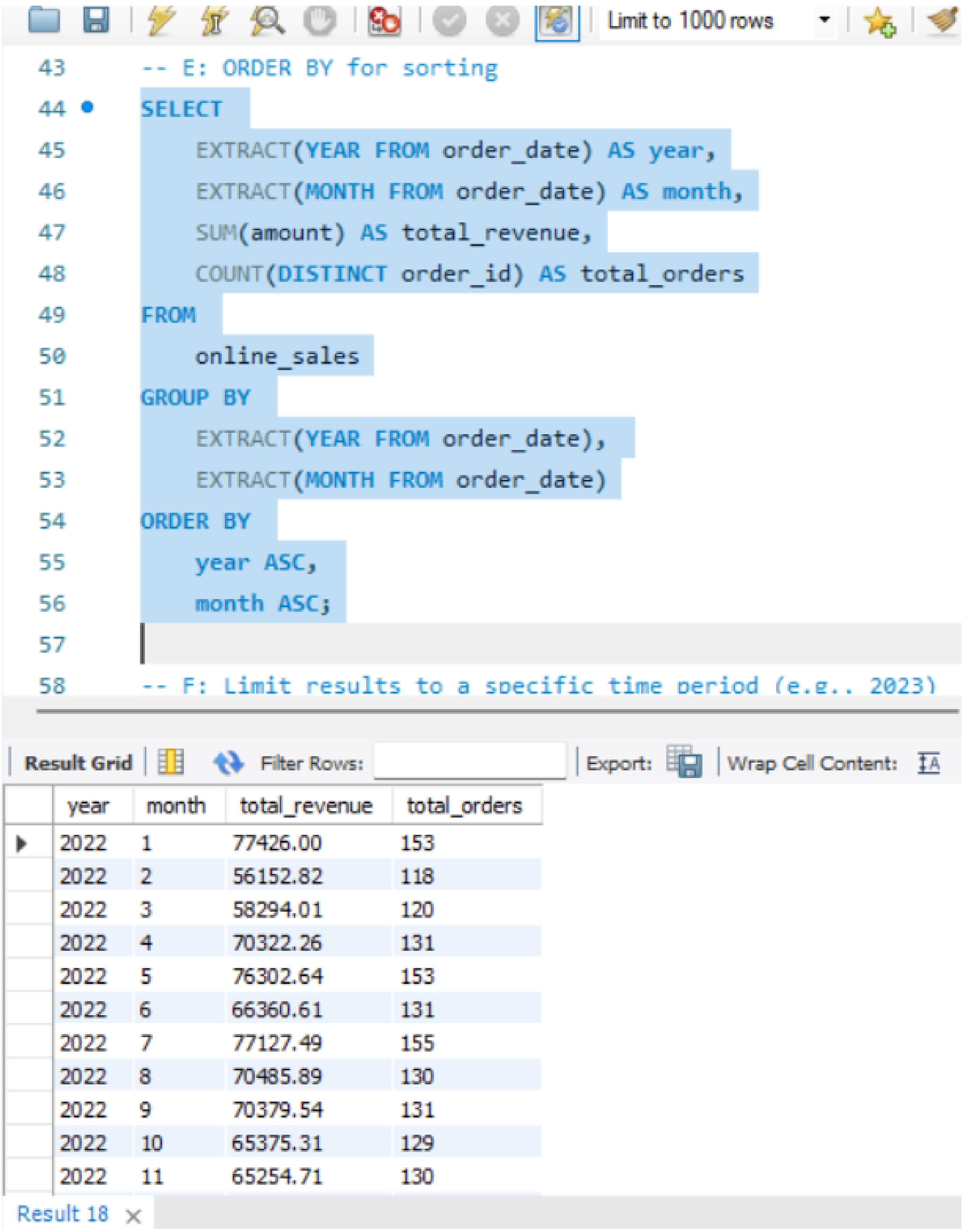
```sql
GROUP BY
    EXTRACT(YEAR FROM order_date),
    EXTRACT(MONTH FROM order_date);

-- D: COUNT(DISTINCT order_id) for volume
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
    EXTRACT(MONTH FROM order_date) AS month,
    COUNT(DISTINCT order_id) AS total_orders
FROM
    online_sales
GROUP BY
    EXTRACT(YEAR FROM order_date),
    EXTRACT(MONTH FROM order_date);

-- E: ORDER BY for sorting
```

Result Grid | Filter Rows: | Export: | Wrap Cell Conte

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 ×

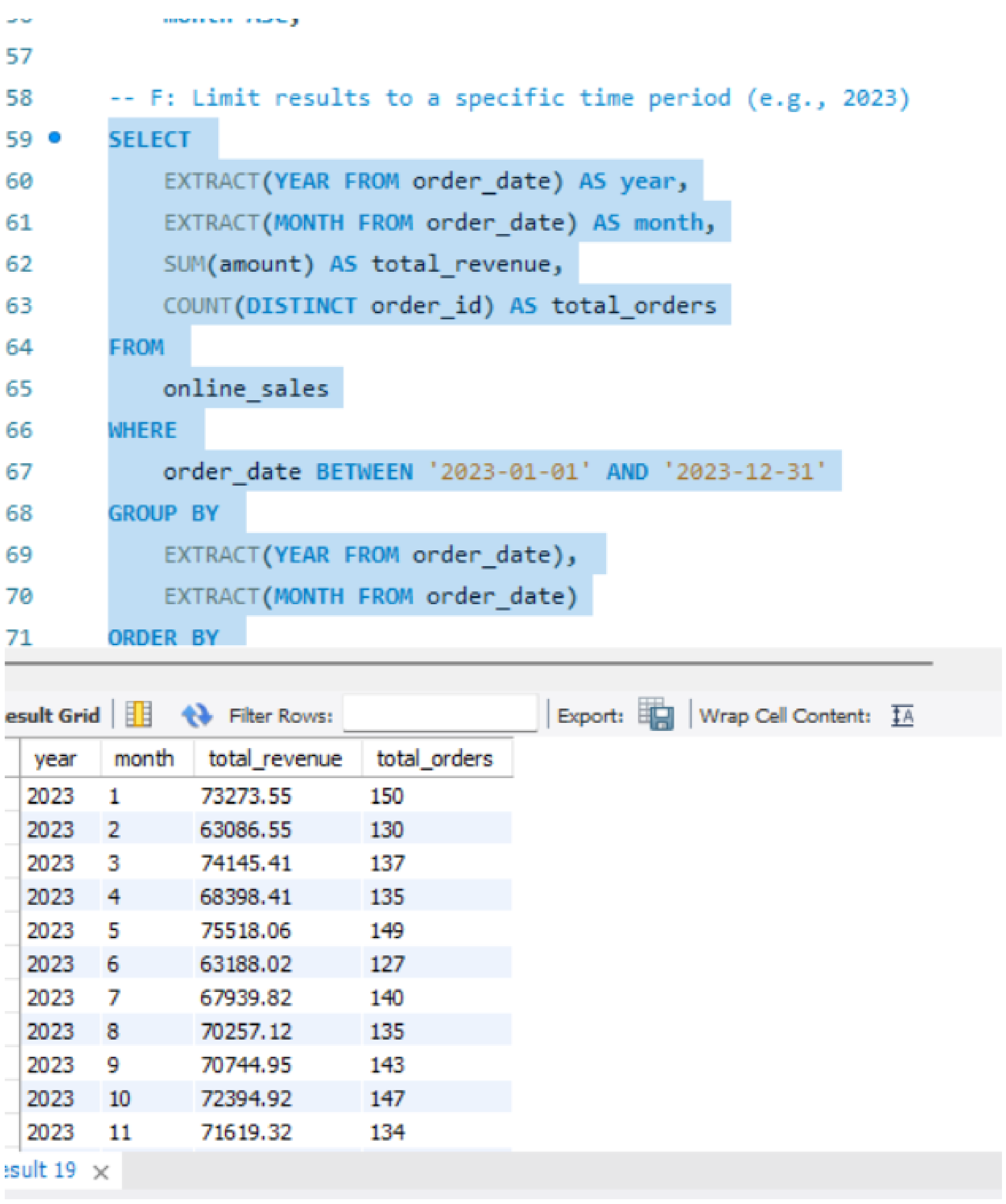
E. ORDER BY for sorting



```
-- E: ORDER BY for sorting
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
    EXTRACT(MONTH FROM order_date) AS month,
    SUM(amount) AS total_revenue,
    COUNT(DISTINCT order_id) AS total_orders
FROM
    online_sales
GROUP BY
    EXTRACT(YEAR FROM order_date),
    EXTRACT(MONTH FROM order_date)
ORDER BY
    year ASC,
    month ASC;

-- F: Limit results to a specific time period (e.g., 2023)
```

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

F. Limit results to a specific time period (e.g., 2023)



```
-- F: Limit results to a specific time period (e.g., 2023)
SELECT
    EXTRACT(YEAR FROM order_date) AS year,
    EXTRACT(MONTH FROM order_date) AS month,
    SUM(amount) AS total_revenue,
    COUNT(DISTINCT order_id) AS total_orders
FROM
    online_sales
WHERE
    order_date BETWEEN '2023-01-01' AND '2023-12-31'
GROUP BY
    EXTRACT(YEAR FROM order_date),
    EXTRACT(MONTH FROM order_date)
ORDER BY
```

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