```
24        -- a. Use EXTRACT(MONTH FROM order_date) for month

25

26 ●      SELECT EXTRACT(MONTH FROM order_date) AS month
27        FROM online_sales;

28        |
```

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

month
9
6
11
11
6
6
3
6
11
9
7
11
4
8
5
3
2
9
3
2
6

Result 5 ✕

```
    -- b. GROUP BY year/month

●   SELECT
        EXTRACT(YEAR FROM order_date) AS year,
        EXTRACT(MONTH FROM order_date) AS month
    FROM online_sales
    GROUP BY year, month;
```

| ult Grid | Filter Rows: | Export: | Wrap Cell |

year	month
2024	12
2025	2
2024	10
2024	5
2024	4
2025	1
2024	6
2024	9
2024	3
2024	7
2024	8
2024	11
2025	3

lt 6 ×

```sql
-- c. Use SUM() for revenue

SELECT
    EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS year,
    EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS month,
    SUM(quantity * price) AS monthly_revenue
FROM online_sales
GROUP BY year, month;
```

year	month	monthly_revenue
2024	12	66331.95
2025	2	41351.49
2024	10	48750.87
2024	5	50664.62
2024	4	40547.16
2025	1	46238.64
2024	6	40861.53
2024	9	54956.94
2024	3	24785.59
2024	7	49765.95
2024	8	64332.35
2024	11	42867.42
2025	3	23494.31

```sql
45
46      -- d. COUNT(DISTINCT order_id) for volume
47
48  •   SELECT
49          EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS year,
50          EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS month,
51          COUNT(DISTINCT order_id) AS order_volume
52      FROM online_sales
53      GROUP BY year, month;
54
```

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

year	month	order_volume
2024	3	33
2024	4	63
2024	5	73
2024	6	57
2024	7	77
2024	8	72
2024	9	70
2024	10	59
2024	11	57
2024	12	81
2025	1	70
2025	2	53
2025	3	34

```sql
-- e. Use ORDER BY for sorting

SELECT
    EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS year,
    EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS month,
    SUM(quantity * price) AS monthly_revenue
FROM online_sales
GROUP BY year, month
ORDER BY monthly_revenue DESC;
```

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

year	month	monthly_revenue
2024	12	66331.95
2024	8	64332.35
2024	9	54956.94
2024	5	50664.62
2024	7	49765.95
2024	10	48750.87
2025	1	46238.64
2024	11	42867.42
2025	2	41351.49
2024	6	40861.53
2024	4	40547.16
2024	3	24785.59
2025	3	23494.31

```sql
-- f. Limit results for specific time periods

SELECT
    EXTRACT(YEAR FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS year,
    EXTRACT(MONTH FROM STR_TO_DATE(order_date, '%Y-%m-%d')) AS month,
    SUM(quantity * price) AS monthly_revenue
FROM online_sales
WHERE STR_TO_DATE(order_date, '%Y-%m-%d')
        BETWEEN '2024-01-01' AND '2024-12-31'
GROUP BY year, month
ORDER BY monthly_revenue DESC
LIMIT 5;
```

year	month	monthly_revenue
2024	12	66331.95
2024	8	64332.35
2024	9	54956.94
2024	5	50664.62
2024	7	49765.95