```
-- a. Use EXTRACT(MONTH FROM order_date) for month
 24
 25
 26 •
        SELECT EXTRACT (MONTH FROM order_date) AS month
        FROM online_sales;
 27
 28
Export: Wrap Cell Content: IA
   month
  6
   11
   11
   6
   6
   3
   6
   11
   9
   7
   11
   4
  8
   5
   3
   2
   9
   3
   2
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;
```

```
alt Grid 📗 💎 Filter Rows:
                                          Export: Wrap Cell
      month
year
2024
      12
2025 2
2024 10
2024
    5
2024 4
2025 1
2024
2024
     9
2024
     3
2024
     7
2024
     8
2024
     11
2025
      3
```

```
-- c. Use SUM() for revenue
7
3
      SELECT
           EXTRACT(YEAR FROM STR TO DATE(order date, '%Y-%m-%d')) AS year,
9
          EXTRACT(MONTH FROM STR TO DATE(order date, '%Y-%m-%d')) AS month,
          SUM(quantity * price) AS monthly revenue
2
      FROM online sales
3
      GROUP BY year, month;
ult Grid
                                         Export: Wrap Cell Content: TA
           Filter Rows:
      month
              monthly_revenue
year
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
             54956.94
      9
2024
      3
             24785.59
2024
      7
             49765.95
2024
             64332.35
      8
2024
           42867.42
      11
2025
      3
             23494.31
```

3

```
45
                                       -- d. COUNT(DISTINCT order id) for volume
46
47
48 •
                                      SELECT
                                                            EXTRACT(YEAR FROM STR TO DATE(order date, '%Y-%m-%d')) AS year,
49
                                                            EXTRACT(MONTH FROM STR TO DATE(order date, '%Y-%m-%d')) AS month,
50
51
                                                            COUNT(DISTINCT order id) AS order_volume
                                       FROM online sales
52
                                       GROUP BY year, month;
53
54
EE
 esult Grid | National Property | State | State
                                                                                                                                                                                                                    Export: Wrap Cell Content: TA
                                         month
                                                                            order_volume
         year
        2024
                                      3
                                                                           33
       2024
                                    4
                                                                          63
       2024
                                     5
                                                                          73
       2024
                                   6
                                                                          57
                                                                          77
       2024
       2024
                                                                          72
       2024
                                      9
                                                                          70
       2024
                                      10
                                                                           59
       2024
                                      11
                                                                           57
       2024
                                      12
                                                                          81
       2025
                                      1
                                                                          70
       2025
                                    2
                                                                          53
       2025
                                     3
                                                                           34
```

```
J++C
        -- e. Use ORDER BY for sorting
55
56
       SELECT
57 •
            EXTRACT(YEAR FROM STR TO DATE(order date, '%Y-%m-%d')) AS year,
58
            EXTRACT (MONTH FROM STR TO DATE (order date, '%Y-%m-%d')) AS month,
59
            SUM(quantity * price) AS monthly revenue
66
51
        FROM online sales
        GROUP BY year, month
52
        ORDER BY monthly revenue DESC;
53
esult Grid | Note: | Note: |
                                           Export: Wrap Cell Content: TA
        month
               monthly_revenue
  vear
 2024
       12
               66331.95
 2024
               64332,35
       8
 2024
               54956.94
 2024
       5
               50664.62
 2024
               49765.95
       7
 2024
       10
               48750.87
 2025
       1
               46238.64
 2024
       11
               42867.42
 2025
       2
               41351.49
 2024
       6
               40861.53
 2024
               40547.16
       4
 2024
               24785.59
       3
 2025
       3
               23494.31
```

```
-- f. Limit results for specific time periods
 65
66
67 •
        SELECT
            EXTRACT (YEAR FROM STR TO DATE (order date, '%Y-%m-%d')) AS year,
68
69
            EXTRACT(MONTH FROM STR TO DATE(order date, '%Y-%m-%d')) AS month,
            SUM(quantity * price) AS monthly revenue
70
71
        FROM online sales
        WHERE STR TO DATE(order date, '%Y-%m-%d')
72
               BETWEEN '2024-01-01' AND '2024-12-31'
73
74
        GROUP BY year, month
        ORDER BY monthly revenue DESC
75
        LIMIT 5;
76
 77
Result Grid
              Filter Rows:
                                          Export: Wrap Cell Content: A Fetch rows:
                monthly_revenue
         month
   year
  2024
        12
               66331.95
  2024
               64332.35
               54956.94
  2024
  2024
               50664.62
  2024
       7
               49765.95
```