

Task -06

- Using EXTRACT(MONTH FROM order_date) for month.
- GROUP BY year/month.
- Using SUM() for revenue.
- using COUNT(DISTINCT order_id) for volume.
- Using ORDER BY for sorting.

The screenshot shows a SQL IDE interface with a query editor and a result grid. The query is as follows:

```
34 --limit results for specific time periods.
35 SELECT
36     EXTRACT(YEAR FROM Date) AS year,
37     EXTRACT(MONTH FROM Date) AS month,
38     SUM(amount) AS amount,
39     COUNT(DISTINCT orderid) AS volume
40 FROM
41     onlinesales
42 WHERE
43     EXTRACT(YEAR FROM Date) = 2024
44 GROUP BY
45     EXTRACT(YEAR FROM Date),
46     EXTRACT(MONTH FROM Date)
47 ORDER BY
48     year, month;
```

The result grid displays the following data:

year	month	amount	volume
2024	1	14548.32	31
2024	2	10803.37	29
2024	3	12849.24	31
2024	4	12451.69	30
2024	5	8455.49	31
2024	6	7384.55	30
2024	7	6797.08	31
2024	8	7278.11	27

The screenshot shows a SQL IDE interface with a query editor and a result grid. The query is as follows:

```
23 --GROUP BY year/month.
24 --Use SUM() for revenue
25 --Use ORDER BY for sorting
26
27 SELECT
28     EXTRACT(YEAR FROM Date) AS year,
29     EXTRACT(MONTH FROM Date) AS month,
30     SUM(amount) AS "TotalRevenue"
31 FROM
32     onlinesales
33 GROUP BY
34     EXTRACT(YEAR FROM Date),
35     EXTRACT(MONTH FROM Date)
36 ORDER BY
37     year, month;
```

The result grid displays the following data:

year	month	TotalRevenue
2024	1	14548.32
2024	2	10803.37
2024	3	12849.24
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SCHEMAS

Filter objects

- ecommerce
 - Tables
 - ecom
 - onlinesales
 - Columns
 - Transaction ID
 - Date
 - Product Category
 - Product Name
 - Units Sold
 - Unit Price
 - Total Revenue
 - Region
 - Payment Method

Information

Column: Total Revenue

Definition:

Total Revenue double

Result Grid

volume
240

```
--count(distinctorderid) for volume

select COUNT(DISTINCTorderid) AS volume From onlinesales;
```

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Navigator

Query 1

SCHEMAS

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- ecommerce
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 - Columns
 - Transaction ID
 - Date
 - Product Category
 - Product Name
 - Units Sold
 - Unit Price
 - Total Revenue
 - Region
 - Payment Method

```
--GROUP BY year/month.
--Use SUM() for revenue
--Use ORDER BY for sorting

SELECT
    EXTRACT(YEAR FROM Date) AS year,
    EXTRACT(MONTH FROM Date) AS month,
    SUM(amount) AS "Totalrevenue"
FROM
    onlinesales
GROUP BY
    EXTRACT(YEAR FROM Date),
    EXTRACT(MONTH FROM Date)
ORDER BY
    year, month;
```