

## Results of data insertion

```
30
31 select * from sales_data
32
```

Data Output Messages Notifications

	sale_id [PK] integer	product_id integer	region_id integer	salesperson_id integer	sale_amount numeric	sale_date [PK] date
1	1	1	2	1	516	2023-05-24
2	2	2	3	6	748	2023-05-07
3	22	6	6	1	792	2023-05-11
4	29	1	4	4	535	2023-05-22
5	30	6	10	3	850	2023-05-03
6	33	2	2	4	360	2023-05-01

Total rows: 1000 of 1000      Query complete 00:00:00.153

### Results of the queries executed

Query

Query History

```

1  --Retrieve all sales in a specific month(may)
2  SELECT *
3  FROM sales_data
4  WHERE sale_date BETWEEN '2023-05-01' AND '2023-05-31';
5

```

Data Output

Messages

Notifications

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	sale_id [PK] integer	product_id integer	region_id integer	salesperson_id integer	sale_amount numeric	sale_date [PK] date
1	1	1	2	1	516	2023-05-24
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4	29	1	4	4	535	2023-05-22
5	30	6	10	3	850	2023-05-03
6	33	2	2	4	360	2023-05-01
7	44	8	10	2	576	2023-05-23
8	61	8	10	3	1036	2023-05-12
9	76	2	10	4	252	2023-05-13
10	101	7	5	4	693	2023-05-27
11	118	7	5	6	599	2023-05-24
12	123	1	5	3	64	2023-05-02
13	152	2	7	1	359	2023-05-19
14	164	8	7	1	72	2023-05-28
15	168	8	1	1	781	2023-05-22
16	169	8	2	2	392	2023-05-07
17	173	8	6	2	366	2023-05-31
18	180	4	10	3	92	2023-05-10

Total rows: 105 of 105

Query complete 00:00:00.114

```
5
6 -- Calculate the total sale_amount for each month
7 SELECT EXTRACT(YEAR FROM sale_date) AS year, EXTRACT(MONTH FROM sale_date) AS month, SUM(sale_amount) AS total_sales
8 FROM sales_data
9 GROUP BY EXTRACT(YEAR FROM sale_date), EXTRACT(MONTH FROM sale_date)
10 ORDER BY year, month;
11
12
```

Data Output Messages Notifications

	year numeric	month numeric	total_sales numeric
1	2023	5	57202
2	2023	6	54398
3	2023	7	49095
4	2023	8	47491
5	2023	9	39181
6	2023	10	41467
7	2023	11	40546
8	2023	12	44136
9	2024	1	45471
10	2024	2	32486
11	2024	3	40880
12	2024	4	39737

Total rows: 12 of 12 Query complete 00:00:00.059 Ln 12, Co

```
16 --Identify the top three salesperson_id values by sale_amount within a specific region (2) across all partitions
17 SELECT salesperson_id, SUM(sale_amount) AS total_sales
18 FROM sales_data
19 WHERE region_id = '2'
20 GROUP BY salesperson_id
21 ORDER BY total_sales DESC
22 LIMIT 3;
23
```

Data Output Messages Notifications

	salesperson_id integer	total_sales numeric
1	4	10473
2	3	9806
3	1	8229

Total rows: 3 of 3 Query complete 00:00:00.058 Ln 14,