

Online_sales:-

The screenshot shows a PostgreSQL IDE window titled 'online_sales/postgres@PostgreSQL 17'. The 'Query' tab is active, displaying the following SQL script:

```
1  -- online_sales
2  CREATE TABLE online_sales (
3      order_id INT PRIMARY KEY,
4      order_date DATE,
5      amount NUMERIC(10,2),
6      product_id VARCHAR(10)
7  );
8  -- Insert data
9  INSERT INTO online_sales (order_id, order_date, amount, product_id) VALUES ...
30
31 select * from online_sales;
32
```

The 'Data Output' tab is also active, showing the results of the query. The table has 7 rows and 4 columns: order_id (integer), order_date (date), amount (numeric), and product_id (character varying). The data is as follows:

	order_id [PK] integer	order_date date	amount numeric (10,2)	product_id character varying (10)
1	101	2024-01-05	120.50	P001
2	102	2024-01-15	250.00	P002
3	103	2024-02-10	75.00	P001
4	104	2024-02-12	150.00	P003
5	105	2024-03-02	300.00	P004
6	106	2024-03-05	180.00	P002
7	107	2024-04-15	220.00	P003

The status bar at the bottom indicates 'Total rows: 20', 'Query complete 00:00:00.405', and 'Ln 42, Col 1'.

Query of sum,count ,extracts ,group by , order by

The screenshot shows a PostgreSQL IDE window titled 'online_sales/postgres@PostgreSQL 17'. The 'Query' tab is active, displaying the following SQL script:

```
32 -- Aggregation query: Monthly Revenue & Order Volume
33 SELECT
34     EXTRACT(YEAR FROM order_date) AS year,
35     EXTRACT(MONTH FROM order_date) AS month,
36     SUM(amount) AS total_revenue,
37     COUNT(DISTINCT order_id) AS total_orders
38 FROM online_sales
39 GROUP BY year, month
40 ORDER BY year, month;
```

The 'Data Output' tab is also active, showing the results of the query. The table has 10 rows and 4 columns: year (numeric), month (numeric), total_revenue (numeric), and total_orders (bigint). The data is as follows:

	year numeric	month numeric	total_revenue numeric	total_orders bigint
1	2024	1	370.50	2
2	2024	2	225.00	2
3	2024	3	480.00	2
4	2024	4	310.00	2
5	2024	5	570.00	2
6	2024	6	550.00	2
7	2024	7	370.00	2
8	2024	8	280.00	2
9	2024	9	390.00	2
10	2024	10	720.00	2

The status bar at the bottom indicates 'Total rows: 10', 'Query complete 00:00:00.133', and 'Ln 31, Col 28'.