

```
mysql> use sales;
Database changed
mysql> CREATE TABLE online_sales (
->     order_id INT,
->     order_date DATE,
->     amount DECIMAL(10,2),
->     product_id INT
-> );
Query OK, 0 rows affected (0.10 sec)
```

```
mysql> desc online_sales;
```

Field	Type	Null	Key	Default	Extra
order_id	int	YES		NULL	
order_date	date	YES		NULL	
amount	decimal(10,2)	YES		NULL	
product_id	int	YES		NULL	

```
4 rows in set (0.05 sec)
```

```
mysql> INSERT INTO online_sales (order_id, order_date, amount, product_id) VALUES
-> (1, '2023-01-05', 250.00, 101),
-> (2, '2023-01-15', 180.00, 102),
-> (3, '2023-02-02', 300.00, 103),
-> (4, '2023-02-20', 120.00, 101),
-> (5, '2023-03-12', 500.00, 104),
-> (6, '2023-03-25', 200.00, 102),
-> (7, '2023-03-30', 150.00, 105),
-> (8, '2023-04-10', 400.00, 106),
-> (9, '2023-04-18', 220.00, 107);
Query OK, 9 rows affected (0.01 sec)
Records: 9  Duplicates: 0  Warnings: 0
```

```
mysql> select * from online_sales;
```

order_id	order_date	amount	product_id
1	2023-01-05	250.00	101
2	2023-01-15	180.00	102
3	2023-02-02	300.00	103

```
-> (8, '2023-04-10', 400.00, 106),  
-> (9, '2023-04-18', 220.00, 107);
```

Query OK, 9 rows affected (0.01 sec)

Records: 9 Duplicates: 0 Warnings: 0

mysql> select \* from online\_sales;

order_id	order_date	amount	product_id
1	2023-01-05	250.00	101
2	2023-01-15	180.00	102
3	2023-02-02	300.00	103
4	2023-02-20	120.00	101
5	2023-03-12	500.00	104
6	2023-03-25	200.00	102
7	2023-03-30	150.00	105
8	2023-04-10	400.00	106
9	2023-04-18	220.00	107

9 rows in set (0.01 sec)

mysql> SELECT

```
->     EXTRACT(YEAR FROM order_date) AS year,  
->     EXTRACT(MONTH FROM order_date) AS month,  
->     SUM(amount) AS total_revenue,           -- SUM() for revenue  
->     COUNT(DISTINCT order_id) AS total_orders -- COUNT(DISTINCT) for volume  
-> FROM online_sales  
-> WHERE order_date >= '2023-01-01' AND order_date < '2024-01-01' -- Limit results  
-> GROUP BY EXTRACT(YEAR FROM order_date), EXTRACT(MONTH FROM order_date)  
-> ORDER BY year ASC, month ASC;              -- ORDER BY for sorting
```

year	month	total_revenue	total_orders
2023	1	430.00	2
2023	2	420.00	2
2023	3	850.00	3
2023	4	620.00	2

4 rows in set (0.03 sec)

mysql> |