

-- Create the database

```
CREATE DATABASE elivate;
```

-- Use the database

```
USE elivate;
```

-- Create the orders table CREATE TABLE

```
orders (  order_id INT IDENTITY(1,1)
```

```
PRIMARY KEY,  order_date DATE,
```

```
amount DECIMAL(10, 2),  product_id
```

```
VARCHAR(10)
```

```
);
```

-- Insert sample data

```
INSERT INTO orders (order_date, amount, product_id) VALUES
```

```
('2025-04-01', 120.50, 'P001'),
```

```
('2025-04-02', 250.00, 'P002'),
```

```
('2025-04-02', 95.00, 'P003'),
```

```
('2025-04-03', 180.75, 'P001'),
```

```
('2025-04-04', 340.10, 'P004'),
```

```
('2025-04-05', 150.00, 'P002'),
```

```
('2025-04-06', 80.00, 'P005'),
```

```
('2025-04-06', 220.00, 'P001'),
```

```
('2025-04-07', 300.00, 'P003'),
```

```
('2025-04-08', 199.99, 'P004');
```

```
select * from orders
```

Results		Messages		
	order_id	order_date	amount	product_id
1	1	2025-04-01	120.50	P001
2	2	2025-04-02	250.00	P002
3	3	2025-04-02	95.00	P003
4	4	2025-04-03	180.75	P001
5	5	2025-04-04	340.10	P004
6	6	2025-04-05	150.00	P002
7	7	2025-04-06	80.00	P005
8	8	2025-04-06	220.00	P001
9	9	2025-04-07	300.00	P003
10	10	2025-04-08	199.99	P004

SELECT

MONTH (order\_date) AS order\_month,

SUM(amount) AS total\_sales FROM

orders

GROUP BY

MONTH (order\_date) ORDER

BY

order\_month;

Results		Messages	
	order_month	total_sales	
1	4	1936.34	

SELECT

YEAR (order\_date) AS order\_year,

MONTH (order\_date) AS order\_month,

SUM(amount) AS total\_sales FROM

orders

GROUP BY

YEAR (order\_date),

MONTH (order\_date)

ORDER BY order\_year,

order\_month;

	order_year	order_month	total_sales
1	2025	4	1936.34

```

SELECT
FORMAT(order_date, 'yyyy-MM') AS year_month,
SUM(amount) AS revenue FROM
orders
GROUP BY
FORMAT(order_date, 'yyyy-MM') ORDER
BY
year_month;

```

Results Messages		
	year_month	revenue
1	2025-04	1936.34

```

SELECT
FORMAT(order_date, 'yyyy-MM') AS year_month,
SUM(amount) AS revenue,
COUNT(DISTINCT order_id) AS volume
FROM
orders
GROUP BY
FORMAT(order_date, 'yyyy-MM') ORDER
BY
year_month;

```

Results Messages			
	year_month	revenue	volume
1	2025-04	1936.34	10

```

SELECT
FORMAT(order_date, 'yyyy-MM') AS year_month,
SUM(amount) AS revenue,

```

```

COUNT(DISTINCT order_id) AS volume
FROM
    orders
GROUP BY
    FORMAT(order_date, 'yyyy-MM') ORDER
BY
    year_month ASC;

```

Results		Messages	
	year_month	revenue	volume
1	2025-04	1936.34	10

```

SELECT
    FORMAT(order_date, 'yyyy-MM') AS year_month,
    SUM(amount) AS revenue,
    COUNT(DISTINCT order_id) AS volume
FROM
    orders
WHERE    order_date BETWEEN '2025-04-01' AND
'2025-04-30'
GROUP BY
    FORMAT(order_date, 'yyyy-MM')
ORDER BY
    year_month;

```

Results		Messages	
	year_month	revenue	volume
1	2025-04	1936.34	10