

```

-> YEAR(order_date) AS order_year,
-> MONTH(order_date) AS order_month,
-> SUM(amount) AS total_revenue,
-> COUNT(DISTINCT order_id) AS total_orders
-> FROM online_sales
-> WHERE order_date BETWEEN '2023-01-01' AND '2023-06-30'
-> GROUP BY
-> YEAR(order_date),
-> MONTH(order_date)
-> ORDER BY
-> order_year,
-> order_month;

```

order_year	order_month	total_revenue	total_orders
2023	1	370.50	2
2023	2	409.99	2
2023	3	530.25	2
2023	4	520.00	2
2023	5	650.75	2
2023	6	560.00	2

rows in set (0.00 sec)

```

mysql> mysqldump -u root -p onlinesales > full_database.sql
-> ;

```

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version

Microsoft Windows [Version 10.0.26100.4946]  
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C:\Users\ASUS>mysql -u root -p  
Enter password: \*\*\*\*  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 14  
Server version: 8.0.43 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database onlinesales;  
Query OK, 1 row affected (0.01 sec)

mysql> use onlinesales;  
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 (0.04 sec)

mysql> INSERT INTO online\_sales (order\_id, order\_date, amount, product\_id) VALUES  
-> (1001, '2023-01-05', 120.50, 1),  
-> (1002, '2023-01-15', 250.00, 2),  
-> (1003, '2023-02-02', 99.99, 3),  
-> (1004, '2023-02-18', 310.00, 2),  
-> (1005, '2023-03-12', 450.25, 1),  
-> (1006, '2023-03-29', 80.00, 3),  
-> (1007, '2023-04-05', 200.00, 2),  
-> (1008, '2023-04-19', 320.00, 1),  
-> (1009, '2023-05-03', 150.75, 4),  
-> (1010, '2023-05-22', 500.00, 2),

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Command Prompt
-> );
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO online_sales (order_id, order_date, amount, product_id) VALUES
-> (1001, '2023-01-05', 120.50, 1),
-> (1002, '2023-01-15', 250.00, 2),
-> (1003, '2023-02-02', 99.99, 3),
-> (1004, '2023-02-18', 310.00, 2),
-> (1005, '2023-03-12', 450.25, 1),
-> (1006, '2023-03-29', 80.00, 3),
-> (1007, '2023-04-05', 200.00, 2),
-> (1008, '2023-04-19', 320.00, 1),
-> (1009, '2023-05-03', 150.75, 4),
-> (1010, '2023-05-22', 500.00, 2),
-> (1011, '2023-06-07', 220.00, 3),
-> (1012, '2023-06-29', 340.00, 1),
-> (1013, '2023-07-11', 175.50, 4),
-> (1014, '2023-07-25', 410.00, 3),
-> (1015, '2023-08-04', 300.00, 1),
-> (1016, '2023-08-21', 520.00, 2),
-> (1017, '2023-09-09', 280.00, 4),
-> (1018, '2023-09-26', 600.00, 1),
-> (1019, '2023-10-15', 255.00, 2),
-> (1020, '2023-10-28', 400.00, 3),
-> (1021, '2023-11-06', 320.00, 4),
-> (1022, '2023-11-19', 540.00, 1),
-> (1023, '2023-12-02', 275.00, 2),
-> (1024, '2023-12-17', 650.00, 3);
Query OK, 24 rows affected (0.03 sec)
Records: 24  Duplicates: 0  Warnings: 0

mysql> select * from online_sales;
```

order_id	order_date	amount	product_id
1001	2023-01-05	120.50	1
1002	2023-01-15	250.00	2
1003	2023-02-02	99.99	3
1004	2023-02-18	310.00	2
1005	2023-03-12	450.25	1
1006	2023-03-29	80.00	3

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+ - v
| 1007 | 2023-04-05 | 200.00 | 2 |
| 1008 | 2023-04-19 | 320.00 | 1 |
| 1009 | 2023-05-03 | 150.75 | 4 |
| 1010 | 2023-05-22 | 500.00 | 2 |
| 1011 | 2023-06-07 | 220.00 | 3 |
| 1012 | 2023-06-29 | 340.00 | 1 |
| 1013 | 2023-07-11 | 175.50 | 4 |
| 1014 | 2023-07-25 | 410.00 | 3 |
| 1015 | 2023-08-04 | 300.00 | 1 |
| 1016 | 2023-08-21 | 520.00 | 2 |
| 1017 | 2023-09-09 | 280.00 | 4 |
| 1018 | 2023-09-26 | 600.00 | 1 |
| 1019 | 2023-10-15 | 255.00 | 2 |
| 1020 | 2023-10-28 | 400.00 | 3 |
| 1021 | 2023-11-06 | 320.00 | 4 |
| 1022 | 2023-11-19 | 540.00 | 1 |
| 1023 | 2023-12-02 | 275.00 | 2 |
| 1024 | 2023-12-17 | 650.00 | 3 |
+-----+-----+-----+
24 rows in set (0.00 sec)

mysql> SELECT
->     order_id,
->     order_date,
->     EXTRACT(MONTH FROM order_date) AS order_month
-> FROM online_sales;
+-----+-----+-----+
| order_id | order_date | order_month |
+-----+-----+-----+
| 1001 | 2023-01-05 | 1 |
| 1002 | 2023-01-15 | 1 |
| 1003 | 2023-02-02 | 2 |
| 1004 | 2023-02-18 | 2 |
| 1005 | 2023-03-12 | 3 |
| 1006 | 2023-03-29 | 3 |
| 1007 | 2023-04-05 | 4 |
| 1008 | 2023-04-19 | 4 |
| 1009 | 2023-05-03 | 5 |
| 1010 | 2023-05-22 | 5 |
| 1011 | 2023-06-07 | 6 |
| 1012 | 2023-06-29 | 6 |
```

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1013	2023-07-11	7
1014	2023-07-25	7
1015	2023-08-04	8
1016	2023-08-21	8
1017	2023-09-09	9
1018	2023-09-26	9
1019	2023-10-15	10
1020	2023-10-28	10
1021	2023-11-06	11
1022	2023-11-19	11
1023	2023-12-02	12
1024	2023-12-17	12

24 rows in set (0.01 sec)

```
mysql> SELECT
-> YEAR(order_date) AS order_year,
-> MONTH(order_date) AS order_month,
-> COUNT(*) AS total_records
-> FROM online_sales
-> GROUP BY
-> YEAR(order_date),
-> MONTH(order_date);
```

order_year	order_month	total_records
2023	1	2
2023	2	2
2023	3	2
2023	4	2
2023	5	2
2023	6	2
2023	7	2
2023	8	2
2023	9	2
2023	10	2
2023	11	2
2023	12	2

12 rows in set (0.01 sec)

```
Command Prompt
mysql> SELECT
-> YEAR(order_date) AS order_year,
-> MONTH(order_date) AS order_month,
-> SUM(amount) AS total_revenue
-> FROM online_sales
-> GROUP BY
-> YEAR(order_date),
-> MONTH(order_date);
```

order_year	order_month	total_revenue
2023	1	370.50
2023	2	409.99
2023	3	530.25
2023	4	520.00
2023	5	650.75
2023	6	560.00
2023	7	585.50
2023	8	820.00
2023	9	880.00
2023	10	655.00
2023	11	860.00
2023	12	925.00

12 rows in set (0.00 sec)

```
mysql> SELECT
-> YEAR(order_date) AS order_year,
-> MONTH(order_date) AS order_month,
-> COUNT(DISTINCT order_id) AS total_orders
-> FROM online_sales
-> GROUP BY
-> YEAR(order_date),
-> MONTH(order_date);
```

order_year	order_month	total_orders
2023	1	2
2023	2	2
2023	3	2

```
Command Prompt
+-----+
| 2023 | 4 | 2 |
| 2023 | 5 | 2 |
| 2023 | 6 | 2 |
| 2023 | 7 | 2 |
| 2023 | 8 | 2 |
| 2023 | 9 | 2 |
| 2023 | 10 | 2 |
| 2023 | 11 | 2 |
| 2023 | 12 | 2 |
+-----+
12 rows in set (0.01 sec)

mysql> SELECT
-> YEAR(order_date) AS order_year,
-> MONTH(order_date) AS order_month,
-> SUM(amount) AS total_revenue,
-> COUNT(DISTINCT order_id) AS total_orders
-> FROM online_sales
-> GROUP BY
-> YEAR(order_date),
-> MONTH(order_date)
-> ORDER BY
-> order_year,
-> order_month;
+-----+-----+-----+-----+
| order_year | order_month | total_revenue | total_orders |
+-----+-----+-----+-----+
| 2023 | 1 | 370.50 | 2 |
| 2023 | 2 | 409.99 | 2 |
| 2023 | 3 | 530.25 | 2 |
| 2023 | 4 | 520.00 | 2 |
| 2023 | 5 | 650.75 | 2 |
| 2023 | 6 | 560.00 | 2 |
| 2023 | 7 | 585.50 | 2 |
| 2023 | 8 | 820.00 | 2 |
| 2023 | 9 | 880.00 | 2 |
| 2023 | 10 | 655.00 | 2 |
| 2023 | 11 | 860.00 | 2 |
| 2023 | 12 | 925.00 | 2 |
+-----+-----+-----+-----+
12 rows in set (0.00 sec)
```

```
Command Prompt
mysql> SELECT
-> YEAR(order_date) AS order_year,
-> MONTH(order_date) AS order_month,
-> SUM(amount) AS total_revenue,
-> COUNT(DISTINCT order_id) AS total_orders
-> FROM online_sales
-> WHERE order_date BETWEEN '2023-01-01' AND '2023-06-30'
-> GROUP BY
-> YEAR(order_date),
-> MONTH(order_date)
-> ORDER BY
-> order_year,
-> order_month;
```

order_year	order_month	total_revenue	total_orders
2023	1	370.50	2
2023	2	409.99	2
2023	3	530.25	2
2023	4	520.00	2
2023	5	650.75	2
2023	6	560.00	2

6 rows in set (0.00 sec)