

Last login: Mon Apr 6 01:47:01 on tty000  
Serhiis-MacBook-Pro:~ serhiis\$ mysql -u root -p  
Enter password:  
Welcome to the MySQL monitor. Commands end with ; or \g.  
Your MySQL connection id is 18  
Server version: 8.0.19 MySQL Community Server - GPL

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

```
mysql>
mysql>
mysql> show databases;
+-----+
| Database |
+-----+
| book_shop |
| cat_app |
| information_schema |
| mysql |
| performance_schema |
| shirts_db |
| soap_store |
| sys |
+-----+
8 rows in set (0.05 sec)
```

```
mysql> SELECT DB_NAME();
ERROR 1046 (3D000): No database selected
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| NULL |
+-----+
1 row in set (0.00 sec)
```

```
mysql>
mysql>
mysql> CREATE DATABASE relationships;
Query OK, 1 row affected (0.02 sec)
```

```
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| NULL |
+-----+
1 row in set (0.00 sec)
```

```
mysql> USE relationships;
Database changed
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| relationships |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT DB_NAME();
ERROR 1305 (42000): FUNCTION relationships.DB_NAME does not exist
mysql>
mysql>
mysql> CREATE DATABASE customers_and_orders;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> USE customers_and_orders;
Database changed
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| customers_and_orders |
+-----+
1 row in set (0.00 sec)
```

```
mysql> DROP DATABASE relationships;
Query OK, 0 rows affected (0.01 sec)
```

```
mysql>
mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| book_shop |
| cat_app |
| customers_and_orders |
| information_schema |
| mysql |
| performance_schema |
| shirts_db |
| soap_store |
| sys |
+-----+
9 rows in set (0.00 sec)
```

```
mysql>
mysql>
mysql>
mysql> CREATE TABLE customers(
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> first_name VARCHAR(100),
-> last_name VARCHAR(100),
-> email VARCHAR(100)
-> );
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> CREATE TABLE orders(
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> order_date DATE,
-> amount DECIMAL(8,2),
-> customer_id INT,
-> FOREIGN KEY(customer_id) REFERENCES customers(id)
-> );
Query OK, 0 rows affected (0.02 sec)
```

```
mysql>
mysql> INSERT INTO customers (first_name, last_name, email)
-> VALUES ('Boy', 'George', 'george@gmail.com'),
-> ('George', 'Michael', 'gm@gmail.com'),
-> ('David', 'Bowie', 'david@gmail.com'),
-> ('Blue', 'Steele', 'blue@gmail.com'),
-> ('Bette', 'Davis', 'bette@aol.com');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql>
mysql> INSERT INTO orders (order_date, amount, customer_id)
-> VALUES ('2016/02/10', 99.99, 1),
-> ('2017/11/11', 35.50, 1),
-> ('2014/12/12', 800.67, 2),
-> ('2015/01/03', 12.50, 2),
-> ('1999/04/11', 450.25, 5);
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql>
mysql> INSERT INTO orders (order_date, amount, customer_id)
-> VALUES ('2016/06/06', 33.67, 90);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('customers_and_orders'.`orders`, CONSTRAINT `orders_ibfk_1` FOREIGN KEY (`customer_id`) REFERENCES `customers` (`id`))
```

```
mysql>
mysql>
mysql>
mysql> SELECT id FROM customers WHERE last_name='George';
+-----+
| id |
+-----+
| 1 |
+-----+
1 row in set (0.00 sec)
```

```
mysql> SELECT * FROM orders WHERE customer_id = 1;
+-----+
| id | order_date | amount | customer_id |
+-----+
| 1 | 2016-02-10 | 99.99 | 1 |
| 2 | 2017-11-11 | 35.50 | 1 |
+-----+
2 rows in set (0.01 sec)
```

```
mysql>
```

```
mysql>
mysql>
mysql> SELECT * FROM orders WHERE customer_id =
-> (
->     SELECT id FROM customers
->     WHERE last_name='George'
-> );
```

id	order_date	amount	customer_id
1	2016-02-10	99.99	1
2	2017-11-11	35.50	1

2 rows in set (0.01 sec)

```
mysql>
mysql> SELECT * FROM customers, orders;
```

id	first_name	last_name	email	id	order_date	amount	customer_id
1	Boy	George	george@gmail.com	1	2016-02-10	99.99	1
2	George	Michael	gm@gmail.com	1	2016-02-10	99.99	1
3	David	Bowie	david@gmail.com	1	2016-02-10	99.99	1
4	Blue	Steele	blue@gmail.com	1	2016-02-10	99.99	1
5	Bette	Davis	bette@aol.com	1	2016-02-10	99.99	1
1	Boy	George	george@gmail.com	2	2017-11-11	35.50	1
2	George	Michael	gm@gmail.com	2	2017-11-11	35.50	1
3	David	Bowie	david@gmail.com	2	2017-11-11	35.50	1
4	Blue	Steele	blue@gmail.com	2	2017-11-11	35.50	1
5	Bette	Davis	bette@aol.com	2	2017-11-11	35.50	1
1	Boy	George	george@gmail.com	3	2014-12-12	800.67	2
2	George	Michael	gm@gmail.com	3	2014-12-12	800.67	2
3	David	Bowie	david@gmail.com	3	2014-12-12	800.67	2
4	Blue	Steele	blue@gmail.com	3	2014-12-12	800.67	2
5	Bette	Davis	bette@aol.com	3	2014-12-12	800.67	2
1	Boy	George	george@gmail.com	4	2015-01-03	12.50	2
2	George	Michael	gm@gmail.com	4	2015-01-03	12.50	2
3	David	Bowie	david@gmail.com	4	2015-01-03	12.50	2
4	Blue	Steele	blue@gmail.com	4	2015-01-03	12.50	2
5	Bette	Davis	bette@aol.com	4	2015-01-03	12.50	2
1	Boy	George	george@gmail.com	5	1999-04-11	450.25	5
2	George	Michael	gm@gmail.com	5	1999-04-11	450.25	5
3	David	Bowie	david@gmail.com	5	1999-04-11	450.25	5
4	Blue	Steele	blue@gmail.com	5	1999-04-11	450.25	5
5	Bette	Davis	bette@aol.com	5	1999-04-11	450.25	5

25 rows in set (0.00 sec)

```
mysql>
mysql> SELECT * FROM customers;
```

id	first_name	last_name	email
1	Boy	George	george@gmail.com
2	George	Michael	gm@gmail.com
3	David	Bowie	david@gmail.com
4	Blue	Steele	blue@gmail.com
5	Bette	Davis	bette@aol.com

5 rows in set (0.00 sec)

```
mysql> SELECT * FROM orders;
```

id	order_date	amount	customer_id
1	2016-02-10	99.99	1
2	2017-11-11	35.50	1
3	2014-12-12	800.67	2
4	2015-01-03	12.50	2
5	1999-04-11	450.25	5

5 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql>
mysql> SELECT * FROM customers, orders
-> WHERE customers.id = orders.customer_id;
```

id	first_name	last_name	email	id	order_date	amount	customer_id
1	Boy	George	george@gmail.com	1	2016-02-10	99.99	1
1	Boy	George	george@gmail.com	2	2017-11-11	35.50	1
2	George	Michael	gm@gmail.com	3	2014-12-12	800.67	2
2	George	Michael	gm@gmail.com	4	2015-01-03	12.50	2
5	Bette	Davis	bette@aol.com	5	1999-04-11	450.25	5

5 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql>
mysql> SELECT first_name, last_name, order_date, amount
-> FROM customers, orders
-> WHERE customers.id = orders.customer_id;
```

first_name	last_name	order_date	amount
Boy	George	2016-02-10	99.99
Boy	George	2017-11-11	35.50
George	Michael	2014-12-12	800.67
George	Michael	2015-01-03	12.50
Bette	Davis	1999-04-11	450.25

5 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql>
mysql> SELECT * FROM customers
-> JOIN orders
-> ON customers.id = orders.customer_id;
```

id	first_name	last_name	email	id	order_date	amount	customer_id
1	Boy	George	george@gmail.com	1	2016-02-10	99.99	1
1	Boy	George	george@gmail.com	2	2017-11-11	35.50	1
2	George	Michael	gm@gmail.com	3	2014-12-12	800.67	2
2	George	Michael	gm@gmail.com	4	2015-01-03	12.50	2
5	Bette	Davis	bette@aol.com	5	1999-04-11	450.25	5

5 rows in set (0.00 sec)

```
mysql>
mysql> SELECT first_name, last_name, order_date, amount
-> FROM customers
-> JOIN orders
-> ON customers.id = orders.customer_id;
```

first_name	last_name	order_date	amount
Boy	George	2016-02-10	99.99
Boy	George	2017-11-11	35.50
George	Michael	2014-12-12	800.67
George	Michael	2015-01-03	12.50
Bette	Davis	1999-04-11	450.25

5 rows in set (0.00 sec)

```
mysql>
mysql> SELECT *
-> FROM orders
-> JOIN customers
-> ON customers.id = orders.customer_id;
```

id	order_date	amount	customer_id	id	first_name	last_name	email
1	2016-02-10	99.99	1	1	Boy	George	george@gmail.com
2	2017-11-11	35.50	1	1	Boy	George	george@gmail.com
3	2014-12-12	800.67	2	2	George	Michael	gm@gmail.com
4	2015-01-03	12.50	2	2	George	Michael	gm@gmail.com
5	1999-04-11	450.25	5	5	Bette	Davis	bette@aol.com

5 rows in set (0.00 sec)

```
mysql>
mysql>
mysql> SELECT * FROM customers
-> JOIN orders ON customers.id = orders.id;
```

id	first_name	last_name	email	id	order_date	amount	customer_id
1	Boy	George	george@gmail.com	1	2016-02-10	99.99	1
2	George	Michael	gm@gmail.com	2	2017-11-11	35.50	1
3	David	Bowie	david@gmail.com	3	2014-12-12	800.67	2
4	Blue	Steele	blue@gmail.com	4	2015-01-03	12.50	2
5	Bette	Davis	bette@aol.com	5	1999-04-11	450.25	5

5 rows in set (0.00 sec)

```

mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql> SELECT first_name, last_name, order_date, amount
--> FROM customers
--> JOIN orders
--> ON customers.id = orders.customer_id
--> ORDER BY order_date;
+-----+
| first_name | last_name | order_date | amount |
+-----+
| Bette     | Davis    | 1999-04-11 | 450.25 |
| George    | Michael  | 2014-12-12 | 800.67 |
| George    | Michael  | 2015-01-03 | 12.50 |
| Boy       | George   | 2016-02-10 | 99.99 |
| Boy       | George   | 2017-11-11 | 35.50 |
+-----+
5 rows in set (0.01 sec)

mysql> SELECT
--> first_name,
--> last_name,
--> SUM(amount) AS total_spent
--> FROM customers
--> JOIN orders
--> ON customers.id = orders.customer_id
--> GROUP BY orders.customer_id
--> ORDER BY total_spent DESC;
+-----+
| first_name | last_name | total_spent |
+-----+
| George    | Michael  | 813.17 |
| Bette     | Davis    | 450.25 |
| Boy       | George   | 135.49 |
+-----+
3 rows in set (0.01 sec)

mysql>
mysql>
mysql>
mysql>
mysql> SELECT * FROM customers
--> LEFT JOIN orders
--> ON customers.id = orders.customer_id;
+-----+
| id | first_name | last_name | email | id | order_date | amount | customer_id |
+-----+
| 1 | Boy | George | george@gmail.com | 1 | 2016-02-10 | 99.99 | 1 |
| 1 | Boy | George | george@gmail.com | 2 | 2017-11-11 | 35.50 | 1 |
| 2 | George | Michael | gm@gmail.com | 3 | 2014-12-12 | 800.67 | 2 |
| 2 | George | Michael | gm@gmail.com | 4 | 2015-01-03 | 12.50 | 2 |
| 3 | David | Bowie | david@gmail.com | NULL | NULL | NULL | NULL |
| 4 | Blue | Steele | blue@gmail.com | NULL | NULL | NULL | NULL |
| 5 | Bette | Davis | bette@aol.com | 5 | 1999-04-11 | 450.25 | 5 |
+-----+
7 rows in set (0.00 sec)

mysql> SELECT first_name, last_name, order_date, amount
--> FROM customers
--> LEFT JOIN orders
--> ON customers.id = orders.customer_id;
+-----+
| first_name | last_name | order_date | amount |
+-----+
| Boy | George | 2016-02-10 | 99.99 |
| Boy | George | 2017-11-11 | 35.50 |
| George | Michael | 2014-12-12 | 800.67 |
| George | Michael | 2015-01-03 | 12.50 |
| David | Bowie | NULL | NULL |
| Blue | Steele | NULL | NULL |
| Bette | Davis | 1999-04-11 | 450.25 |
+-----+
7 rows in set (0.00 sec)

mysql> SELECT
--> first_name,
--> last_name,
--> IFNULL(SUM(amount), 0) AS total_spent
--> FROM customers
--> LEFT JOIN orders
--> ON customers.id = orders.customer_id
--> GROUP BY customers.id
--> ORDER BY total_spent;
+-----+
| first_name | last_name | total_spent |
+-----+
| David | Bowie | 0.00 |
| Blue | Steele | 0.00 |
| Boy | George | 135.49 |
| Bette | Davis | 450.25 |
| George | Michael | 813.17 |
+-----+
5 rows in set (0.00 sec)

mysql>
mysql>
mysql>
mysql>
mysql> SELECT * FROM customers
--> RIGHT JOIN orders
--> ON customers.id = orders.customer_id;
+-----+
| id | first_name | last_name | email | id | order_date | amount | customer_id |
+-----+
| 1 | Boy | George | george@gmail.com | 1 | 2016-02-10 | 99.99 | 1 |
| 1 | Boy | George | george@gmail.com | 2 | 2017-11-11 | 35.50 | 1 |
| 2 | George | Michael | gm@gmail.com | 3 | 2014-12-12 | 800.67 | 2 |
| 2 | George | Michael | gm@gmail.com | 4 | 2015-01-03 | 12.50 | 2 |
| 5 | Bette | Davis | bette@aol.com | 5 | 1999-04-11 | 450.25 | 5 |
+-----+
5 rows in set (0.00 sec)

mysql>
mysql> INSERT INTO customers (first_name, last_name, email)
--> VALUES ('Boy', 'George', 'george@gmail.com'),
--> ('George', 'Michael', 'gm@gmail.com'),
--> ('David', 'Bowie', 'david@gmail.com'),
--> ('Blue', 'Steele', 'blue@gmail.com'),
--> ('Bette', 'Davis', 'bette@aol.com');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql>
mysql> INSERT INTO orders (order_date, amount, customer_id)
--> VALUES ('2016/02/10', 99.99, 1),
--> ('2017/11/11', 35.50, 1),
--> ('2014/12/12', 800.67, 2),
--> ('2015/01/03', 12.50, 2),
--> ('1999/04/11', 450.25, 5);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql>
mysql> INSERT INTO orders (order_date, amount, customer_id) VALUES
--> ('2017/11/05', 23.45, 45),
--> (CURDATE(), 777, 100);
ERROR 1452 (23000): Cannot add or update a child row: a foreign key constraint fails ('customers_and_orders`.`orders`, CONSTRAINT `orders_ibfk_1` FOREIGN KEY (`customer_id`) REFERENCES `customers` (`id`))

mysql>
mysql>
mysql>
mysql> SELECT
--> IFNULL(first_name, 'MISSING') AS first,
--> IFNULL(last_name, 'USER') AS last,
--> order_date,
--> amount,
--> SUM(amount)
--> FROM customers
--> RIGHT JOIN orders
--> ON customers.id = orders.customer_id
--> GROUP BY first_name, last_name;
ERROR 1055 (42000): Expression #3 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'customers_and_orders.orders.order_date' which is not functionally dependent on columns in GROUP BY clause; this is incompatible with sql_mode=only_full_group_by

mysql>
mysql>
mysql> select * from orders;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'select * from orders' at line 1

mysql> select * from orders;
+-----+
| id | order_date | amount | customer_id |
+-----+
| 1 | 2016-02-10 | 99.99 | 1 |
| 2 | 2017-11-11 | 35.50 | 1 |
| 3 | 2014-12-12 | 800.67 | 2 |
| 4 | 2015-01-03 | 12.50 | 2 |
| 5 | 1999-04-11 | 450.25 | 5 |
+-----+

```

```

| 7 | 2016-02-10 | 99.99 | 1 |
| 8 | 2017-11-11 | 35.50 | 1 |
| 9 | 2014-12-12 | 800.67 | 2 |
| 10 | 2015-01-03 | 12.50 | 2 |
| 11 | 1999-04-11 | 450.25 | 5 |
-----
10 rows in set (0.00 sec)

mysql> delete from orders where id >= 7;
Query OK, 5 rows affected (0.01 sec)

mysql> select * from orders;
+----+-----+-----+-----+
| id | order_date | amount | customer_id |
+----+-----+-----+-----+
| 1 | 2016-02-10 | 99.99 | 1 |
| 2 | 2017-11-11 | 35.50 | 1 |
| 3 | 2014-12-12 | 800.67 | 2 |
| 4 | 2015-01-03 | 12.50 | 2 |
| 5 | 1999-04-11 | 450.25 | 5 |
+----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql>
mysql>
mysql>
mysql> SELECT
-> IFNULL(first_name,'MISSING') AS first,
-> IFNULL(last_name,'USER') as last,
-> order_date,
-> amount,
-> SUM(amount)
-> FROM customers
-> RIGHT JOIN orders
-> ON customers.id = orders.customer_id
-> GROUP BY first_name, last_name;
ERROR 1055 (42000): Expression #3 of SELECT list is not in GROUP BY clause and contains nonaggregated column 'customers_and_orders.orders.order_date' which is not functionally dependent on columns in GROUP BY clause; this is incompatible
with sql_mode=only_full_group_by
mysql>
mysql>
mysql>
mysql> DROP TABLE orders;
Query OK, 0 rows affected (0.02 sec)

mysql> DROP TABLE customers;
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql>
mysql> CREATE TABLE customers(
-> id INT AUTO INCREMENT PRIMARY KEY,
-> first_name VARCHAR(100),
-> last_name VARCHAR(100),
-> email VARCHAR(100)
-> );
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> CREATE TABLE orders(
-> id INT AUTO INCREMENT PRIMARY KEY,
-> order_date DATE,
-> amount DECIMAL(8,2),
-> customer_id INT,
-> FOREIGN KEY(customer_id)
-> REFERENCES customers(id)
-> ON DELETE CASCADE
-> );
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql>
mysql> INSERT INTO customers (first_name, last_name, email)
-> VALUES ('Boy', 'George', 'george@gmail.com'),
-> ('George', 'Michael', 'gm@gmail.com'),
-> ('David', 'Bowie', 'david@gmail.com'),
-> ('Blue', 'Steele', 'blue@gmail.com'),
-> ('Bette', 'Davis', 'bette@aol.com');
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql>
mysql> INSERT INTO orders (order_date, amount, customer_id)
-> VALUES ('2016/02/10', 99.99, 1),
-> ('2017/11/11', 35.50, 1),
-> ('2014/12/12', 800.67, 2),
-> ('2015/01/03', 12.50, 2),
-> ('1999/04/11', 450.25, 5);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql>
mysql>
mysql>
mysql>
mysql> SELECT * FROM customers
-> LEFT JOIN orders
-> ON customers.id = orders.customer_id;
+----+-----+-----+-----+----+-----+-----+-----+
| id | first_name | last_name | email | id | order_date | amount | customer_id |
+----+-----+-----+-----+----+-----+-----+-----+
| 1 | Boy | George | george@gmail.com | 1 | 2016-02-10 | 99.99 | 1 |
| 1 | Boy | George | george@gmail.com | 2 | 2017-11-11 | 35.50 | 1 |
| 2 | George | Michael | gm@gmail.com | 3 | 2014-12-12 | 800.67 | 2 |
| 2 | George | Michael | gm@gmail.com | 4 | 2015-01-03 | 12.50 | 2 |
| 3 | David | Bowie | david@gmail.com | NULL | NULL | NULL | NULL |
| 4 | Blue | Steele | blue@gmail.com | NULL | NULL | NULL | NULL |
| 5 | Bette | Davis | bette@aol.com | 5 | 1999-04-11 | 450.25 | 5 |
+----+-----+-----+-----+----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> SELECT * FROM orders
-> RIGHT JOIN customers
-> ON customers.id = orders.customer_id;
+----+-----+-----+-----+----+-----+-----+-----+
| id | order_date | amount | customer_id | id | first_name | last_name | email |
+----+-----+-----+-----+----+-----+-----+-----+
| 1 | 2016-02-10 | 99.99 | 1 | 1 | Boy | George | george@gmail.com |
| 2 | 2017-11-11 | 35.50 | 1 | 1 | Boy | George | george@gmail.com |
| 3 | 2014-12-12 | 800.67 | 2 | 2 | George | Michael | gm@gmail.com |
| 4 | 2015-01-03 | 12.50 | 2 | 2 | George | Michael | gm@gmail.com |
| NULL | NULL | NULL | NULL | 3 | David | Bowie | david@gmail.com |
| NULL | NULL | NULL | NULL | 4 | Blue | Steele | blue@gmail.com |
| 5 | 1999-04-11 | 450.25 | 5 | 5 | Bette | Davis | bette@aol.com |
+----+-----+-----+-----+----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> SELECT * FROM orders
-> LEFT JOIN customers
-> ON customers.id = orders.customer_id;
+----+-----+-----+-----+----+-----+-----+-----+
| id | order_date | amount | customer_id | id | first_name | last_name | email |
+----+-----+-----+-----+----+-----+-----+-----+
| 1 | 2016-02-10 | 99.99 | 1 | 1 | Boy | George | george@gmail.com |
| 2 | 2017-11-11 | 35.50 | 1 | 1 | Boy | George | george@gmail.com |
| 3 | 2014-12-12 | 800.67 | 2 | 2 | George | Michael | gm@gmail.com |
| 4 | 2015-01-03 | 12.50 | 2 | 2 | George | Michael | gm@gmail.com |
| 5 | 1999-04-11 | 450.25 | 5 | 5 | Bette | Davis | bette@aol.com |
+----+-----+-----+-----+----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql> SELECT * FROM customers
-> RIGHT JOIN orders
-> ON customers.id = orders.customer_id;
+----+-----+-----+-----+----+-----+-----+-----+
| id | first_name | last_name | email | id | order_date | amount | customer_id |
+----+-----+-----+-----+----+-----+-----+-----+
| 1 | Boy | George | george@gmail.com | 1 | 2016-02-10 | 99.99 | 1 |
| 1 | Boy | George | george@gmail.com | 2 | 2017-11-11 | 35.50 | 1 |
| 2 | George | Michael | gm@gmail.com | 3 | 2014-12-12 | 800.67 | 2 |
| 2 | George | Michael | gm@gmail.com | 4 | 2015-01-03 | 12.50 | 2 |
| 5 | Bette | Davis | bette@aol.com | 5 | 1999-04-11 | 450.25 | 5 |
+----+-----+-----+-----+----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql>
mysql>
mysql>
mysql> CREATE TABLE students (
-> id INT AUTO INCREMENT PRIMARY KEY,
-> first_name VARCHAR(100)
-> );
Query OK, 0 rows affected (0.02 sec)

mysql>
mysql>

```

```

mysql> CREATE TABLE papers (
->   title VARCHAR(100),
->   grade INT,
->   student_id INT,
->   FOREIGN KEY (student_id)
->     REFERENCES students(id)
->     ON DELETE CASCADE
-> );
Query OK, 0 rows affected (0.01 sec)

mysql>
mysql> INSERT INTO students (first_name) VALUES
->   ('Caleb'),
->   ('Samantha'),
->   ('Raj'),
->   ('Carlos'),
->   ('Lisa');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql>
mysql> INSERT INTO papers (student_id, title, grade) VALUES
->   (1, 'My First Book Report', 60),
->   (1, 'My Second Book Report', 75),
->   (2, 'Russian Lit Through The Ages', 94),
->   (2, 'De Montaigne and The Art of The Essay', 98),
->   (4, 'Borges and Magical Realism', 89);
Query OK, 5 rows affected (0.00 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql>
mysql>
mysql>
mysql>
mysql> SELECT first_name, title, grade
-> FROM students
-> INNER JOIN papers
->   ON students.id = papers.student_id
-> ORDER BY grade DESC;
+-----+-----+-----+
| first_name | title                                     | grade |
+-----+-----+-----+
| Samantha  | De Montaigne and The Art of The Essay | 98    |
| Samantha  | Russian Lit Through The Ages          | 94    |
| Carlos    | Borges and Magical Realism            | 89    |
| Caleb     | My Second Book Report                 | 75    |
| Caleb     | My First Book Report                  | 60    |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql>
mysql> SELECT first_name, title, grade
-> FROM students
-> RIGHT JOIN papers
->   ON students.id = papers.student_id
-> ORDER BY grade DESC;
+-----+-----+-----+
| first_name | title                                     | grade |
+-----+-----+-----+
| Samantha  | De Montaigne and The Art of The Essay | 98    |
| Samantha  | Russian Lit Through The Ages          | 94    |
| Carlos    | Borges and Magical Realism            | 89    |
| Caleb     | My Second Book Report                 | 75    |
| Caleb     | My First Book Report                  | 60    |
+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql>
mysql> SELECT first_name, title, grade
-> FROM students
-> LEFT JOIN papers
->   ON students.id = papers.student_id;
+-----+-----+-----+
| first_name | title                                     | grade |
+-----+-----+-----+
| Caleb     | My First Book Report                 | 60    |
| Caleb     | My Second Book Report                 | 75    |
| Samantha  | Russian Lit Through The Ages          | 94    |
| Samantha  | De Montaigne and The Art of The Essay | 98    |
| Raj       | NULL                                  | NULL  |
| Carlos    | Borges and Magical Realism            | 89    |
| Lisa      | NULL                                  | NULL  |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql>
mysql>
mysql> SELECT
->   first_name,
->   IFNULL(title, 'MISSING'),
->   IFNULL(grade, 0)
-> FROM students
-> LEFT JOIN papers
->   ON students.id = papers.student_id;
+-----+-----+-----+
| first_name | IFNULL(title, 'MISSING') | IFNULL(grade, 0) |
+-----+-----+-----+
| Caleb     | My First Book Report     | 60               |
| Caleb     | My Second Book Report    | 75               |
| Samantha  | Russian Lit Through The  | 94               |
| Samantha  | De Montaigne and The Art | 98               |
| Raj       | MISSING                  | 0                |
| Carlos    | Borges and Magical Realism | 89               |
| Lisa      | MISSING                  | 0                |
+-----+-----+-----+
7 rows in set (0.00 sec)

mysql>
mysql> SELECT
->   first_name,
->   IFNULL(AVG(grade), 0) AS average
-> FROM students
-> LEFT JOIN papers
->   ON students.id = papers.student_id
-> GROUP BY students.id
-> ORDER BY average DESC;
+-----+-----+
| first_name | average |
+-----+-----+
| Samantha  | 96.0000 |
| Carlos    | 89.0000 |
| Caleb     | 67.5000 |
| Raj       | 0.0000  |
| Lisa      | 0.0000  |
+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql> SELECT first_name,
->   Ifnull(Avg(grade), 0) AS average,
->   CASE
->     WHEN Avg(grade) IS NULL THEN 'FAILING'
->     WHEN Avg(grade) >= 75 THEN 'PASSING'
->     ELSE 'FAILING'
->   end AS passing_status
-> FROM students
-> LEFT JOIN papers
->   ON students.id = papers.student_id
-> GROUP BY students.id
-> ORDER BY average DESC;
+-----+-----+-----+
| first_name | average | passing_status |
+-----+-----+-----+
| Samantha  | 96.0000 | PASSING        |
| Carlos    | 89.0000 | PASSING        |
| Caleb     | 67.5000 | FAILING        |
| Raj       | 0.0000  | FAILING        |
| Lisa      | 0.0000  | FAILING        |
+-----+-----+-----+
5 rows in set (0.01 sec)

mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql>
mysql> SELECT DATABASE();
+-----+
| DATABASE() |
+-----+
| customers_and_orders |
+-----+
1 row in set (0.03 sec)

mysql>
mysql> CREATE DATABASE tv_review_app;

```

Query OK, 1 row affected (0.04 sec)

```
mysql> SELECT DATABASE();
```

```
-----+-----+
| DATABASE() |
+-----+-----+
| customers_and_orders |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql> USE tv_rewiev_app;
```

Database changed

```
mysql> SELECT DATABASE();
```

```
-----+-----+
| DATABASE() |
+-----+-----+
| tv_rewiev_app |
+-----+-----+
1 row in set (0.00 sec)
```

```
mysql>
```

```
mysql>
```

```
mysql> CREATE TABLE reviewers (
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> first_name VARCHAR(100),
-> last_name VARCHAR(100)
-> );
```

Query OK, 0 rows affected (0.04 sec)

```
mysql>
```

```
mysql> CREATE TABLE series(
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> title VARCHAR(100),
-> released_year YEAR(4),
-> genre VARCHAR(100)
-> );
```

Query OK, 0 rows affected, 1 warning (0.02 sec)

```
mysql>
```

```
mysql> CREATE TABLE reviews (
-> id INT AUTO_INCREMENT PRIMARY KEY,
-> rating DECIMAL(2,1),
-> series_id INT,
-> reviewer_id INT,
-> FOREIGN KEY(series_id) REFERENCES series(id),
-> FOREIGN KEY(reviewer_id) REFERENCES reviewers(id)
-> );
```

Query OK, 0 rows affected (0.03 sec)

```
mysql>
```

```
mysql> INSERT INTO series (title, released_year, genre) VALUES
-> ('Archer', 2009, 'Animation'),
-> ('Arrested Development', 2003, 'Comedy'),
-> ('Bob's Burgers', 2011, 'Animation'),
-> ('Bojack Horseman', 2014, 'Animation'),
-> ('Breaking Bad', 2008, 'Drama'),
-> ('Curb Your Enthusiasm', 2000, 'Comedy'),
-> ('Fargo', 2014, 'Drama'),
-> ('Freaks and Geeks', 1999, 'Comedy'),
-> ('General Hospital', 1963, 'Drama'),
-> ('Halt and Catch Fire', 2014, 'Drama'),
-> ('Malcolm in The Middle', 2000, 'Comedy'),
-> ('Pushing Daisies', 2007, 'Comedy'),
-> ('Seinfeld', 1989, 'Comedy'),
-> ('Stranger Things', 2016, 'Drama');
```

Query OK, 14 rows affected (0.01 sec)

Records: 14 Duplicates: 0 Warnings: 0

```
mysql>
```

```
mysql>
```

```
mysql> INSERT INTO reviewers (first_name, last_name) VALUES
-> ('Thomas', 'Stoneman'),
-> ('Wyatt', 'Skaggs'),
-> ('Kimbra', 'Masters'),
-> ('Domingo', 'Cortes'),
-> ('Colt', 'Steele'),
-> ('Pinkie', 'Petit'),
-> ('Marlon', 'Crafford');
```

Query OK, 7 rows affected (0.01 sec)

Records: 7 Duplicates: 0 Warnings: 0

```
mysql>
```

```
mysql>
```

```
mysql> INSERT INTO reviews(series_id, reviewer_id, rating) VALUES
mysql>
-> (1,1,8.0),(1,2,7.5),(1,3,8.5),(1,4,7.7),(1,5,8.9),
-> (2,1,8.1),(2,4,6.0),(2,3,8.0),(2,6,8.4),(2,5,9.9),
-> (3,1,7.0),(3,6,7.5),(3,4,8.0),(3,3,7.1),(3,5,8.0),
-> (4,1,7.5),(4,3,7.8),(4,4,8.3),(4,2,7.6),(4,5,8.5),
-> (5,1,9.5),(5,3,9.0),(5,4,9.1),(5,2,9.3),(5,5,9.9),
-> (6,2,6.5),(6,3,7.8),(6,4,8.0),(6,2,8.4),(6,5,9.1),
-> (7,2,9.1),(7,5,9.7),
-> (8,4,8.5),(8,2,7.8),(8,6,8.8),(8,5,9.3),
-> (9,2,5.5),(9,3,6.8),(9,4,5.8),(9,6,4.3),(9,5,4.5),
-> (10,5,9.9),
-> (13,3,8.0),(13,4,7.2),
-> (14,2,8.5),(14,3,8.9),(14,4,8.9);
```

Query OK, 47 rows affected (0.01 sec)

Records: 47 Duplicates: 0 Warnings: 0

```
mysql>
```

```
mysql>
```

```
mysql>
```

```
mysql> SELECT
-> title,
-> rating
-> FROM series
-> JOIN reviews
-> ON series.id = reviews.series_id;
```

title	rating
Archer	8.0
Archer	7.5
Archer	8.5
Archer	7.7
Archer	8.9
Arrested Development	8.1
Arrested Development	6.0
Arrested Development	8.0
Arrested Development	8.4
Arrested Development	9.9
Bob's Burgers	7.0
Bob's Burgers	7.5
Bob's Burgers	8.0
Bob's Burgers	7.1
Bob's Burgers	8.0
Bojack Horseman	7.5
Bojack Horseman	7.0
Bojack Horseman	8.3
Bojack Horseman	7.6
Bojack Horseman	8.5
Breaking Bad	9.5
Breaking Bad	9.0
Breaking Bad	9.1
Breaking Bad	9.3
Breaking Bad	9.9
Curb Your Enthusiasm	6.5
Curb Your Enthusiasm	7.8
Curb Your Enthusiasm	8.0
Curb Your Enthusiasm	8.4
Curb Your Enthusiasm	9.1
Fargo	9.1
Fargo	9.7
Freaks and Geeks	8.5
Freaks and Geeks	7.8
Freaks and Geeks	8.0
Freaks and Geeks	9.3
General Hospital	5.5
General Hospital	6.8
General Hospital	5.8
General Hospital	4.3
General Hospital	4.5
Halt and Catch Fire	9.9
Seinfeld	8.0
Seinfeld	7.2
Stranger Things	8.5
Stranger Things	8.9
Stranger Things	8.9

47 rows in set (0.00 sec)

```
mysql>
```

```
mysql>
```

```
mysql>
```

```
mysql>
```

```
mysql>
```

```
mysql>
```

```
mysql> SELECT
-> title,
-> AVG(rating) as avg_rating
-> FROM series
-> JOIN reviews
-> ON series.id = reviews.series_id
-> GROUP BY series_id
```

--> ORDER BY avg\_rating;

title	avg_rating
General Hospital	5.38000
Bob's Burgers	7.52000
Seinfeld	7.68000
Bojack Horseman	7.94000
Arrested Development	8.88000
Archer	8.12000
Curb Your Enthusiasm	8.12000
Freaks and Geeks	8.60000
Stranger Things	8.76667
Breaking Bad	9.36000
Fargo	9.48000
Halt and Catch Fire	9.90000

12 rows in set (0.01 sec)

mysql>

mysql>

mysql>

mysql>

mysql> SELECT

--> first\_name,  
--> last\_name,  
--> rating  
--> FROM reviewers  
--> INNER JOIN reviews  
--> ON reviewers.id = reviews.review\_id;

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

first\_name,  
last\_name,  
rating  
FROM reviewers  
INNER JOIN review' at line 1

mysql>

mysql>

mysql> SELECT

--> first\_name,  
--> last\_name,  
--> rating  
--> FROM reviews  
--> INNER JOIN reviewers  
--> ON reviewers.id = reviews.review\_id;

first_name	last_name	rating
Thomas	Stoneman	8.0
Thomas	Stoneman	8.1
Thomas	Stoneman	7.0
Thomas	Stoneman	7.5
Thomas	Stoneman	9.5
Wyatt	Skaggs	7.5
Wyatt	Skaggs	7.6
Wyatt	Skaggs	9.3
Wyatt	Skaggs	6.5
Wyatt	Skaggs	8.4
Wyatt	Skaggs	9.1
Wyatt	Skaggs	7.8
Wyatt	Skaggs	5.5
Wyatt	Skaggs	8.5
Kimbra	Masters	8.5
Kimbra	Masters	8.0
Kimbra	Masters	7.1
Kimbra	Masters	7.8
Kimbra	Masters	9.0
Kimbra	Masters	7.8
Kimbra	Masters	6.8
Kimbra	Masters	8.0
Kimbra	Masters	8.9
Domingo	Cortes	7.7
Domingo	Cortes	6.0
Domingo	Cortes	8.0
Domingo	Cortes	8.3
Domingo	Cortes	9.1
Domingo	Cortes	8.8
Domingo	Cortes	8.5
Domingo	Cortes	5.8
Domingo	Cortes	7.2
Domingo	Cortes	8.9
Colt	Steele	8.9
Colt	Steele	9.9
Colt	Steele	8.0
Colt	Steele	8.5
Colt	Steele	9.9
Colt	Steele	9.1
Colt	Steele	9.7
Colt	Steele	9.3
Colt	Steele	4.5
Colt	Steele	9.9
Pinkie	Petit	8.4
Pinkie	Petit	7.5
Pinkie	Petit	8.8
Pinkie	Petit	4.3

47 rows in set (0.00 sec)

mysql>

mysql>

mysql>

mysql>

mysql> SELECT

--> first\_name,  
--> last\_name,  
--> rating  
--> FROM reviews  
--> INNER JOIN reviews  
--> ON reviewers.id = reviews.review\_id;

first_name	last_name	rating
Thomas	Stoneman	8.0
Thomas	Stoneman	8.1
Thomas	Stoneman	7.0
Thomas	Stoneman	7.5
Thomas	Stoneman	9.5
Wyatt	Skaggs	7.5
Wyatt	Skaggs	7.6
Wyatt	Skaggs	9.3
Wyatt	Skaggs	6.5
Wyatt	Skaggs	8.4
Wyatt	Skaggs	9.1
Wyatt	Skaggs	7.8
Wyatt	Skaggs	5.5
Wyatt	Skaggs	8.5
Kimbra	Masters	8.5
Kimbra	Masters	8.0
Kimbra	Masters	7.1
Kimbra	Masters	7.8
Kimbra	Masters	9.0
Kimbra	Masters	7.8
Kimbra	Masters	6.8
Kimbra	Masters	8.0
Kimbra	Masters	8.9
Domingo	Cortes	7.7
Domingo	Cortes	6.0
Domingo	Cortes	8.0
Domingo	Cortes	8.3
Domingo	Cortes	9.1
Domingo	Cortes	8.8
Domingo	Cortes	8.5
Domingo	Cortes	5.8
Domingo	Cortes	7.2
Domingo	Cortes	8.9
Colt	Steele	8.9
Colt	Steele	9.9
Colt	Steele	8.0
Colt	Steele	8.5
Colt	Steele	9.9
Colt	Steele	9.1
Colt	Steele	9.7
Colt	Steele	9.3
Colt	Steele	4.5
Colt	Steele	9.9
Pinkie	Petit	8.4
Pinkie	Petit	7.5
Pinkie	Petit	8.8
Pinkie	Petit	4.3

47 rows in set (0.00 sec)

mysql>

mysql>

mysql>

mysql>

mysql> SELECT

--> first\_name,  
--> last\_name,  
--> rating  
--> FROM reviews  
--> INNER JOIN reviewers  
--> ON reviewers.id = reviews.review\_id;

first_name	last_name	rating
Thomas	Stoneman	8.0
Thomas	Stoneman	8.1
Thomas	Stoneman	7.0
Thomas	Stoneman	7.5
Thomas	Stoneman	9.5
Wyatt	Skaggs	7.5
Wyatt	Skaggs	7.6
Wyatt	Skaggs	9.3
Wyatt	Skaggs	6.5
Wyatt	Skaggs	8.4
Wyatt	Skaggs	9.1
Wyatt	Skaggs	7.8
Wyatt	Skaggs	5.5
Wyatt	Skaggs	8.5
Kimbra	Masters	8.5
Kimbra	Masters	8.5
Kimbra	Masters	7.1
Kimbra	Masters	7.8
Kimbra	Masters	9.0
Kimbra	Masters	7.0
Kimbra	Masters	6.0
Kimbra	Masters	8.0
Kimbra	Masters	8.9
Domingo	Cortes	7.7
Domingo	Cortes	6.0
Domingo	Cortes	8.0
Domingo	Cortes	8.3
Domingo	Cortes	9.1
Domingo	Cortes	8.8
Domingo	Cortes	8.5
Domingo	Cortes	5.0
Domingo	Cortes	7.2
Domingo	Cortes	8.9
Colt	Steele	8.9
Colt	Steele	9.9
Colt	Steele	8.0
Colt	Steele	8.5
Colt	Steele	9.9
Colt	Steele	9.1
Colt	Steele	9.7
Colt	Steele	9.3
Colt	Steele	4.5
Colt	Steele	9.9
Pinkie	Petit	8.4
Pinkie	Petit	7.5
Pinkie	Petit	8.8
Pinkie	Petit	4.3

47 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql> SELECT title AS unreviewed_series
-> FROM series
-> LEFT JOIN reviews
-> ON series.id = reviews.series_id
-> WHERE rating IS NULL;
```

unreviewed_series
Malcolm In The Middle
Pushing Daisies

2 rows in set (0.00 sec)

```
mysql>
mysql>
mysql> SELECT genre,
-> Round(Avg(rating), 2) AS avg_rating
-> FROM series
-> INNER JOIN reviews
-> ON series.id = reviews.series_id
-> GROUP BY genre;
```

genre	avg_rating
Animation	7.86
Comedy	8.16
Drama	8.04

3 rows in set (0.01 sec)

```
mysql>
mysql>
mysql>
mysql> SELECT first_name,
-> last_name,
-> Count(rating) AS COUNT,
-> Ifnull(Min(rating), 0) AS MIN,
-> Ifnull(Max(rating), 0) AS MAX,
-> Round(Ifnull(Avg(rating), 0), 2) AS AVG,
-> If(Count(rating) > 0, 'ACTIVE', 'INACTIVE') AS STATUS
-> FROM reviewers
-> LEFT JOIN reviews
-> ON reviewers.id = reviews.reviewee_id
-> GROUP BY reviewers.id;
```

first_name	last_name	COUNT	MIN	MAX	AVG	STATUS
Thomas	Stoneman	5	7.0	9.5	8.02	ACTIVE
Wyatt	Skaggs	9	5.5	9.3	7.80	ACTIVE
Kimbra	Masters	9	6.0	9.0	7.99	ACTIVE
Domingo	Cortes	10	5.0	9.1	7.83	ACTIVE
Colt	Steele	10	4.5	9.9	8.77	ACTIVE
Pinkie	Petit	4	4.3	8.8	7.25	ACTIVE
Marlon	Crafford	0	0.0	0.0	0.00	INACTIVE

7 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql> SELECT first_name,
-> last_name,
-> Count(rating) AS COUNT,
-> Ifnull(Min(rating), 0) AS MIN,
-> Ifnull(Max(rating), 0) AS MAX,
-> Round(Ifnull(Avg(rating), 0), 2) AS AVG,
-> CASE
-> WHEN Count(rating) >= 10 THEN 'POWER USER'
-> WHEN Count(rating) > 0 THEN 'ACTIVE'
-> ELSE 'INACTIVE'
-> end AS STATUS
-> FROM reviewers
-> LEFT JOIN reviews
-> ON reviewers.id = reviews.reviewee_id
-> GROUP BY reviewers.id;
```

first_name	last_name	COUNT	MIN	MAX	AVG	STATUS
Thomas	Stoneman	5	7.0	9.5	8.02	ACTIVE
Wyatt	Skaggs	9	5.5	9.3	7.80	ACTIVE
Kimbra	Masters	9	6.0	9.0	7.99	ACTIVE
Domingo	Cortes	10	5.0	9.1	7.83	POWER USER
Colt	Steele	10	4.5	9.9	8.77	POWER USER
Pinkie	Petit	4	4.3	8.8	7.25	ACTIVE
Marlon	Crafford	0	0.0	0.0	0.00	INACTIVE

7 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql>
mysql> SELECT
-> title,
-> rating,
-> CONCAT(first_name, ' ', last_name) AS reviewer
-> FROM reviewers
-> INNER JOIN reviews
-> ON reviewers.id = reviews.reviewee_id
-> INNER JOIN series
-> ON series.id = reviews.series_id
-> ORDER BY title;
```

title	rating	reviewer
Archer	8.0	Thomas Stoneman
Archer	8.9	Colt Steele
Archer	7.7	Domingo Cortes
Archer	8.5	Kimbra Masters
Archer	7.5	Wyatt Skaggs
Arrested Development	8.4	Pinkie Petit
Arrested Development	9.9	Colt Steele
Arrested Development	8.1	Thomas Stoneman
Arrested Development	8.0	Kimbra Masters
Arrested Development	6.0	Domingo Cortes
Bob's Burgers	7.5	Pinkie Petit
Bob's Burgers	8.0	Colt Steele
Bob's Burgers	8.0	Domingo Cortes



Bob's Burgers	7.1	Kimbra Masters
Bob's Burgers	7.0	Thomas Stoneman
Bojack Horseman	8.3	Domingo Cortes
Bojack Horseman	7.6	Wyatt Skaggs
Bojack Horseman	8.5	Colt Steele
Bojack Horseman	7.5	Thomas Stoneman
Bojack Horseman	7.8	Kimbra Masters
Breaking Bad	9.5	Thomas Stoneman
Breaking Bad	9.0	Kimbra Masters
Breaking Bad	9.1	Domingo Cortes
Breaking Bad	9.9	Colt Steele
Breaking Bad	9.3	Wyatt Skaggs
Curb Your Enthusiasm	7.8	Kimbra Masters
Curb Your Enthusiasm	8.8	Domingo Cortes
Curb Your Enthusiasm	8.4	Wyatt Skaggs
Curb Your Enthusiasm	9.1	Colt Steele
Curb Your Enthusiasm	6.5	Wyatt Skaggs
Fargo	9.1	Wyatt Skaggs
Fargo	9.7	Colt Steele
Freaks and Geeks	8.5	Domingo Cortes
Freaks and Geeks	7.8	Wyatt Skaggs
Freaks and Geeks	9.3	Colt Steele
Freaks and Geeks	8.8	Pinkie Petit
General Hospital	6.8	Kimbra Masters
General Hospital	5.8	Domingo Cortes
General Hospital	5.5	Wyatt Skaggs
General Hospital	4.5	Colt Steele
General Hospital	4.3	Pinkie Petit
Halt and Catch Fire	9.9	Colt Steele
Seinfeld	8.0	Kimbra Masters
Seinfeld	7.2	Domingo Cortes
Stranger Things	8.9	Kimbra Masters
Stranger Things	8.5	Wyatt Skaggs
Stranger Things	8.9	Domingo Cortes

47 rows in set (0.00 sec)

```
mysql>
mysql>
mysql>
mysql> quit;
Bye
Serhiis-MacBook-Pro:~ serhiis$
Serhiis-MacBook-Pro:~ serhiis$
Serhiis-MacBook-Pro:~ serhiis$
```