```
sudo /opt/lampp/lampp start

/opt/lampp/bin/mysql -u root -p


show databases;
+--------------------+
| Database           |
+--------------------+
| admin_panel        |
| ecommerce          |
| information_schema |
| kajal              |
| kajal_test         |
| mysql              |
| performance_schema |
| phpmyadmin         |
| queries            |
| test               |
+--------------------+

use terminal_query;

        Database changed

show tables;

create database terminal_query;

use terminal_query;

show tables;

create table student(s_id int not null auto_increment,s_name varchar(100) not null, s_email
varchar(100) not null,s_pwd varchar(100) not null, primary key(s_id));



MariaDB [terminal_query]> insert into student(s_name,s_email,s_pwd)
values("kajal","kajal@gmail.com","123");
Query OK, 1 row affected (0.047 sec)

MariaDB [terminal_query]> show tables;
+-------------------------+
| Tables_in_terminal_query |
+-------------------------+
| student                 |
+-------------------------+
1 row in set (0.001 sec)

MariaDB [terminal_query]> select * from student;
```

```
+------+--------+-----------------+-------+
| s_id | s_name | s_email         | s_pwd |
+------+--------+-----------------+-------+
|    1 | kajal  | kajal@gmail.com | 123   |
+------+--------+-----------------+-------+
1 row in set (0.001 sec)

MariaDB [terminal_query]> insert into student(s_name,s_email,s_pwd)
values("jalpa","jalpa@gmail.com","123");
Query OK, 1 row affected (0.068 sec)

MariaDB [terminal_query]> select * from student;
+------+--------+-----------------+-------+
| s_id | s_name | s_email         | s_pwd |
+------+--------+-----------------+-------+
|    1 | kajal  | kajal@gmail.com | 123   |
|    2 | jalpa  | jalpa@gmail.com | 123   |
+------+--------+-----------------+---

----+
2 rows in set (0.002 sec)


MariaDB [terminal_query]> select * from student where s_id ="2";
+------+--------+-----------------+-------+
| s_id | s_name | s_email         | s_pwd |
+------+--------+-----------------+-------+
|    2 | jalpa  | jalpa@gmail.com | 123   |
+------+--------+-----------------+-------+
1 row in set (0.001 sec)


MariaDB [terminal_query]> select s_name from student;
+--------+
| s_name |
+--------+
| kajal  |
| jalpa  |
+--------+
2 rows in set (0.000 sec)
```

Customer

```
MariaDB [terminal_query]> create table customer (cust_id int not null auto_increment,cust_name
varchar(100) not null,cust_contact int(100) not null,cust_add varchar(100) not null, cust_city
varchar(100) not null, cust_pincode int(100) not null, cust_country varchar(100) not null,primary
key(cust_id));
Query OK, 0 rows affected (0.391 sec)
```

ariaDB [terminal_query]> insert into customer (cust_name,
cust_contact,cust_add,cust_city,cust_pincode,cust_country) values("kajal","908976646","34th
AvSuite 3B","ahmedabad","747372","india");
Query OK, 1 row affected (0.094 sec)

ffected (0.094 sec)

MariaDB [terminal_query]> insert into customer (cust_name,
cust_contact,cust_add,cust_city,cust_pincode,cust_country) values("jal","908978846","39 AvSuite
3B","jaipur","747372","india");
Query OK, 1 row affected (0.087 sec)

MariaDB [terminal_query]> insert into customer (cust_name,
cust_contact,cust_add,cust_city,cust_pincode,cust_country) values("Riya","98978846","AvSuite
3B","mexico","747372","America");
Query OK, 1 row affected (0.066 sec)

MariaDB [terminal_query]> insert into customer (cust_name,
cust_contact,cust_add,cust_city,cust_pincode,cust_country) values("anjani","98008846","AvSuite
3B","abcd","747372","africa");
Query OK, 1 row affected (0.060 sec)

MariaDB [terminal_query]> insert into customer (cust_name,
cust_contact,cust_add,cust_city,cust_pincode,cust_country) values("avni","98978846","AvSuite
3B","mexico","747372","india");
Query OK, 1 row affected (0.068 sec)

MariaDB [terminal_query]> select * from customer;

cust_id	cust_name	cust_contact	cust_add	cust_city	cust_pincode	cust_country
1	kajal	908976646	34th AvSuite 3B	ahmedabad	747372	india
2	jal	908978846	39 AvSuite 3B	jaipur	747372	india
3	Riya	98978846	AvSuite 3B	mexico	747372	America
4	anjani	98008846	AvSuite 3B	abcd	747372	africa
5	avni	98978846	AvSuite 3B	mexico	747372	india

5 rows in set (0.001 sec)

MariaDB [terminal_query]> select cust_name,cust_city from customer;

cust_name	cust_city
kajal	ahmedabad
jal	jaipur
Riya	mexico
anjani	abcd

```
| avni     | mexico    |
+-----------+-----------+
5 rows in set (0.001 sec)


MariaDB [terminal_query]> select DISTINCT cust_country from customer;
+--------------+
| cust_country |
+--------------+
| india        |
| America      |
| africa       |
+--------------+
3 rows in set (0.001 sec)

MariaDB [terminal_query]> select * from customer where cust_country="india" and
cust_city="jaipur";
+---------+-----------+--------------+---------------+-----------+--------------+--------------+
| cust_id | cust_name | cust_contact | cust_add      | cust_city | cust_pincode | cust_country |
+---------+-----------+--------------+---------------+-----------+--------------+--------------+
|       2 | jal       |    908978846 | 39 AvSuite 3B | jaipur    |       747372 | india        |
+---------+-----------+--------------+---------------+-----------+--------------+--------------+
1 row in set (0.001 sec)




MariaDB [terminal_query]> select * from customer where cust_country="india" or
cust_city="jaipur";
+---------+-----------+--------------+----------------+-----------+--------------+--------------+
| cust_id | cust_name | cust_contact | cust_add       | cust_city | cust_pincode | cust_country |
+---------+-----------+--------------+----------------+-----------+--------------+--------------+
|       1 | kajal     |    908976646 | 34th AvSuite 3B | ahmedabad |       747372 | india        |
|       2 | jal       |    908978846 | 39 AvSuite 3B  | jaipur    |       747372 | india        |
|       5 | avni      |     98978846 | AvSuite 3B     | mexico    |       747372 | india        |
+---------+-----------+--------------+----------------+-----------+--------------+--------------+




MariaDB [terminal_query]> select * from customer where not  cust_country="india";
+---------+-----------+--------------+------------+-----------+--------------+--------------+
| cust_id | cust_name | cust_contact | cust_add   | cust_city | cust_pincode | cust_country |
+---------+-----------+--------------+------------+-----------+--------------+--------------+
|       3 | Riya      |     98978846 | AvSuite 3B | mexico    |       747372 | America      |
|       4 | anjani    |     98008846 | AvSuite 3B | abcd      |       747372 | africa       |
+---------+-----------+--------------+------------+-----------+--------------+--------------+
2 rows in set (0.001 sec)
```

MariaDB [terminal_query]> select * from customer ORDER BY cust_city;

cust_id	cust_name	cust_contact	cust_add	cust_city	cust_pincode	cust_country
4	anjani	98008846	AvSuite 3B	abcd	747372	africa
1	kajal	908976646	34th AvSuite 3B	ahmedabad	747372	india
2	jal	908978846	39 AvSuite 3B	jaipur	747372	india
3	Riya	98978846	AvSuite 3B	mexico	747372	America
5	avni	98978846	AvSuite 3B	mexico	747372	india

MariaDB [terminal_query]> select * from customer ORDER BY cust_city DESC;

cust_id	cust_name	cust_contact	cust_add	cust_city	cust_pincode	cust_country
3	Riya	98978846	AvSuite 3B	mexico	747372	America
5	avni	98978846	AvSuite 3B	mexico	747372	india
2	jal	908978846	39 AvSuite 3B	jaipur	747372	india
1	kajal	908976646	34th AvSuite 3B	ahmedabad	747372	india
4	anjani	98008846	AvSuite 3B	abcd	747372	africa

5 rows in set (0.001 sec)

MariaDB [terminal_query]> select * from customer ORDER BY cust_city,cust_country;

cust_id	cust_name	cust_contact	cust_add	cust_city	cust_pincode	cust_country
4	anjani	98008846	AvSuite 3B	abcd	747372	africa
1	kajal	908976646	34th AvSuite 3B	ahmedabad	747372	india
2	jal	908978846	39 AvSuite 3B	jaipur	747372	india
3	Riya	98978846	AvSuite 3B	mexico	747372	America
5	avni	98978846	AvSuite 3B	mexico	747372	india

5 rows in set (0.001 sec)

MariaDB [terminal_query]> update customer set cust_contact="9000000" city="baroda" where cust_name="anjani";
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near 'city="baroda" where cust_name="anjani"' at line 1
MariaDB [terminal_query]> update customer SET cust_city="baroda" where cust_name=
    -> "anjani";
Query OK, 1 row affected (0.072 sec)
Rows matched: 1 Changed: 1 Warnings: 0

```
MariaDB [terminal_query]> update customer SET cust_pincode="000" where cust_name= "riya";
Query OK, 1 row affected (0.089 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+----------------+-----------+--------------+--------------+
| cust_id | cust_name | cust_contact | cust_add       | cust_city | cust_pincode | cust_country |
+---------+-----------+--------------+----------------+-----------+--------------+--------------+
|       1 | kajal     |    908976646 | 34th AvSuite 3B | ahmedabad |       747372 | india        |
|       2 | jal       |    908978846 | 39 AvSuite 3B  | jaipur    |       747372 | india        |
|       3 | Riya      |     98978846 | AvSuite 3B     | mexico    |            0 | America      |
|       4 | anjani    |     98008846 | AvSuite 3B     | baroda    |       747372 | africa       |
|       5 | avni      |     98978846 | AvSuite 3B     | mexico    |       747372 | india        |
+---------+-----------+--------------+----------------+-----------+--------------+--------------+
5 rows in set (0.001 sec)

MariaDB [terminal_query]> delete from customer where cust_id="1";
Query OK, 1 row affected (0.059 sec)

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+--------------+-----------+--------------+--------------+
| cust_id | cust_name | cust_contact | cust_add     | cust_city | cust_pincode | cust_country |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+
|       2 | jal       |    908978846 | 39 AvSuite 3B | jaipur    |       747372 | india        |
|       3 | Riya      |     98978846 | AvSuite 3B   | mexico    |            0 | America      |
|       4 | anjani    |     98008846 | AvSuite 3B   | baroda    |       747372 | africa       |
|       5 | avni      |     98978846 | AvSuite 3B   | mexico    |       747372 | india        |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+


MariaDB [terminal_query]> select * from customer limit 2;
+---------+-----------+--------------+---------------+-----------+--------------+--------------+
| cust_id | cust_name | cust_contact | cust_add      | cust_city | cust_pincode | cust_country |
+---------+-----------+--------------+---------------+-----------+--------------+--------------+
|       2 | jal       |    908978846 | 39 AvSuite 3B | jaipur    |       747372 | india        |
|       3 | Riya      |     98978846 | AvSuite 3B    | mexico    |            0 | America      |
+---------+-----------+--------------+---------------+-----------+--------------+--------------+
2 rows in set (0.001 sec)


MariaDB [terminal_query]> alter table customer add salary bigint(40) not null after cust_country;
Query OK, 0 rows affected (0.221 sec)
Records: 0  Duplicates: 0  Warnings: 0

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+---------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add      | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+---------------+-----------+--------------+--------------+--------+
|       2 | jal       |    908978846 | 39 AvSuite 3B | jaipur    |       747372 | india        |      0 |
|       3 | Riya      |     98978846 | AvSuite 3B    | mexico    |            0 | America      |      0 |
|       4 | anjani    |     98008846 | AvSuite 3B    | baroda    |       747372 | africa       |      0 |
|       5 | avni      |     98978846 | AvSuite 3B    | mexico    |       747372 | india        |      0 |
```

```
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
4 rows in set (0.001 sec)


MariaDB [terminal_query]> update customer set salary="30000" where cust_id=2;
Query OK, 1 row affected (0.066 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add     | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
|       2 | jal       |    908978846 | 39 AvSuite 3B | jaipur    |       747372 | india        |  30000 |
|       3 | Riya      |     98978846 | AvSuite 3B   | mexico    |            0 | America      |      0 |
|       4 | anjani    |     98008846 | AvSuite 3B   | baroda    |       747372 | africa       |      0 |
|       5 | avni      |     98978846 | AvSuite 3B   | mexico    |       747372 | india        |      0 |
|         |           |              |              |           |              |              |        |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+


MariaDB [terminal_query]> update customer set salary="2000" where cust_id=1;
Query OK, 0 rows affected (0.001 sec)
Rows matched: 0  Changed: 0  Warnings: 0

MariaDB [terminal_query]> update customer set salary="20000" where cust_id=3;
Query OK, 1 row affected (0.067 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [terminal_query]> update customer set salary="25000" where cust_id=4;
Query OK, 1 row affected (0.070 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add     | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
|       2 | jal       |    908978846 | 39 AvSuite 3B | jaipur    |       747372 | india        |  30000 |
|       3 | Riya      |     98978846 | AvSuite 3B   | mexico    |            0 | America      |  20000 |
|       4 | anjani    |     98008846 | AvSuite 3B   | baroda    |       747372 | africa       |  25000 |
|       5 | avni      |     98978846 | AvSuite 3B   | mexico    |       747372 | india        |      0 |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
4 rows in set (0.001 sec)

MariaDB [terminal_query]> update customer set salary="25000" where cust_id=5;
Query OK, 1 row affected (0.065 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add     | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
```

```
|     2 | jal    |    908978846 | 39 AvSuite 3B | jaipur    |     747372 | india     | 30000 |
|     3 | Riya   |     98978846 | AvSuite 3B    | mexico    |          0 | America   | 20000 |
|     4 | anjani |     98008846 | AvSuite 3B    | baroda    |     747372 | africa    | 25000 |
|     5 | avni   |     98978846 | AvSuite 3B    | mexico    |     747372 | india     | 25000 |
+---------+-----------+--------------+---------------+-----------+-------------+--------------+--------+
4 rows in set (0.001 sec)


MariaDB [terminal_query]> select MIN(salary) as customer from customer;
+----------+
| customer |
+----------+
|    20000 |
+----------+
1 row in set (0.001 sec)


MariaDB [terminal_query]> select MAX(salary) as customer from customer;
+----------+
| customer |
+----------+
|    30000 |
+----------+
1 row in set (0.001 sec)


MariaDB [terminal_query]> select COUNT(salary) as customer from customer;
+----------+
| customer |
+----------+
|        4 |
+----------+
1 row in set (0.001 sec)


MariaDB [terminal_query]> select SUM(salary) as customer from customer;
+----------+
| customer |
+----------+
|   100000 |
+----------+
1 row in set (0.001 sec)


MariaDB [terminal_query]> select cust_name from customer where cust_name LIKE 'j%';
+-----------+
| cust_name |
+-----------+
| jal       |
+-----------+
```

1 row in set (0.001 sec)

MariaDB [terminal_query]> select cust_name from customer where cust_name LIKE '%a';
+-----------+
| cust_name |
+-----------+
| Riya |
+-----------+
1 row in set (0.001 sec)

MariaDB [terminal_query]> select cust_name from customer where cust_name LIKE 'a_%';
+-----------+
| cust_name |
+-----------+
| anjani |
| avni |
+-----------+
2 rows in set (0.001 sec)

MariaDB [terminal_query]> select cust_name from customer where cust_name LIKE 'a%k';
Empty set (0.001 sec)

MariaDB [terminal_query]> select * from customer where cust_country LIKE 'a_r%';
+---------+-----------+--------------+------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+------------+-----------+--------------+--------------+--------+
| 4 | anjani | 98008846 | AvSuite 3B | baroda | 747372 | africa | 25000 |
| | | | | | | | |
+---------+-----------+--------------+------------+-----------+--------------+--------------+--------+

MariaDB [terminal_query]> select cust_city from customer where cust_country IN (india,africa);
ERROR 1054 (42S22): Unknown column 'india' in 'where clause'
MariaDB [terminal_query]> select cust_city from customer where cust_country IN ('india','africa');
+-----------+
| cust_city |
+-----------+
| jaipur |
| baroda |
| mexico |
+-----------+
3 rows in set (0.001 sec)

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+---------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+---------------+-----------+--------------+--------------+--------+
| 2 | jal | 908978846 | 39 AvSuite 3B | jaipur | 747372 | india | 30000 |

```
|       3 | Riya      |    98978846 | AvSuite 3B   | mexico    |            0 | America      | 20000 |
|       4 | anjani    |    98008846 | AvSuite 3B   | baroda    |       747372 | africa       | 25000 |
|       5 | avni      |    98978846 | AvSuite 3B   | mexico    |       747372 | india        | 25000 |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
4 rows in set (0.001 sec)


MariaDB [terminal_query]> select cust_city  from customer where cust_country NOTIN
('india','africa');
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to
your MariaDB server version for the right syntax to use near 'NOTIN ('india','africa')' at line 1
MariaDB [terminal_query]> select cust_city  from customer where cust_country NOT IN
('india','africa');
+-----------+
| cust_city |
+-----------+
| mexico    |
+-----------+
1 row in set (0.001 sec)

MariaDB [terminal_query]> select * from customer;
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add     | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
|       2 | jal       |    908978846 | 39 AvSuite 3B| jaipur    |       747372 | india        | 30000 |
|       3 | Riya      |    98978846 | AvSuite 3B   | mexico    |            0 | America      | 20000 |
|       4 | anjani    |    98008846 | AvSuite 3B   | baroda    |       747372 | africa       | 25000 |
|       5 | avni      |    98978846 | AvSuite 3B   | mexico    |       747372 | india        | 25000 |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
4 rows in set (0.001 sec)

MariaDB [terminal_query]> select * from customer where salary BETWEEN 20000 AND 30000;
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add     | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
|       2 | jal       |    908978846 | 39 AvSuite 3B| jaipur    |       747372 | india        | 30000 |
|       3 | Riya      |    98978846 | AvSuite 3B   | mexico    |            0 | America      | 20000 |
|       4 | anjani    |    98008846 | AvSuite 3B   | baroda    |       747372 | africa       | 25000 |
|       5 | avni      |    98978846 | AvSuite 3B   | mexico    |       747372 | india        | 25000 |
+---------+-----------+--------------+--------------+-----------+--------------+--------------+--------+
4 rows in set (0.000 sec)


MariaDB [terminal_query]> select * from customer where salary NOT BETWEEN 20000 AND
30000;
Empty set (0.001 sec)

MariaDB [terminal_query]> select * from customer where salary BETWEEN 20000 AND 30000
AND cust_id NOT IN(1,2);
+---------+-----------+--------------+------------+-----------+--------------+--------------+--------+
| cust_id | cust_name | cust_contact | cust_add   | cust_city | cust_pincode | cust_country | salary |
+---------+-----------+--------------+------------+-----------+--------------+--------------+--------+
```

```
|       3 | Riya     |    98978846 | AvSuite 3B | mexico   |           0 | America      | 20000 |
|       4 | anjani   |    98008846 | AvSuite 3B | baroda   |      747372 | africa       | 25000 |
|       5 | avni     |    98978846 | AvSuite 3B | mexico   |      747372 | india        | 25000 |
+---------+----------+-------------+------------+----------+-------------+--------------+--------+
```
3 rows in set (0.001 sec)

MariaDB [terminal_query]> create table orders(orderId int NOT NULL AUTO_INCREMENT PRIMARY KEY,   cust_id int NOT NULL,   order_date date NOT NULL);
Query OK, 0 rows affected (0.464 sec)

MariaDB [terminal_query]> insert into orders("1","2021-05-12");
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MariaDB server version for the right syntax to use near '"1","2021-05-12")' at line 1
MariaDB [terminal_query]> insert into orders (cust_id,order_date) values ("1","2021-05-12");
Query OK, 1 row affected (0.064 sec)

MariaDB [terminal_query]> select * from orders;
```
+---------+---------+------------+
| orderId | cust_id | order_date |
+---------+---------+------------+
|       1 |       1 | 2021-05-12 |
+---------+---------+------------+
```
1 row in set (0.001 sec)

MariaDB [terminal_query]> insert into orders (cust_id,order_date) values ("2","2021-07-15");
Query OK, 1 row affected (0.057 sec)

MariaDB [terminal_query]> insert into orders (cust_id,order_date) values ("2","2021-08-1");
Query OK, 1 row affected (0.070 sec)

MariaDB [terminal_query]> insert into orders (cust_id,order_date) values ("2","2020-7-07");
Query OK, 1 row affected (0.062 sec)

MariaDB [terminal_query]> select * from orders;
```
+---------+---------+------------+
| orderId | cust_id | order_date |
+---------+---------+------------+
|       1 |       1 | 2021-05-12 |
|       2 |       2 | 2021-07-15 |
|       3 |       2 | 2021-08-01 |
|       4 |       2 | 2020-07-07 |
+---------+---------+------------+
```
4 rows in set (0.001 sec)

MariaDB [terminal_query]> select orders.orderId, customer.cust_name from orders INNER JOIN customer ON orders.cust_id=customer.cust_id;
```
+---------+-----------+
| orderId | cust_name |
+---------+-----------+
|       2 | jal       |
```

```
|      3 | jal       |
|      4 | jal
```

<table>
<tr><td></td><td></td></tr>
</table>

MariaDB [terminal_query]> select customer.cust_name from customer LEFT JOIN orders ON customer.cust_id=orders.cust_id ORDER BY customer.cust_name;

```
+-----------+
| cust_name |
+-----------+
| anjani    |
| avni      |
| jal       |
| jal       |
| jal       |
| Riya      |
+-----------+
6 rows in set (0.001 sec)
```

MariaDB [terminal_query]> select orders.orderId, customer.cust_name from orders RIGHT JOIN customer ON orders.cust_id=customer.cust_id order BY orders.orderId;

```
+---------+-----------+
| orderId | cust_name |
+---------+-----------+
|    NULL | Riya      |
|    NULL | avni      |
|    NULL | anjani    |
|       2 | jal       |
|       3 | jal       |
|       4 | jal       |
+---------+-----------+
6 rows in set (0.001 sec)
```

MariaDB [terminal_query]> select customer.cust_name,orders.orderId from customer cross join orders;

```
+-----------+---------+
| cust_name | orderId |
+-----------+---------+
| jal       |       1 |
| Riya      |       1 |
| anjani    |       1 |
| avni      |       1 |
| jal       |       2 |
| Riya      |       2 |
| anjani    |       2 |
| avni      |       2 |
| jal       |       3 |
| Riya      |       3 |
| anjani    |       3 |
| avni      |       3 |
| jal       |       4 |
| Riya      |       4 |
```

```
| anjani |    4 |
| avni   |    4 |
+-----------+---------+
16 rows in set (0.001 sec)

MariaDB [terminal_query]> select a.cust_name AS cust_name1, b.cust_name AS suct_name2,
a.cust_city from customer a, customer b where a.cust_id <> b.cust_id AND a.cust_city=b.cust_city
ORDER BY a.cust_city;
+------------+------------+-----------+
| cust_name1 | suct_name2 | cust_city |
+------------+------------+-----------+
| Riya       | avni       | mexico    |
| avni       | Riya       | mexico    |
+------------+------------+-----------+
2 rows in set (0.001 sec)


MariaDB [terminal_query]> select cust_name from customer UNION select cust_id from orders;
+-----------+
| cust_name |
+-----------+
| jal       |
| Riya      |
| anjani    |
| avni      |
| 1         |
| 2         |
+-----------+
6 rows in set (0.001 sec)


MariaDB [terminal_query]> select COUNT(cust_id),cust_city from customer GROUP BY
cust_city;
+----------------+-----------+
| COUNT(cust_id) | cust_city |
+----------------+-----------+
|              1 | baroda    |
|              1 | jaipur    |
|              2 | mexico    |
+----------------+-----------+
3 rows in set (0.001 sec)

MariaDB [terminal_query]> select customer.cust_name, COUNT(orders.orderId) AS
numberoforders from orders LEFT JOIN customer ON orders.cust_id=customer.cust_id GROUP
BY cust_name;
+-----------+----------------+
| cust_name | numberoforders |
+-----------+----------------+
| NULL      |              1 |
| jal       |              3 |
+-----------+----------------+
2 rows in set (0.017 sec)
```

MariaDB [terminal_query]> select COUNT(cust_id),cust_country from customer GROUP BY cust_country HAVING COUNT(cust_id)>1;

```
+----------------+--------------+
| COUNT(cust_id) | cust_country |
+----------------+--------------+
|              2 | india        |
+----------------+--------------+
```

1 row in set (0.001 sec)

MariaDB [terminal_query]> select cust_name from customer where EXISTS (select order_date from orders where orders.cust_id=orders.orderId AND salary >20000);

```
+-----------+
| cust_name |
+-----------+
| jal       |
| anjani    |
| avni      |
+-----------+
```

3 rows in set (0.001 sec)

MariaDB [terminal_query]> select cust_name from customer where cust_id = ANY (select orderId from orders);

```
+-----------+
| cust_name |
+-----------+
| jal       |
| Riya      |
| anjani    |
+-----------+
```

3 rows in set (0.017 sec)

MariaDB [terminal_query]> select cust_name from customer where cust_id=ALL (select cust_id FROM orders);
Empty set (0.001 sec)

MariaDB [terminal_query]> select cust_name from customer where cust_id=ALL (select cust_id FROM orders where orderId=2);

```
+-----------+
| cust_name |
+-----------+
| jal       |
```