

```
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
+-----+-----+-----+-----+-----+-----+-----+-----+

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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  |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

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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 NOT IN ('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 'NOT IN ('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	
+-----+-----+-----+-----+-----+-----+-----+-----+												

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)