

```
- sudo /opt/lampp/lampp start
-/opt/lampp/bin/mysql -u root -p
- create database tempinterminal;
----> MariaDB [(none)]> show databases;
```

```
+-----+
| Database          |
+-----+
| Admin_Panel       |
| Company           |
| School            |
| abc               |
| ecommerce         |
| information_schema|
| mysql             |
| performance_schema|
| phpmyadmin        |
| tempinterminal    |
| test              |
+-----+
11 rows in set (0.001 sec)
```

```
-----> MariaDB [(none)]> use tempinterminal;
Database changed
```

```
---->MariaDB [tempinterminal]> create table student(s_id INT NOT NULL AUTO_INCREMENT,
-> s_name VARCHAR(50) NOT NULL,
-> s_email VARCHAR(50) NOT NULL,
-> s_pwd VARCHAR(50) NOT NULL,
-> PRIMARY KEY(s_id));
Query OK, 0 rows affected (0.011 sec)
```

```
---->MariaDB [tempinterminal]> show tables;
+-----+
| Tables_in_tempinterminal |
+-----+
| student                  |
+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> INSERT INTO student
values(1,'shreya','shreya@gmail.com','shreya123');
Query OK, 1 row affected (0.004 sec)
```

```
---->MariaDB [tempinterminal]> INSERT INTO student
values(1,'shreya','shreya@gmail.com','shreya123');
Query OK, 1 row affected (0.004 sec)
```

```
---->MariaDB [tempinterminal]> INSERT INTO student
values(2,'avani','avani@gmail.com','avani123');
Query OK, 1 row affected (0.003 sec)
```

---->MariaDB [tempinterminal]> INSERT INTO student values(3,'riya','riya@gmail.com','riya123');
Query OK, 1 row affected (0.003 sec)

---->MariaDB [tempinterminal]> INSERT INTO student
values(4,'shriya','shriya@gmail.com','shriya123');
Query OK, 1 row affected (0.002 sec)

---->MariaDB [tempinterminal]> INSERT INTO student
values('anjani','anjani@gmail.com','anjani123');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
---->MariaDB [tempinterminal]> INSERT INTO student
values(5,'anjani','anjani@gmail.com','anjani123');
Query OK, 1 row affected (0.004 sec)

---->MariaDB [tempinterminal]> INSERT INTO student
values(6,'kajal','kajal@gmail.com','kajal123');
Query OK, 1 row affected (0.004 sec)

---->MariaDB [tempinterminal]> SELECT * FROM student;
+-----+-----+-----+-----+
| s_id | s_name | s_email | s_pwd |
+-----+-----+-----+-----+
1	shreya	shreya@gmail.com	shreya123
2	avani	avani@gmail.com	avani123
3	riya	riya@gmail.com	riya123
4	shriya	shriya@gmail.com	shriya123
5	anjani	anjani@gmail.com	anjani123
6	kajal	kajal@gmail.com	kajal123
+-----+-----+-----+-----+
6 rows in set (0.001 sec)

---->MariaDB [tempinterminal]> create table customer(c_id INT NOT NULL
AUTO_INCREMENT, c_name VARCHAR(50) NOT NULL, c_contactno INT(10) NOT NULL,
c_address VARCHAR(100) NOT NULL, c_city VARCHAR(50), c_pincode BIGINT(20), c_counry
VARCHAR(50), PRIMARY KEY(c_id));
Query OK, 0 rows affected (0.013 sec)

---->MariaDB [tempinterminal]> INSERT INTO customer values (1,'shreya', '908765432',
'ABC123', 'Ahmedabad', '382350', 'India');
Query OK, 1 row affected (0.003 sec)

---->MariaDB [tempinterminal]> INSERT INTO customer values (2,'avni', '908765431', 'XYZ123',
'mumbai', '382230', 'India');
Query OK, 1 row affected (0.004 sec)

---->MariaDB [tempinterminal]> INSERT INTO customer values (3,'riya', '1238765431',
'hgfrte123', 'pune', '323230', 'India');
Query OK, 1 row affected (0.004 sec)

---->MariaDB [tempinterminal]> INSERT INTO customer values (4,'shriya', '1238765431',
'yurteb123', 'banglore', '323230', 'India');

Query OK, 1 row affected (0.004 sec)

```
---->MariaDB [tempinterminal]> INSERT INTO customer values (5,'anjani', '1238765567',  
'yurteb133', 'jaipur', '324530', 'India');
```

Query OK, 1 row affected (0.004 sec)

```
---->MariaDB [tempinterminal]> INSERT INTO customer values (6,'kajal', '1238235567',  
'yurteb233', 'delhi', '325630', 'India');
```

Query OK, 1 row affected (0.004 sec)

```
---->MariaDB [tempinterminal]> SELECT * FROM customer;
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |  
+-----+-----+-----+-----+-----+-----+-----+  
| 1 | shreya | 908765432 | ABC123 | Ahmedabad | 382350 | India |  
| 2 | avni | 908765431 | XYZ123 | mumbai | 382230 | India |  
| 3 | riya | 1238765431 | hgfrte123 | pune | 323230 | India |  
| 4 | shriya | 1238765431 | yurteb123 | banglore | 323230 | India |  
| 5 | anjani | 1238765567 | yurteb133 | jaipur | 324530 | India |  
| 6 | kajal | 1238235567 | yurteb233 | delhi | 325630 | India |  
+-----+-----+-----+-----+-----+-----+-----+
```

6 rows in set (0.001 sec)

```
---->MariaDB [tempinterminal]> SELECT COUNT(c_counry) FROM customer;
```

```
+-----+  
| COUNT(c_counry) |  
+-----+  
| 6 |  
+-----+
```

1 row in set (0.001 sec)

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_city = 'Ahmedabad';
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |  
+-----+-----+-----+-----+-----+-----+-----+  
| 1 | shreya | 908765432 | ABC123 | Ahmedabad | 382350 | India |  
+-----+-----+-----+-----+-----+-----+-----+
```

1 row in set (0.001 sec)

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_counry = 'India' AND  
c_city = 'jaipur';
```

```
+-----+-----+-----+-----+-----+-----+-----+  
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |  
+-----+-----+-----+-----+-----+-----+-----+  
| 5 | anjani | 1238765567 | yurteb133 | jaipur | 324530 | India |  
+-----+-----+-----+-----+-----+-----+-----+
```

1 row in set (0.002 sec)

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_name = 'anjani' OR  
c_city = 'delhi';
```

```
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 5 | anjani | 1238765567 | yurteb133 | jaipur | 324530 | India |
| 6 | kajal | 1238235567 | yurteb233 | delhi | 325630 | India |
+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE NOT c_counry = 'India'
AND NOT c_counry = 'USA';
Empty set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer ORDER BY c_city;
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | shreya | 908765432 | ABC123 | Ahmedabad | 382350 | India |
| 4 | shriya | 1238765431 | yurteb123 | banglore | 323230 | India |
| 6 | kajal | 1238235567 | yurteb233 | delhi | 325630 | India |
| 5 | anjani | 1238765567 | yurteb133 | jaipur | 324530 | India |
| 2 | avni | 908765431 | XYZ123 | mumbai | 382230 | India |
| 3 | riya | 1238765431 | hgfrte123 | pune | 323230 | India |
+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer ORDER BY c_city DESC;
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 3 | riya | 1238765431 | hgfrte123 | pune | 323230 | India |
| 2 | avni | 908765431 | XYZ123 | mumbai | 382230 | India |
| 5 | anjani | 1238765567 | yurteb133 | jaipur | 324530 | India |
| 6 | kajal | 1238235567 | yurteb233 | delhi | 325630 | India |
| 4 | shriya | 1238765431 | yurteb123 | banglore | 323230 | India |
| 1 | shreya | 908765432 | ABC123 | Ahmedabad | 382350 | India |
+-----+-----+-----+-----+-----+-----+-----+
6 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> INSERT INTO customer values (7,'krisha', '1238323567',
'yurteb234', 'manali', '325612', 'USA');
```

```
---->MariaDB [tempinterminal]> UPDATE customer SET c_name = 'krishna', c_city = 'london'
WHERE c_id = 7;
Query OK, 1 row affected (0.004 sec)
Rows matched: 1 Changed: 1 Warnings: 0
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer;
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | shreya | 908765432 | ABC123 | Ahmedabad | 382350 | India |
| 2 | avni | 908765431 | XYZ123 | mumbai | 382230 | India |
```

3	riya	1238765431	hgfrte123	pune	323230	India
4	shriya	1238765431	yurteb123	banglore	323230	India
5	anjani	1238765567	yurteb133	jaipur	324530	India
6	kajal	1238235567	yurteb233	delhi	325630	India
7	krishna	1238323567	yurteb234	london	325612	USA

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_counry = 'India' LIMIT 3;
```

c_id	c_name	c_contactno	c_address	c_city	c_pincode	c_counry
1	shreya	908765432	ABC123	Ahmedabad	382350	India
2	avni	908765431	XYZ123	mumbai	382230	India
3	riya	1238765431	hgfrte123	pune	323230	India

3 rows in set (0.001 sec)

```
---->MariaDB [tempinterminal]> ALTER TABLE customer ADD bill_amt BIGINT(50) NOT NULL AFTER c_contactno;
```

Query OK, 0 rows affected (0.007 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
---->MariaDB [tempinterminal]> INSERT INTO customer(bill_amt) values ('5000');
```

ERROR 1364 (HY000): Field 'c_name' doesn't have a default value

```
MariaDB [tempinterminal]> UPDATE customer SET bill_amt = '5000' WHERE c_id = 1;
```

Query OK, 1 row affected (0.004 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
---->MariaDB [tempinterminal]> SELECT * FROM customer;
```

c_id	c_name	c_contactno	bill_amt	c_address	c_city	c_pincode	c_counry
1	shreya	908765432	5000	ABC123	Ahmedabad	382350	India
2	avni	908765431	3000	XYZ123	mumbai	382230	India
3	riya	1238765431	7000	hgfrte123	pune	323230	India
4	shriya	1238765431	10000	yurteb123	banglore	323230	India
5	anjani	1238765567	12000	yurteb133	jaipur	324530	India
6	kajal	1238235567	10000	yurteb233	delhi	325630	India
7	krishna	1238323567	14000	yurteb234	london	325612	USA

7 rows in set (0.001 sec)

```
---->MariaDB [tempinterminal]> SELECT MIN(bill_amt) AS Smallestamount FROM customer;
```

Smallestamount
3000

1 row in set (0.001 sec)

```
---->MariaDB [tempinterminal]> SELECT MAX(bill_amt) AS Highestamount FROM customer;
```

```
+-----+
| Highestamount |
+-----+
|      14000 |
+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT COUNT(c_id) FROM customer;
+-----+
| COUNT(c_id) |
+-----+
|          7 |
+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT AVG(bill_amt) FROM customer;
+-----+
| AVG(bill_amt) |
+-----+
|    8714.2857 |
+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT SUM(bill_amt) FROM customer;
+-----+
| SUM(bill_amt) |
+-----+
|        61000 |
+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_name LIKE 'a%';
+-----+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  2 | avni  | 908765431 | 3000 | XYZ123 | mumbai | 382230 | India |
|  5 | anjani | 1238765567 | 12000 | yurteb133 | jaipur | 324530 | India |
+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_name LIKE '%re%';
+-----+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+-----+
|  1 | shreya | 908765432 | 5000 | ABC123 | Ahmedabad | 382350 | India |
+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_name LIKE '_a%';
+-----+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+-----+
```

```
| 6 | kajal | 1238235567 | 10000 | yurteb233 | delhi | 325630 | India |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

```
--->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_city LIKE 'l_n_on';
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 7 | krishna | 1238323567 | 14000 | yurteb234 | london | 325612 | USA |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_city IN
('Ahmedabad','pune','delhi');
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | shreya | 908765432 | 5000 | ABC123 | Ahmedabad | 382350 | India |
| 3 | riya | 1238765431 | 7000 | hgfrte123 | pune | 323230 | India |
| 6 | kajal | 1238235567 | 10000 | yurteb233 | delhi | 325630 | India |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE c_city NOT IN
('Ahmedabad','pune','delhi');
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 2 | avni | 908765431 | 3000 | XYZ123 | mumbai | 382230 | India |
| 4 | shriya | 1238765431 | 10000 | yurteb123 | banglore | 323230 | India |
| 5 | anjani | 1238765567 | 12000 | yurteb133 | jaipur | 324530 | India |
| 7 | krishna | 1238323567 | 14000 | yurteb234 | london | 325612 | USA |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE bill_amt BETWEEN
'10000' AND '15000';
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
| 4 | shriya | 1238765431 | 10000 | yurteb123 | banglore | 323230 | India |
| 5 | anjani | 1238765567 | 12000 | yurteb133 | jaipur | 324530 | India |
| 6 | kajal | 1238235567 | 10000 | yurteb233 | delhi | 325630 | India |
| 7 | krishna | 1238323567 | 14000 | yurteb234 | london | 325612 | USA |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.001 sec)
```

```
---->MariaDB [tempinterminal]> SELECT * FROM customer WHERE bill_amt NOT BETWEEN
'10000' AND '15000';
+-----+-----+-----+-----+-----+-----+-----+
| c_id | c_name | c_contactno | bill_amt | c_address | c_city | c_pincode | c_counry |
+-----+-----+-----+-----+-----+-----+-----+
```

1	shreya	908765432	5000	ABC123	Ahmedabad	382350	India
2	avni	908765431	3000	XYZ123	mumbai	382230	India
3	riya	1238765431	7000	hgfrte123	pune	323230	India

3 rows in set (0.001 sec)