

## MySQL 8.0 Command Line Cli X + v

```
Server version: 8.0.44 MySQL Community Server - GPL
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owners.

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

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

mysql> USE train_system;
Database changed
mysql> CREATE TABLE train_tickets (
    >>     ticket_no INT PRIMARY KEY,
    >>     passenger_name VARCHAR(50),
    >>     source VARCHAR(50),
    >>     destination VARCHAR(50),
    >>     age INT,
    >>     travel_date DATE,
    >>     class VARCHAR(20),
    >>     seat_no VARCHAR(10)
    >> );
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO train_tickets VALUES
    >> (101, 'G CHAITANYA', 'Chennai', 'Bangalore', 28, '2025-11-21', 'Sleeper', 'S5-22'),
    >> (102, 'T VISHWA', 'Chennai', 'Hyderabad', 21, '2025-11-22', 'AC 3-Tier', 'B2-15'),
    >> (103, 'SARAN', 'Bangalore', 'Chennai', 22, '2025-11-23', 'General', 'G1-56'),
    >> (104, 'GANESH', 'Chennai', 'Delhi', 25, '2025-11-24', 'AC 2-Tier', 'A1-10');
Query OK, 4 rows affected (0.02 sec)
Records: 4 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM train_tickets;
+-----+-----+-----+-----+-----+-----+-----+
| ticket_no | passenger_name | source | destination | age | travel_date | class | seat_no |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | G CHAITANYA | Chennai | Bangalore | 28 | 2025-11-21 | Sleeper | S5-22 |
| 102 | T VISHWA | Chennai | Hyderabad | 21 | 2025-11-22 | AC 3-Tier | B2-15 |
| 103 | SARAN | Bangalore | Chennai | 22 | 2025-11-23 | General | G1-56 |
| 104 | GANESH | Chennai | Delhi | 25 | 2025-11-24 | AC 2-Tier | A1-10 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT passenger_name, ticket_no, destination
    > FROM train_tickets
    > WHERE source = 'Chennai';
+-----+-----+-----+
| passenger_name | ticket_no | destination |
+-----+-----+-----+
| G CHAITANYA | 101 | Bangalore |
| T VISHWA | 102 | Hyderabad |
| GANESH | 104 | Delhi |
+-----+-----+-----+
3 rows in set (0.01 sec)

mysql> SELECT * FROM train_tickets
    > WHERE travel_date = '2025-11-22';
+-----+-----+-----+-----+-----+-----+-----+
| ticket_no | passenger_name | source | destination | age | travel_date | class | seat_no |
+-----+-----+-----+-----+-----+-----+-----+
| 102 | T VISHWA | Chennai | Hyderabad | 21 | 2025-11-22 | AC 3-Tier | B2-15 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.01 sec)

mysql> SELECT passenger_name, ticket_no
    > FROM train_tickets
    > WHERE destination = 'Bangalore';
+-----+-----+
| passenger_name | ticket_no |
+-----+-----+
| G CHAITANYA | 101 |
+-----+-----+
1 row in set (0.00 sec)

mysql> UPDATE train_tickets
    > SET class = 'AC Sleeper'
    > WHERE ticket_no = 101;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

mysql> DELETE FROM train_tickets
    > WHERE ticket_no = 103;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM train_tickets;
+-----+-----+-----+-----+-----+-----+-----+
| ticket_no | passenger_name | source | destination | age | travel_date | class | seat_no |
+-----+-----+-----+-----+-----+-----+-----+
| 101 | G CHAITANYA | Chennai | Bangalore | 28 | 2025-11-21 | AC Sleeper | S5-22 |
| 102 | T VISHWA | Chennai | Hyderabad | 21 | 2025-11-22 | AC 3-Tier | B2-15 |
| 104 | GANESH | Chennai | Delhi | 25 | 2025-11-24 | AC 2-Tier | A1-10 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```

```

MySQL 8.0 Command Line Cli  X  +  ▾

Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 20
Server version: 8.0.44 MySQL Community Server - GPL

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

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

mysql> USE college_admission;
Database changed
mysql> CREATE TABLE admission_form (
    ->     app_no INT PRIMARY KEY,
    ->     student_name VARCHAR(50),
    ->     dob DATE,
    ->     gender VARCHAR(10),
    ->     dept_pref VARCHAR(30),
    ->     cutoff INT,
    ->     phone BIGINT,
    ->     email VARCHAR(50)
    -> );
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO admission_form VALUES
    -> (1001, 'G CHAITANYA', '2005-03-20', 'Male', 'AI&DS', 92, 9876543210, 'chaitanya@gmail.com'),
    -> (1002, 'T VISHWA', '2005-02-11', 'Male', 'CSE', 88, 9876501234, 'vishwa@gmail.com'),
    -> (1003, 'SARAN', '2005-05-18', 'Male', 'ECE', 85, 9876512345, 'saran@gmail.com'),
    -> (1004, 'PRIYA', '2005-07-09', 'Female', 'IT', 94, 9876598765, 'priya@gmail.com');
Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql> SELECT * FROM admission_form;
+-----+-----+-----+-----+-----+-----+-----+-----+
| app_no | student_name | dob       | gender   | dept_pref | cutoff | phone   | email      |
+-----+-----+-----+-----+-----+-----+-----+-----+
| 1001 | G CHAITANYA | 2005-03-20 | Male     | AI&DS   | 92     | 9876543210 | chaitanya@gmail.com |
| 1002 | T VISHWA    | 2005-02-11 | Male     | CSE     | 88     | 9876501234 | vishwa@gmail.com  |
| 1003 | SARAN       | 2005-05-18 | Male     | ECE     | 85     | 9876512345 | saran@gmail.com   |
| 1004 | PRIYA       | 2005-07-09 | Female   | IT      | 94     | 9876598765 | priya@gmail.com  |
+-----+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

```

## MySQL 8.0 Command Line Cli X + ▾

```
mysql> SELECT student_name, dept_pref, cutoff
   -> FROM admission_form
   -> WHERE cutoff > 90;
```

student_name	dept_pref	cutoff
G CHAITANYA	AI&DS	92
PRIYA	IT	94

2 rows in set (0.00 sec)

```
mysql> SELECT student_name, cutoff
   -> FROM admission_form
   -> WHERE dept_pref = 'CSE';
```

student_name	cutoff
T VISHWA	88

1 row in set (0.00 sec)

```
mysql> SELECT student_name, cutoff, dept_pref
   -> FROM admission_form
   -> ORDER BY cutoff DESC;
```

student_name	cutoff	dept_pref
PRIYA	94	IT
G CHAITANYA	92	AI&DS
T VISHWA	88	CSE
SARAN	85	ECE

4 rows in set (0.01 sec)

```
mysql> UPDATE admission_form
   -> SET dept_pref = 'CSE'
   -> WHERE app_no = 1003;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0
```

```
mysql> UPDATE admission_form
   -> SET dept_pref = 'CSE'
   -> WHERE app_no = 1003;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 1  Changed: 0  Warnings: 0
```

```
mysql> DELETE FROM admission_form
   -> WHERE app_no = 1002;
Query OK, 1 row affected (0.01 sec)
```

```
mysql> SELECT * FROM admission_form;
+-----+-----+-----+-----+-----+-----+-----+
| app_no | student_name | dob      | gender | dept_pref | cutoff | phone      | email
+-----+-----+-----+-----+-----+-----+-----+
| 1001  | G CHAITANYA | 2005-03-20 | Male   | AI&DS    | 92     | 9876543210 | chaitanya@gmail.com |
| 1003  | SARAN        | 2005-05-18 | Male   | CSE       | 85     | 9876512345 | saran@gmail.com  |
| 1004  | PRIYA        | 2005-07-09 | Female | IT        | 94     | 9876598765 | priya@gmail.com  |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```