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MySQL 8.0 Command Line Cli X + v

Enter password: *****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 21
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 bus_ticket_system;
Query OK, 1 row affected (0.01 sec)

mysql> USE bus_ticket_system;
Database changed
mysql> CREATE TABLE bus_tickets (
    ->     ticket_id INT PRIMARY KEY,
    ->     passenger_name VARCHAR(50),
    ->     from_location VARCHAR(50),
    ->     to_location VARCHAR(50),
    ->     travel_date DATE,
    ->     qr_code VARCHAR(200), -- contains encoded ticket info
    ->     fare INT
    -> );
Query OK, 0 rows affected (0.07 sec)

mysql> INSERT INTO bus_tickets VALUES
    -> (501, 'G CHAITANYA', 'Chennai', 'Bangalore', '2025-12-01', 'QR-CHN-BLR-501', 550),
    -> (502, 'T VISHWA', 'Chennai', 'Hyderabad', '2025-12-02', 'QR-CHN-HYD-502', 600),
    -> (503, 'SARAN', 'Bangalore', 'Chennai', '2025-12-03', 'QR-BLR-CHN-503', 530),
    -> (504, 'GANESH', 'Chennai', 'Coimbatore', '2025-12-04', 'QR-CHN-CBE-504', 450);
Query OK, 4 rows affected (0.02 sec)
Records: 4  Duplicates: 0  Warnings: 0
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mysql> SELECT * FROM bus_tickets;
+-----+-----+-----+-----+-----+-----+-----+
| ticket_id | passenger_name | from_location | to_location | travel_date | qr_code | fare |
+-----+-----+-----+-----+-----+-----+-----+
| 501 | G CHAITANYA | Chennai | Bangalore | 2025-12-01 | QR-CHN-BLR-501 | 550 |
| 502 | T VISHWA | Chennai | Hyderabad | 2025-12-02 | QR-CHN-HYD-502 | 600 |
| 503 | SARAN | Bangalore | Chennai | 2025-12-03 | QR-BLR-CHN-503 | 530 |
| 504 | GANESH | Chennai | Coimbatore | 2025-12-04 | QR-CHN-CBE-504 | 450 |
+-----+-----+-----+-----+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> SELECT passenger_name, ticket_id, to_location
    -> FROM bus_tickets
    -> WHERE from_location = 'Chennai';
+-----+-----+-----+
| passenger_name | ticket_id | to_location |
+-----+-----+-----+
| G CHAITANYA | 501 | Bangalore |
| T VISHWA | 502 | Hyderabad |
| GANESH | 504 | Coimbatore |
+-----+-----+-----+
3 rows in set (0.00 sec)

mysql> SELECT * FROM bus_tickets
    -> WHERE fare < 500;
+-----+-----+-----+-----+-----+-----+
| ticket_id | passenger_name | from_location | to_location | travel_date | qr_code | fare |
+-----+-----+-----+-----+-----+-----+-----+
| 504 | GANESH | Chennai | Coimbatore | 2025-12-04 | QR-CHN-CBE-504 | 450 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql> SELECT * FROM bus_tickets
    -> WHERE qr_code = 'QR-CHN-BLR-501';
+-----+-----+-----+-----+-----+-----+
| ticket_id | passenger_name | from_location | to_location | travel_date | qr_code | fare |
+-----+-----+-----+-----+-----+-----+-----+
| 501 | G CHAITANYA | Chennai | Bangalore | 2025-12-01 | QR-CHN-BLR-501 | 550 |
+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
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```
mysql> UPDATE bus_tickets
-> SET fare = 575
-> WHERE ticket_id = 501;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1  Changed: 1  Warnings: 0

mysql> DELETE FROM bus_tickets
-> WHERE ticket_id = 504;
Query OK, 1 row affected (0.01 sec)

mysql> SELECT * FROM bus_tickets;
+-----+-----+-----+-----+-----+-----+-----+
| ticket_id | passenger_name | from_location | to_location | travel_date | qr_code | fare |
+-----+-----+-----+-----+-----+-----+-----+
| 501 | G CHAITANYA | Chennai | Bangalore | 2025-12-01 | QR-CHN-BLR-501 | 575 |
| 502 | T VISHWA | Chennai | Hyderabad | 2025-12-02 | QR-CHN-HYD-502 | 600 |
| 503 | SARAN | Bangalore | Chennai | 2025-12-03 | QR-BLR-CHN-503 | 530 |
+-----+-----+-----+-----+-----+-----+-----+
3 rows in set (0.00 sec)
```